1-1 Homework

Name Date

Use this chart to practice your 5s count-bys and multiplications. Then have your Homework Helper test you.

	In Order	Mixed Up
5s	$1 \times 5 = 5$	$9 \times 5 = 45$
	$2 \times 5 = 10$	$5 \times 5 = 25$
	$3 \times 5 = 15$	$2 \times 5 = 10$
	$4 \times 5 = 20$	$7 \times 5 = 35$
	$5 \times 5 = 25$	$4 \times 5 = 20$
	$6 \times 5 = 30$	$6 \times 5 = 30$
	$7 \times 5 = 35$	$10 \times 5 = 50$
	$8 \times 5 = 40$	$8 \times 5 = 40$
	$9 \times 5 = 45$	$1 \times 5 = 5$
	$10 \times 5 = 50$	$3 \times 5 = 15$

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1-1

Homework

Name _____ Date _____

Solve each equation. Then check your answers at the bottom of this page.

1. $8 \times 5 =$ ☐

2. $9 \bullet 5 =$ ☐

3. $5 * 2 =$ ☐

4. $6 \times 5 =$ ☐

5. $3 \bullet 5 =$ ☐

6. $5 \times 4 =$ ☐

7. $10 \times 5 =$ ☐

8. $5 * 1 =$ ☐

9. $6 \times 5 =$ ☐

10. $5 * 5 =$ ☐

11. $5 \bullet 7 =$ ☐

12. $2 * 5 =$ ☐

13. $5 * 1 =$ ☐

14. $5 \times 10 =$ ☐

15. $4 \bullet 5 =$ ☐

16. $7 \bullet 5 =$ ☐

17. $5 \times 2 =$ ☐

18. $5 * 7 =$ ☐

19. $5 \times 5 =$ ☐

20. $5 * 8 =$ ☐

21. $9 \bullet 5 =$ ☐

1. 40 **2.** 45 **3.** 10 **4.** 30 **5.** 15 **6.** 20 **7.** 50 **8.** 5 **9.** 30 **10.** 25
11. 35 **12.** 10 **13.** 5 **14.** 50 **15.** 20 **16.** 35 **17.** 10 **18.** 35 **19.** 25
20. 40 **21.** 45

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1-1 Homework

Name _____ Date _____

Study Plan

_____

Homework Helper

Write each total.

1. $2 \times (5) = 5 + 5 =$ _____

2. $4 \bullet (5) = 5 + 5 + 5 + 5 =$ _____

3. $6 * (5) = 5 + 5 + 5 + 5 + 5 + 5 =$ _____

Write the 5s additions that show each multiplication. Then write the total.

4. $3 \times (5) =$ _____ = _____

5. $5 * (5) =$ _____ = _____

6. $1 \bullet (5) =$ _____ = _____

7. $8 \bullet (5) =$ _____ = _____

8. $7 \times (5) =$ _____ = _____

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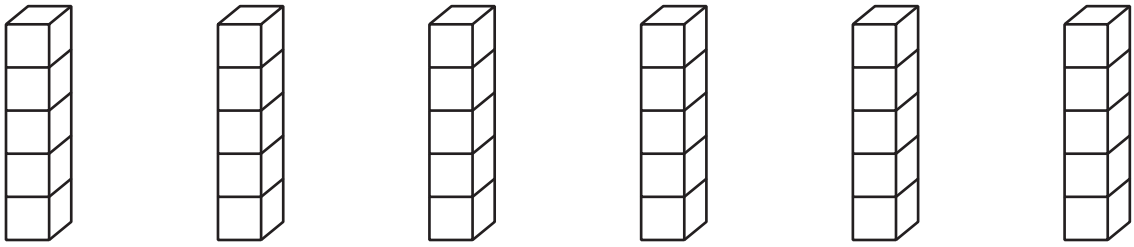
1-1

Name _____ Date _____

Remembering

Count by 5s to find the total number.



1. 5 _____ _____ _____ _____ _____

2. 65 _____ _____ _____ _____ _____

3. 30 _____ _____ _____ _____ _____

4. 45 _____ _____ _____ _____ _____

5. 75 _____ _____ _____ _____ _____

6. Stretch Your Thinking Liam starts at a number and counts by 5s. He counts by 5s six times and is now at the number 75. What number did Liam start counting from? Explain how you know.

_____

_____

_____

_____

_____

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1-2

Homework

Name _____ Date _____

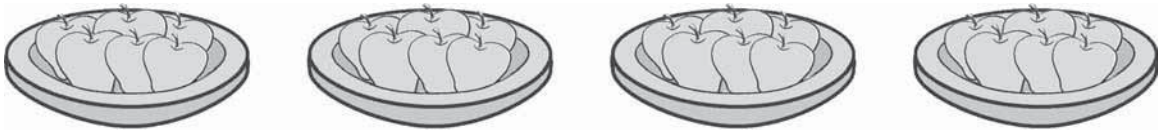
Study Plan

_____

Homework Helper

Write a multiplication equation to find the total number.

1. How many apples?



_____

2. How many lenses?

_____

Make a math drawing and label it with a multiplication equation. Then write the answer to the problem.

3. Beth put the dinner rolls she baked in 5 bags, with 6 rolls per bag. How many rolls did Beth bake?

_____

4. Baya arranged her pennies into 7 piles of 5. How many pennies did she have?

_____

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1-2 Name _____ Date _____

Remembering

Write each total.

1. $3 \times \textcircled{5} = 5 + 5 + 5 =$ _____

2. $5 \bullet \textcircled{5} = 5 + 5 + 5 + 5 + 5 =$ _____

Write the 5s additions that show each multiplication. Then write the total.

3. $4 * \textcircled{5} =$ _____ = _____

4. $6 \times \textcircled{5} =$ _____ = _____

Write each product.

5. $7 \times 5 =$ _____

6. $9 * 5 =$ _____

7. $8 \bullet 5 =$ _____

8. $10 * 5 =$ _____

9. $1 \bullet 5 =$ _____

10. $5 \times 2 =$ _____

11. $5 \bullet 3 =$ _____

12. $5 * 4 =$ _____

13. $5 \times 5 =$ _____

14. Stretch Your Thinking Draw a picture to show 3×5. Explain your drawing, and find the product.

_____

_____

_____

_____

_____

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1-3 Homework

Name

Date

Home Study Sheet A

5s		
Count-bys	**Mixed Up ×**	**Mixed Up ÷**
1 × 5 = 5	2 × 5 = 10	10 ÷ 5 = 2
2 × 5 = 10	9 × 5 = 45	35 ÷ 5 = 7
3 × 5 = 15	1 × 5 = 5	50 ÷ 5 = 10
4 × 5 = 20	5 × 5 = 25	5 ÷ 5 = 1
5 × 5 = 25	7 × 5 = 35	20 ÷ 5 = 4
6 × 5 = 30	3 × 5 = 15	15 ÷ 5 = 3
7 × 5 = 35	10 × 5 = 50	30 ÷ 5 = 6
8 × 5 = 40	6 × 5 = 30	40 ÷ 5 = 8
9 × 5 = 45	4 × 5 = 20	25 ÷ 5 = 5
10 × 5 = 50	8 × 5 = 40	45 ÷ 5 = 9

2s		
Count-bys	**Mixed Up ×**	**Mixed Up ÷**
1 × 2 = 2	7 × 2 = 14	20 ÷ 2 = 10
2 × 2 = 4	1 × 2 = 2	2 ÷ 2 = 1
3 × 2 = 6	3 × 2 = 6	6 ÷ 2 = 3
4 × 2 = 8	5 × 2 = 10	16 ÷ 2 = 8
5 × 2 = 10	6 × 2 = 12	12 ÷ 2 = 6
6 × 2 = 12	8 × 2 = 16	4 ÷ 2 = 2
7 × 2 = 14	2 × 2 = 4	10 ÷ 2 = 5
8 × 2 = 16	10 × 2 = 20	8 ÷ 2 = 4
9 × 2 = 18	4 × 2 = 8	14 ÷ 2 = 7
10 × 2 = 20	9 × 2 = 18	18 ÷ 2 = 9

10s		
Count-bys	**Mixed Up ×**	**Mixed Up ÷**
1 × 10 = 10	1 × 10 = 10	80 ÷ 10 = 8
2 × 10 = 20	5 × 10 = 50	10 ÷ 10 = 1
3 × 10 = 30	2 × 10 = 20	50 ÷ 10 = 5
4 × 10 = 40	8 × 10 = 80	90 ÷ 10 = 9
5 × 10 = 50	7 × 10 = 70	40 ÷ 10 = 4
6 × 10 = 60	3 × 10 = 30	100 ÷ 10 = 10
7 × 10 = 70	4 × 10 = 40	30 ÷ 10 = 3
8 × 10 = 80	6 × 10 = 60	20 ÷ 10 = 2
9 × 10 = 90	10 × 10 = 100	70 ÷ 10 = 7
10 × 10 = 100	9 × 10 = 90	60 ÷ 10 = 6

9s		
Count-bys	**Mixed Up ×**	**Mixed Up ÷**
1 × 9 = 9	2 × 9 = 18	81 ÷ 9 = 9
2 × 9 = 18	4 × 9 = 36	18 ÷ 9 = 2
3 × 9 = 27	7 × 9 = 63	36 ÷ 9 = 4
4 × 9 = 36	8 × 9 = 72	9 ÷ 9 = 1
5 × 9 = 45	3 × 9 = 27	54 ÷ 9 = 6
6 × 9 = 54	10 × 9 = 90	27 ÷ 9 = 3
7 × 9 = 63	1 × 9 = 9	63 ÷ 9 = 7
8 × 9 = 72	6 × 9 = 54	72 ÷ 9 = 8
9 × 9 = 81	5 × 9 = 45	90 ÷ 9 = 10
10 × 9 = 90	9 × 9 = 81	45 ÷ 9 = 5

1-3 Homework

Name _____ Date _____

Home Signature Sheet

	Count-Bys Homework Helper	Multiplications Homework Helper	Divisions Homework Helper
0			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

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1-3

Homework

Name _____ Date _____

Study Plan

_____

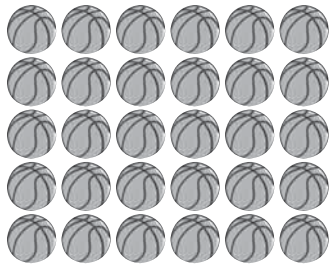
Homework Helper

Write a multiplication equation for each array.

1. How many muffins?

_____

2. How many basketballs?



_____

Make a math drawing for each problem and label it with a multiplication equation. Then write the answer to the problem.

3. Ellie arranged her trophies in 3 rows, with 6 trophies in each row. How many trophies does she have?

_____

4. Maribel planted a garden with 9 tomato plants in each of 2 rows. How many tomato plants did she plant?

_____

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1-3

Name _____ Date _____

Remembering

Write each product.

1. $1 * 5 =$ ☐ **2.** $8 \bullet 5 =$ ☐ **3.** $5 \times 2 =$ ☐

4. $9 \times 5 =$ ☐ **5.** $10 * 5 =$ ☐ **6.** $4 \bullet 5 =$ ☐

Write a multiplication equation to find the total number.

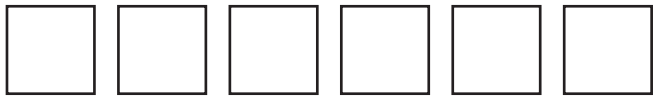
7. How many cubes?

_____

8. How many sides?

_____

9. How many sides?



_____

10. Stretch Your Thinking Miles has 24 baseball cards. He wants to display the cards in even rows and columns. Draw two different arrays to show how Miles could display his cards. Label your drawings with a multiplication equation.

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1-4

Homework

Name _____ Date _____

Use this chart to practice your 5s count-bys, multiplications, and divisions. Then have your Homework Helper test you.

	In Order ×	Mixed Up ×	Mixed Up ÷
5s	1 × 5 = 5	4 × 5 = 20	20 ÷ 5 = 4
	2 × 5 = 10	7 × 5 = 35	5 ÷ 5 = 1
	3 × 5 = 15	2 × 5 = 10	50 ÷ 5 = 10
	4 × 5 = 20	5 × 5 = 25	35 ÷ 5 = 7
	5 × 5 = 25	9 × 5 = 45	15 ÷ 5 = 3
	6 × 5 = 30	1 × 5 = 5	45 ÷ 5 = 9
	7 × 5 = 35	10 × 5 = 50	10 ÷ 5 = 2
	8 × 5 = 40	3 × 5 = 15	25 ÷ 5 = 5
	9 × 5 = 45	6 × 5 = 30	40 ÷ 5 = 8
	10 × 5 = 50	8 × 5 = 40	30 ÷ 5 = 6

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1-4

Homework

Name _____ Date _____

Multiply or divide to find the unknown numbers.
Then check your answers at the bottom of this page.

1. $5 \times 6 = \square$

2. $45 \div 5 = \square$

3. $5 \times \square = 35$

4. $\square \times 5 = 10$

5. $3 \times 5 = \square$

6. $50 / 5 = \square$

7. $5 \bullet 9 = \square$

8. $\square \bullet 5 = 20$

9. $5\overline{)25}$ (quotient: $\square$)

10. $5 * \square = 40$

11. $5 \bullet 5 = \square$

12. $\frac{35}{5} = \square$

13. $5 \bullet \square = 15$

14. $30 \div 5 = \square$

15. $5 \times \square = 45$

16. $\square \div 5 = 7$

17. $\frac{10}{5} = \square$

18. $5 \bullet 8 = \square$

19. $5\overline{)20}$ (quotient: $\square$)

20. $5 \times \square = 5$

21. $5 \times \square = 50$

1. 30 **2.** 9 **3.** 7 **4.** 2 **5.** 15 **6.** 10 **7.** 45 **8.** 4 **9.** 5 **10.** 8 **11.** 25
12. 7 **13.** 3 **14.** 6 **15.** 9 **16.** 35 **17.** 2 **18.** 40 **19.** 4 **20.** 1 **21.** 10

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1-4

Homework

Name _____ Date _____

Study Plan

_____

Homework Helper

Write a multiplication equation and a division equation for each problem. Then solve the problem.

Show your work.

1. Mandy's Diner has a total of 20 chairs. The chairs are divided equally among 5 tables. How many chairs are at each table?

_____

2. Tarek divided 30 nickels into 5 piles. He put the same number of nickels in each pile. How many nickels were in each pile?

_____

3. A group of singers has 45 members. The singers are arranged in groups of 5 on the stage. How many groups are there?

_____

4. Brianna arranged 40 marbles into an array with 5 marbles in each row. How many rows of marbles were in her array?

_____

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1-4

Name _____ Date _____

Remembering

Make a math drawing for the problem and label it with a multiplication equation. Then write the answer to the problem.

1. Ann has 5 boxes with 7 crayons in each box. How many crayons does Ann have?

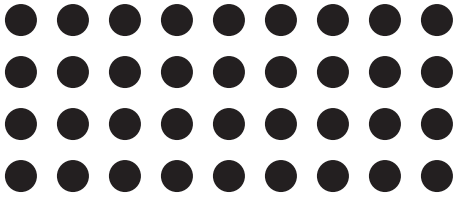
_____

2. Mr. Garcia displays the school trophies in 3 rows of 5. How many trophies does Mr. Garcia display?

_____

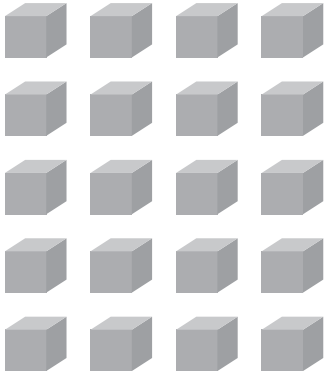
Write a multiplication equation for each array.

3. How many dots?



_____

4. How many cubes?



_____

5. Stretch Your Thinking Write a real world division problem using 5 as the divisor. Then solve your problem.

_____

_____

_____

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Name _____ Date _____

Use this chart to practice your 2s count-bys, multiplications, and divisions. Then have your Homework Helper test you.

	× In Order	× Mixed Up	÷ Mixed Up
2s	1 × 2 = 2	4 × 2 = 8	18 ÷ 2 = 9
	2 × 2 = 4	7 × 2 = 14	6 ÷ 2 = 3
	3 × 2 = 6	2 × 2 = 4	2 ÷ 2 = 1
	4 × 2 = 8	5 × 2 = 10	16 ÷ 2 = 8
	5 × 2 = 10	9 × 2 = 18	14 ÷ 2 = 7
	6 × 2 = 12	1 × 2 = 2	4 ÷ 2 = 2
	7 × 2 = 14	10 × 2 = 20	20 ÷ 2 = 10
	8 × 2 = 16	3 × 2 = 6	8 ÷ 2 = 4
	9 × 2 = 18	6 × 2 = 12	12 ÷ 2 = 6
	10 × 2 = 20	8 × 2 = 16	10 ÷ 2 = 5

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1-5

Homework

Name _____ Date _____

Multiply or divide to find the unknown numbers. Then check your answers at the bottom of this page.

1. $2 \times 4 = \square$

2. $20 \div 5 = \square$

3. $6 * 2 = \square$

4. $45 / 5 = \square$

5. $2 \bullet 10 = \square$

6. $\frac{20}{2} = \square$

7. $5 \times 10 = \square$

8. $16 \div 2 = \square$

9. $6 \times 5 = \square$

10. $30 / 5 = \square$

11. $5 \bullet 7 = \square$

12. $2\overline{)\square\,18}$

13. $8 * 2 = \square$

14. $\frac{25}{5} = \square$

15. $5 \bullet 4 = \square$

16. $16 / 2 = \square$

17. $2\overline{)\square\,10}$

18. $2 * 7 = \square$

19. $5 \times 5 = \square$

20. $14 \div 2 = \square$

21. $\frac{\square}{5} = 7$

1. 8 **2.** 4 **3.** 12 **4.** 9 **5.** 20 **6.** 10 **7.** 50 **8.** 8 **9.** 30 **10.** 6 **11.** 35
12. 9 **13.** 16 **14.** 5 **15.** 20 **16.** 8 **17.** 5 **18.** 14 **19.** 25 **20.** 7 **21.** 35

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Name _____ Date _____

Home Check Sheet 1: 5s and 2s

5s Multiplication	5s Divisions	2s Multiplications	2s Divisions
2 × 5 = 10	30 / 5 = 6	4 × 2 = 8	8 / 2 = 4
5 • 6 = 30	5 ÷ 5 = 1	2 • 8 = 16	18 ÷ 2 = 9
5 * 9 = 45	15 / 5 = 3	1 * 2 = 2	2 / 2 = 1
4 × 5 = 20	50 ÷ 5 = 10	6 × 2 = 12	16 ÷ 2 = 8
5 • 7 = 35	20 / 5 = 4	2 • 9 = 18	4 / 2 = 2
10 * 5 = 50	10 ÷ 5 = 2	2 * 2 = 4	20 ÷ 2 = 10
1 × 5 = 5	35 / 5 = 7	3 × 2 = 6	10 / 2 = 5
5 • 3 = 15	40 ÷ 5 = 8	2 • 5 = 10	12 ÷ 2 = 6
8 * 5 = 40	25 / 5 = 5	10 * 2 = 20	6 / 2 = 3
5 × 5 = 25	45 / 5 = 9	2 × 7 = 14	14 / 2 = 7
5 • 8 = 40	20 ÷ 5 = 4	2 • 10 = 20	4 ÷ 2 = 2
7 * 5 = 35	15 / 5 = 3	9 * 2 = 18	2 / 2 = 1
5 × 4 = 20	30 ÷ 5 = 6	2 × 6 = 12	8 ÷ 2 = 4
6 • 5 = 30	25 / 5 = 5	8 • 2 = 16	6 / 2 = 3
5 * 1 = 5	10 ÷ 5 = 2	2 * 3 = 6	20 ÷ 2 = 10
5 × 10 = 50	45 / 5 = 9	2 × 2 = 4	14 / 2 = 7
9 • 5 = 45	35 ÷ 5 = 7	1 • 2 = 2	10 ÷ 2 = 5
5 * 2 = 10	50 ÷ 5 = 10	2 * 4 = 8	16 ÷ 2 = 8
3 × 5 = 15	40 / 5 = 8	5 × 2 = 10	12 / 2 = 6
5 • 5 = 25	5 ÷ 5 = 1	7 • 2 = 14	18 ÷ 2 = 9

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1-5

Homework

Name _____ Date _____

Study Plan

_____

Homework Helper

Write an equation and solve the problem.

1. Tanya had 14 cups to fill with juice. She put them in 2 equal rows. How many cups were in each row?

_____

2. Rebecca has 3 pairs of running shoes. She bought new shoelaces for each pair. How many shoelaces did she buy?

_____

3. Jason served his family dinner. He put 5 carrots on each of the 4 plates. How many carrots did Jason serve in all?

_____

4. Olivia filled 8 vases with flowers. She put 5 flowers in each vase. How many flowers did she put in the vases?

_____

5. Devon has 30 model airplanes. He put the same number on each of the 5 shelves of his bookcase. How many model airplanes did Devon put on each shelf?

_____

6. There are 12 eggs in a carton. They are arranged in 2 rows with the same number of eggs in each row. How many eggs are in each row?

_____

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Name _____ Date _____

Remembering

Make a math drawing for the problem and label it with a multiplication equation. Then write the answer to the problem.

1. Kishore has 4 stacks with 3 books in each stack. How many books are there in all?

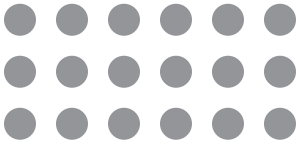
_____

2. Cindy had 6 envelopes. She put 2 stamps on each one. How many stamps did she use?

_____

Write a multiplication equation for the array.

3. How many dots?



_____

Multiply or divide to find the unknown numbers.

4. $7 * 5 = \square$

5. $45 \div 5 = \square$

6. $\square \times 5 = 50$

7. $8 * 5 = \square$

8. $5 \bullet \square = 25$

9. $\frac{10}{5} = \square$

10. Stretch Your Thinking Explain how to solve the following problem using division and multiplication. There are 18 students in the classroom. There are 2 students in each group. How many groups of students are there?

_____

_____

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1-6

Homework

Name _____ Date _____

Study Plan

_____

Homework Helper

Write an equation and solve the problem.

1. On a wall, photos are arranged in 2 rows with 7 photos in each row. How many photos are on the wall?

_____

2. An orchard has 6 rows of apple trees. Each row has 5 trees. How many apple trees are in the orchard?

_____

3. Navin arranged his soccer trophies into 5 equal rows. He has 25 trophies. How many are in each row?

_____

4. Tickets to the school play cost $2 each. Mrs. Cortez spent $16 on tickets. How many tickets did she buy?

_____

5. Jimet solved 20 multiplications. There were 5 multiplications in each row. How many rows of multiplications did she solve?

_____

6. Josh has 2 peaches for each of his 6 friends. How many peaches does he have?

_____

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1-6

Name _____ Date _____

Remembering

Write a multiplication equation for each array.

1. How many dots?

_____

2. How many dots?

_____

Multiply or divide to find the unknown numbers.

3. $2 \times 7 = \square$

4. $5 \bullet \square = 30$

5. $5\overline{)\square 5}$

6. $25 \div 5 = \square$

7. $4 * 5 = \square$

8. $\frac{35}{5} = \square$

Write an equation and solve the problem.

9. There are 10 sunglasses on the display. Each has 2 lenses. How many lenses are there?

_____

_____

10. Bryce draws 40 stars on his poster. He draws 5 rows and puts the same number in each row. How many stars are in each row?

_____

_____

11. Stretch Your Thinking Sarah has 10 stuffed animals. Explain two different ways she can group the stuffed animals so each group has the same number and no stuffed animals are left over.

_____

_____

_____

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1-7

Homework

Name Date

Use this chart to practice your 10s count-bys, multiplications, and divisions. Then have your Homework Helper test you.

	× In Order	× Mixed Up	÷ Mixed Up
10s	1 × 10 = 10	4 × 10 = 40	100 ÷ 10 = 10
	2 × 10 = 20	7 × 10 = 70	20 ÷ 10 = 2
	3 × 10 = 30	2 × 10 = 20	40 ÷ 10 = 4
	4 × 10 = 40	5 × 10 = 50	70 ÷ 10 = 7
	5 × 10 = 50	9 × 10 = 90	30 ÷ 10 = 3
	6 × 10 = 60	1 × 10 = 10	60 ÷ 10 = 6
	7 × 10 = 70	10 × 10 = 100	80 ÷ 10 = 8
	8 × 10 = 80	3 × 10 = 30	10 ÷ 10 = 1
	9 × 10 = 90	6 × 10 = 60	50 ÷ 10 = 5
	10 × 10 = 100	8 × 10 = 80	90 ÷ 10 = 9

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1-7

Homework

Name _____ Date _____

Multiply or divide to find the unknown numbers. Then check your answers at the bottom of this page.

1. $2 \times 10 = \square$

2. $15 \div 5 = \square$

3. $4 * 2 = \square$

4. $80 / 10 = \square$

5. $5 \bullet \square = 40$

6. $\frac{60}{10} = \square$

7. $\square \times 5 = 30$

8. $\frac{20}{2} = \square$

9. $6 \times 10 = \square$

10. $25 / 5 = \square$

11. $10 \bullet 7 = \square$

12. $14 \div 2 = \square$

13. $9 * 2 = \square$

14. $\frac{45}{5} = \square$

15. $10 \bullet 4 = \square$

16. $2\overline{)20}$ (quotient: $\square$)

17. $70 \div 10 = \square$

18. $9 * \square = 18$

19. $\square \times 5 = 35$

20. $\frac{\square}{3} = 10$

21. $\square \bullet 2 = 16$

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1. 20 **2.** 3 **3.** 8 **4.** 8 **5.** 8 **6.** 6 **7.** 6 **8.** 10 **9.** 60 **10.** 5 **11.** 70
12. 7 **13.** 18 **14.** 9 **15.** 40 **16.** 10 **17.** 7 **18.** 2 **19.** 7 **20.** 30 **21.** 8

1-7

Homework

Name _____ Date _____

Study Plan

_____

Homework Helper

Write an equation and solve the problem.

1. Wendy has 100 cents. She wants to buy some marbles that cost 10 cents each. How many marbles can she buy?

_____

2. Natalie turned off 2 lights in each of the 6 rooms of her house. How many lights did she turn off?

_____

3. Luis has 18 single socks. How many pairs of socks does he have?

_____

4. Lana has 9 nickels. She wants to buy an apple that costs 40 cents. Does she have enough money?

_____

5. Annabelle had 20 crayons. She gave 5 of them to each of her sisters. How many sisters does Annabelle have?

_____

6. Harvey wrote letters to 10 of his friends. Each letter was 3 pages long. How many pages did Harvey write?

_____

Complete the table.

7.

Number of Nickels	1	3	5	8		
Total Amount		15¢			45¢	50¢

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1-7

Name _____ Date _____

Remembering

Write a multiplication equation and a division equation for each problem. Then solve the problem. *Show your work.*

1. Tara folds 25 sweaters. She puts the same number of sweaters in each pile. There are 5 piles. How many sweaters are in each pile?

_____

2. Mr. McBride orders 30 new pencils. There are 5 pencils in each box. How many boxes of pencils does Mr. McBride order?

_____

Multiply or divide to find the unknown numbers.

3. $5 \bullet \square = 45$

4. $2\overline{)12}$ (quotient: $\square$)

5. $14 \div 2 = \square$

6. $\square * 5 = 20$

7. $2 \times \square = 8$

8. $\frac{16}{2} = \square$

Write an equation and solve the problem.

9. The books were put in 5 equal rows on display. There were 45 books. How many are in each row?

_____

10. The class lined up in 2 rows with 8 students in each row. How many students are in the class?

_____

11. Stretch Your Thinking Explain how you know if a number can be divided by 10 evenly.

_____

_____

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1-8

Homework

Name Date

Use this chart to practice your 9s count-bys, multiplications, and divisions. Then have your Homework Helper test you.

	× In Order	× Mixed Up	÷ Mixed Up
9s	1 × 9 = 9	4 × 9 = 36	63 ÷ 9 = 7
	2 × 9 = 18	7 × 9 = 63	9 ÷ 9 = 1
	3 × 9 = 27	2 × 9 = 18	54 ÷ 9 = 6
	4 × 9 = 36	5 × 9 = 45	18 ÷ 9 = 2
	5 × 9 = 45	9 × 9 = 81	90 ÷ 9 = 10
	6 × 9 = 54	1 × 9 = 9	81 ÷ 9 = 9
	7 × 9 = 63	10 × 9 = 90	45 ÷ 9 = 5
	8 × 9 = 72	3 × 9 = 27	27 ÷ 9 = 3
	9 × 9 = 81	6 × 9 = 54	36 ÷ 9 = 4
	10 × 9 = 90	8 × 9 = 72	72 ÷ 9 = 8

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1-8

Homework

Name _____ Date _____

Multiply or divide to find the unknown numbers. Then check your answers at the bottom of this page.

1. $2 \times 9 = \square$

2. $18 \div 2 = \square$

3. $6 * \square = 12$

4. $40 / 5 = \square$

5. $10 \bullet 8 = \square$

6. $\frac{27}{9} = \square$

7. $\square \times 5 = 40$

8. $2\overline{)14}$ (quotient: $\square$)

9. $9 \times 10 = \square$

10. $\frac{60}{10} = \square$

11. $10 \bullet 7 = \square$

12. $72 \div 9 = \square$

13. $5 * 9 = \square$

14. $\frac{20}{2} = \square$

15. $9 \bullet \square = 36$

16. $10 / 2 = \square$

17. $63 \div 9 = \square$

18. $9 * 9 = \square$

19. $5 \times 5 = \square$

20. $5\overline{)30}$ (quotient: $\square$)

21. $9 \times 3 = \square$

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1. 18 **2.** 9 **3.** 2 **4.** 8 **5.** 80 **6.** 3 **7.** 8 **8.** 7 **9.** 90 **10.** 6 **11.** 70
12. 8 **13.** 45 **14.** 10 **15.** 4 **16.** 5 **17.** 7 **18.** 81 **19.** 25 **20.** 6 **21.** 27

Name _____ Date _____

Home Check Sheet 2: 10s and 9s

10s Multiplications	10s Divisions	9s Multiplications	9s Divisions
9 × 10 = 90	100 / 10 = 10	3 × 9 = 27	27 / 9 = 3
10 • 3 = 30	50 ÷ 10 = 5	9 • 7 = 63	9 ÷ 9 = 1
10 * 6 = 60	70 / 10 = 7	10 * 9 = 90	81 / 9 = 9
1 × 10 = 10	40 ÷ 10 = 4	5 × 9 = 45	45 ÷ 9 = 5
10 • 4 = 40	80 / 10 = 8	9 • 8 = 72	90 / 9 = 10
10 * 7 = 70	60 ÷ 10 = 6	9 * 1 = 9	36 ÷ 9 = 4
8 × 10 = 80	10 / 10 = 1	2 × 9 = 18	18 / 9 = 2
10 • 10 = 100	20 ÷ 10 = 2	9 • 9 = 81	63 ÷ 9 = 7
5 * 10 = 50	90 / 10 = 9	6 * 9 = 54	54 / 9 = 6
10 × 2 = 20	30 / 10 = 3	9 × 4 = 36	72 / 9 = 8
10 • 5 = 50	80 ÷ 10 = 8	9 • 5 = 45	27 ÷ 9 = 3
4 * 10 = 40	70 / 10 = 7	4 * 9 = 36	45 / 9 = 5
10 × 1 = 10	100 ÷ 10 = 10	9 × 1 = 9	63 ÷ 9 = 7
3 • 10 = 30	90 / 10 = 9	3 • 9 = 27	72 / 9 = 8
10 * 8 = 80	60 ÷ 10 = 6	9 * 8 = 72	54 ÷ 9 = 6
7 × 10 = 70	30 / 10 = 3	7 × 9 = 63	18 / 9 = 2
6 • 10 = 60	10 ÷ 10 = 1	6 • 9 = 54	90 ÷ 9 = 10
10 * 9 = 90	40 ÷ 10 = 4	9 * 9 = 81	9 ÷ 9 = 1
10 × 10 = 100	20 / 10 = 2	10 × 9 = 90	36 / 9 = 4
2 • 10 = 20	50 ÷ 10 = 5	2 • 9 = 18	81 ÷ 9 = 9

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1-8

Homework

Name _____ Date _____

Study Plan

_____

Homework Helper

Write an equation for each situation. Then solve the problem.

Show your work.

1. The pet store has 54 birds. There are 9 birds in each cage. How many cages are there?

_____

2. George told 2 stories each night of the camping trip. The camping trip was 3 nights long. How many stories did George tell?

_____

3. LaShawna blew up 40 balloons for a party. She made 10 equal bunches of balloons to put on the tables. How many balloons were in each bunch?

_____

4. There are 4 floors in Redville City Hall. Every floor has 9 offices. How many offices are in the building?

_____

5. Brigitte has 15 CDs. She can put 5 CDs in the CD player at one time. How many times does she have to change the CDs to listen to all of them?

_____

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Name _____ Date _____

Remembering

Multiply or divide to find the unknown numbers.

1. $\frac{40}{5} = \square$

2. $2 \times \square = 18$

3. $5 \bullet 5 = \square$

4. $15 \div 5 = \square$

5. $\square * 2 = 20$

6. $2\overline{)\square 20}$

Write an equation and solve the problem.

7. The parking lot has 45 cars. There are 5 cars in each row. How many rows of cars are there?

_____

8. A garden has 2 rows of tomato plants. Each row has 8 tomato plants. How many tomato plants are in the garden?

_____

9. The museum has 20 plaques hanging on the wall. The plaques are in 2 equal rows. How many plaques are in each row?

_____

10. Seven children each show 5 fingers. How many fingers are being shown?

_____

Complete the table.

11. Number of Dimes	1	3		7	9
Total Amount			50¢		90¢

12. Stretch Your Thinking The music teacher wants to line up the students to form an equal number of rows and columns for a performance. The music teacher wants 9 rows. Draw an array to show how the students will be lined up for the performance. How many students will there be?

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Name _____ Date _____

Home Check Sheet 3: 2s, 5s, 9s, and 10s

2s, 5s, 9s,10s Multiplications	2s, 5s, 9s, 10s Multiplications	2s, 5s, 9s, 10s Divisions	2s, 5s, 9s, 10s Divisions
2 × 10 = 20	5 × 10 = 50	18 / 2 = 9	36 / 9 = 4
10 • 5 = 50	10 • 9 = 90	50 ÷ 5 = 10	70 ÷ 10 = 7
9 * 6 = 54	4 * 10 = 40	72 / 9 = 8	18 / 2 = 9
7 × 10 = 70	2 × 9 = 18	60 ÷ 10 = 6	45 ÷ 5 = 9
2 • 3 = 6	5 • 3 = 15	12 / 2 = 6	45 / 9 = 5
5 * 7 = 35	6 * 9 = 54	30 ÷ 5 = 6	30 ÷ 10 = 3
9 × 10 = 90	10 × 3 = 30	18 / 9 = 2	6 / 2 = 3
6 • 10 = 60	3 • 2 = 6	50 ÷ 10 = 5	50 ÷ 5 = 10
8 * 2 = 16	5 * 8 = 40	14 / 2 = 7	27 / 9 = 3
5 × 6 = 30	9 × 9 = 81	25 / 5 = 5	70 / 10 = 7
9 • 5 = 45	10 • 4 = 40	81 ÷ 9 = 9	20 ÷ 2 = 10
8 * 10 = 80	9 * 2 = 18	20 / 10 = 2	45 / 5 = 9
2 × 1 = 2	5 × 1 = 5	8 ÷ 2 = 4	54 ÷ 9 = 6
3 • 5 = 15	9 • 6 = 54	45 / 5 = 9	80 / 10 = 8
4 * 9 = 36	10 * 1 = 10	63 ÷ 9 = 7	16 ÷ 2 = 8
3 × 10 = 30	7 × 2 = 14	30 / 10 = 3	15 / 5 = 3
2 • 6 = 12	6 • 5 = 30	10 ÷ 2 = 5	90 ÷ 9 = 10
4 * 5 = 20	8 * 9 = 72	40 ÷ 5 = 8	100 ÷ 10 = 10
9 × 7 = 63	10 × 6 = 60	9 / 9 = 1	12 / 2 = 6
1 • 10 = 10	2 • 8 = 16	50 ÷ 10 = 5	35 ÷ 5 = 7

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1-9

Homework

Name _____ Date _____

Multiply or divide to find the unknown numbers. Then check your answers at the bottom of this page.

1. $5 \times 6 = \square$

2. $50 \div 10 = \square$

3. $6 * 9 = \square$

4. $12 / 2 = \square$

5. $9 \times \square = 72$

6. $\frac{14}{2} = \square$

7. $9 \bullet 5 = \square$

8. $15 \div 5 = \square$

9. $7 \times 2 = \square$

10. $25 / 5 = \square$

11. $10 \bullet \square = 40$

12. $9\overline{)27}$ (quotient: $\square$)

13. $8 * 5 = \square$

14. $\frac{81}{9} = \square$

15. $7 \bullet \square = 35$

16. $2\overline{)20}$ (quotient: $\square$)

17. $10 \div \square = 5$

18. $2 * 7 = \square$

19. $30 \div 5 = \square$

20. $2 \times 7 = \square$

21. $18 / 2 = \square$

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1. 30 **2.** 5 **3.** 54 **4.** 6 **5.** 8 **6.** 7 **7.** 45 **8.** 3 **9.** 14 **10.** 5 **11.** 4
12. 3 **13.** 40 **14.** 9 **15.** 5 **16.** 10 **17.** 2 **18.** 14 **19.** 6 **20.** 14 **21.** 9

1-9

Homework

Name _____ Date _____

Study Plan

_____

Homework Helper

Write an equation for each situation. Then solve the problem.

1. Quinn rode his bike 35 miles. He stopped for water every 5 miles. How many times did Quinn stop for water?

_____

2. Roy had 12 bottles of juice. He put them in the refrigerator in 2 rows. How many bottles were in each row?

_____

3. Melinda has 5 cousins. She called each one on the phone 4 times this month. How many phone calls did she make to her cousins this month?

_____

4. Janelle won 27 tickets at the fair. She traded the tickets for 9 prizes. Each prize was worth the same number of tickets. How many tickets was each prize worth?

_____

5. Eric had 2 picnic baskets. He put 7 apples in each one. How many apples did he put into the picnic baskets?

_____

6. Grace has read 2 chapters in each of her 9 books. How many chapters has she read in all?

_____

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Name _____ Date _____

Remembering

Write an equation and solve the problem.

1. Maria wants some pens that cost $2 each. She spends $12 on pens. How many pens does she buy?

_____

2. Mrs. Lee has 5 crayons for each of her 10 students. How many crayons does Mrs. Lee have?

_____

Multiply or divide to find the unknown numbers.

3. $5 \bullet 1 = \square$

4. $2 \times \square = 8$

5. $\frac{90}{10} = \square$

6. $30 \div 10 = \square$

7. $2\overline{)\square 14}$

8. $\square * 5 = 35$

Write an equation and solve the problem.

9. The art teacher has 63 paintbrushes. There are 9 paintbrushes in each box. How many boxes are there?

_____

10. There are 8 plates. Jamie puts 9 strawberries on each plate. How many strawberries are on the plates?

_____

11. Mr. Kim receives an order of 30 new books for the media center. He displays the same number of books on each of 5 shelves. How many books are on each shelf?

_____

12. Stretch Your Thinking Write a word problem using 9 and 10 as factors. Write an equation to solve your problem.

_____

_____

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1-10 Homework

Name Date

Use this chart to practice your 3s count-bys, multiplications, and divisions. Then have your Homework Helper test you.

	× In Order	× Mixed Up	÷ Mixed Up
3s	1 × 3 = 3	3 × 3 = 9	27 ÷ 3 = 9
	2 × 3 = 6	5 × 3 = 15	21 ÷ 3 = 7
	3 × 3 = 9	1 × 3 = 3	3 ÷ 3 = 1
	4 × 3 = 12	8 × 3 = 24	9 ÷ 3 = 3
	5 × 3 = 15	2 × 3 = 6	30 ÷ 3 = 10
	6 × 3 = 18	9 × 3 = 27	24 ÷ 3 = 8
	7 × 3 = 21	7 × 3 = 21	12 ÷ 3 = 4
	8 × 3 = 24	10 × 3 = 30	6 ÷ 3 = 2
	9 × 3 = 27	6 × 3 = 18	15 ÷ 3 = 5
	10 × 3 = 30	4 × 3 = 12	18 ÷ 3 = 6

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1-10

Homework

Name _____ Date _____

Multiply or divide to find the unknown numbers. Then check your answers at the bottom of this page.

1. $6 \times 3 = \square$

2. $3\overline{)\square 27}$

3. $2 * \square = 18$

4. $18 / 9 = \square$

5. $3 \times \square = 30$

6. $\frac{15}{3} = \square$

7. $9 \bullet 8 = \square$

8. $50 \div 10 = \square$

9. $2 \times 2 = \square$

10. $35 / 5 = \square$

11. $4 \bullet 10 = \square$

12. $14 \div 2 = \square$

13. $8 * 3 = \square$

14. $\frac{63}{9} = \square$

15. $5 \bullet \square = 35$

16. $9\overline{)\square 27}$

17. $10 \div \square = 2$

18. $\square * 9 = 18$

19. $5 \times 9 = \square$

20. $81 \div \square = 9$

21. $14 / 2 = \square$

1. 18 **2.** 9 **3.** 9 **4.** 2 **5.** 10 **6.** 5 **7.** 72 **8.** 5 **9.** 4 **10.** 7 **11.** 40
12. 7 **13.** 24 **14.** 7 **15.** 7 **16.** 3 **17.** 5 **18.** 2 **19.** 45 **20.** 9 **21.** 7

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1-10
Homework

Name _____ Date _____

Study Plan

_____
Homework Helper

Write an equation and solve the problem.

1. Greg has 3 hats. He has worn each one 4 times this year. How many times this year has he worn a hat?

_____

2. Keenan has won 24 award ribbons. He hung them on his wall in 3 rows, with the same number of ribbons in each row. How many ribbons are in each row?

_____

3. Mai went to the movies 9 times this month. She paid 4 dollars to see each movie. How much did she spend in all?

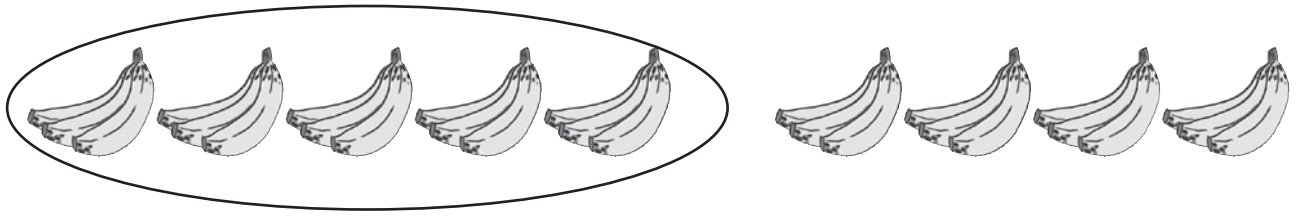
_____

4. Tess planted 45 tomato seeds in her garden. She planted them in an array with 9 rows. How many seeds were in each row?

_____

Find the total number by starting with the fifth count-by and counting from there.

5. How many bananas are in these 9 bunches?



_____ _____ _____ _____ _____

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Name _____ Date _____

Remembering

Multiply or divide to find the unknown numbers.

1. $2 \bullet 2 = \square$

2. $10 \times \square = 70$

3. $\frac{36}{9} = \square$

4. $\square * 9 = 72$

5. $20 \div 10 = \square$

6. $\square * 10 = 40$

Write an equation for each situation. Then solve the problem.

7. The museum has 81 pictures displayed. There are 9 pictures hanging in each room. How many rooms are there?

_____

8. Brian has 10 friends at his party. He gives each friend 5 baseball cards. How many baseball cards does he give his friends?

_____

9. Stretch Your Thinking Anita wants to buy a box of glitter packets to divide evenly among her three art classes. She doesn't want any glitter packets left over. Which box of glitter packets should Anita buy?

_____

_____

_____

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2×2

2×3

3×2

2×4

4×2

2×5

5×2

2×6

6×2

2×7

7×2

2×8

8×2

2×9

9×2

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$10 = 2 \times 5$

$10 = 5 \times 2$

5 2
10 4
6
8
10

5
2 10

$2 \times 4 = 8$

2
4
6
8

$4 \times 2 = 8$

4
8

2
4 8

$6 = 2 \times 3$

$6 = 3 \times 2$

3 2
6 4
6

3
2 6

$2 \times 2 = 4$

2
4

2
2 4

$18 = 2 \times 9$

$18 = 9 \times 2$

9 2
18 4
6
8
10

12
14
16
18

9
2 18

$2 \times 8 = 16$

8
16

$8 \times 2 = 16$

2
4
6
8
10

12
14
16

2
8 16

$14 = 2 \times 7$

$14 = 7 \times 2$

7 2
14 4
6
8
10

12
14

7
2 14

$2 \times 6 = 12$

6
12

$6 \times 2 = 12$

2
4
6
8
10

12

2
6 12

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3×3

3×4

4×3

3×5

5×3

3×6

6×3

3×7

7×3

3×8

8×3

3×9

9×3

4×4

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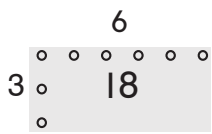
$18 = 3 \times 6$

$18 = 6 \times 3$

6	3
12	6
18	9
	12
	15
	18



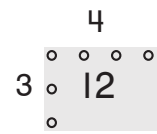
$$\begin{array}{r} 3 \\ \times\ 5 \\ \hline 15 \end{array} \qquad \begin{array}{r} 5 \\ \times\ 3 \\ \hline 15 \end{array}$$

5	3
10	6
15	9
	12
	15

$12 = 3 \times 4$

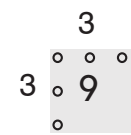
$12 = 4 \times 3$

4	3
8	6
12	9
	12



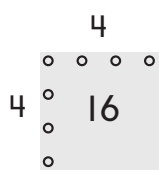
$$\begin{array}{r} 3 \\ \times\ 3 \\ \hline 9 \end{array}$$

3
6
9



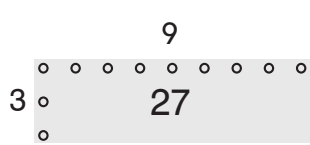
$16 = 4 \times 4$

4
8
12
16



$$\begin{array}{r} 3 \\ \times\ 9 \\ \hline 27 \end{array} \qquad \begin{array}{r} 9 \\ \times\ 3 \\ \hline 27 \end{array}$$

9	3
18	6
27	9
	12
	15
	18
	21
	24
	27



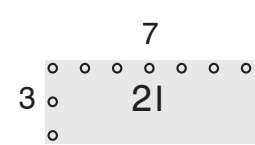
$24 = 3 \times 8$

$24 = 8 \times 3$

8	3
16	6
24	9
	12
	15
	18
	21
	24

$$\begin{array}{r} 3 \\ \times\ 7 \\ \hline 21 \end{array} \qquad \begin{array}{r} 7 \\ \times\ 3 \\ \hline 21 \end{array}$$

7	3
14	6
21	9
	12
	15
	18
	21



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4×5
5×4

4×6
6×4

4×7
7×4

4×8
8×4

4×9
9×4

5×5

5×6
6×5

5×7
7×5

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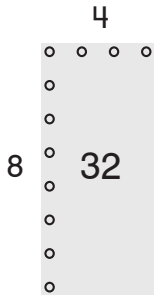
$32 = 4 \times 8$

$32 = 8 \times 4$

8 4
16 8
24 12
32 16
20

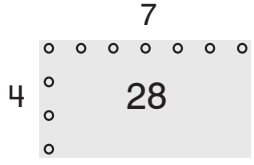
24
28
32



$$\begin{array}{r} 4 \\ \times\ 7 \\ \hline 28 \end{array} \qquad \begin{array}{r} 7 \\ \times\ 4 \\ \hline 28 \end{array}$$

7 4
14 8
21 12
28 16
20

24
28

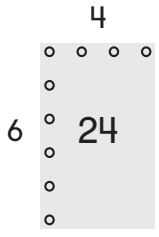


$24 = 4 \times 6$

$24 = 6 \times 4$

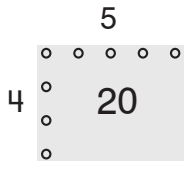
6 4
12 8
18 12
24 16
20

24



$$\begin{array}{r} 4 \\ \times\ 5 \\ \hline 20 \end{array} \qquad \begin{array}{r} 5 \\ \times\ 4 \\ \hline 20 \end{array}$$

5 4
10 8
15 12
20 16
20

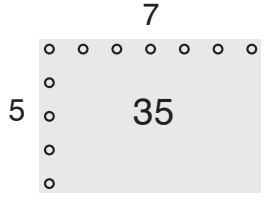


$35 = 5 \times 7$

$35 = 7 \times 5$

7 5
14 10
21 15
28 20
35 25

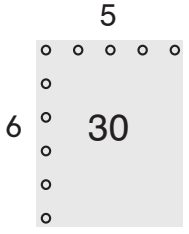
30
35



$$\begin{array}{r} 5 \\ \times\ 6 \\ \hline 30 \end{array} \qquad \begin{array}{r} 6 \\ \times\ 5 \\ \hline 30 \end{array}$$

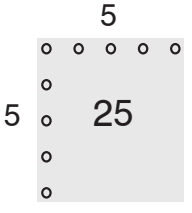
6 5
12 10
18 15
24 20
30 25

30



$25 = 5 \times 5$

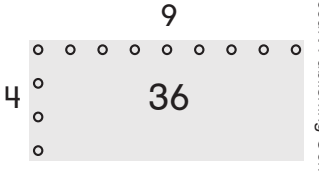
5
10
15
20
25



$$\begin{array}{r} 4 \\ \times 9 \\ \hline 36 \end{array} \qquad \begin{array}{r} 9 \\ \times\ 4 \\ \hline 36 \end{array}$$

9 4
18 8
27 12
36 16
20

24
28
32
36



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5×8
8×5

$\begin{array}{r} 5 \\ \times\ 9 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ \times\ 5 \\ \hline \end{array}$

6×6

$\begin{array}{r} 6 \\ \times\ 7 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ \times\ 6 \\ \hline \end{array}$

6×8
8×6

$\begin{array}{r} 6 \\ \times\ 9 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ \times\ 6 \\ \hline \end{array}$

7×7

$\begin{array}{r} 7 \\ \times\ 8 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ \times\ 7 \\ \hline \end{array}$

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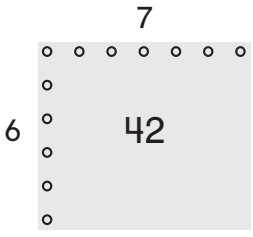
$42 = 7 \times 6$

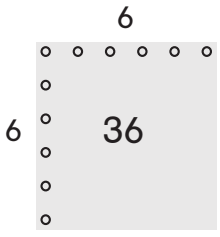
$42 = 6 \times 7$

6	7
12	14
18	21
24	28
30	35
36	42
42	



$$\begin{array}{r} 6 \\ \times\ 6 \\ \hline 36 \end{array}$$

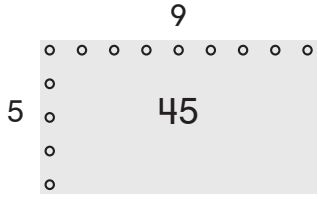
6
12
18
24
30
36



$45 = 9 \times 5$

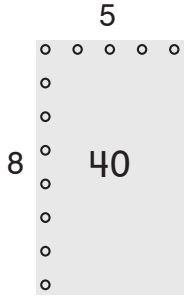
$45 = 5 \times 9$

5	9
10	18
15	27
20	36
25	45
30	
35	
40	
45	



$$\begin{array}{r} 8 \\ \times\ 5 \\ \hline 40 \end{array} \qquad \begin{array}{r} 5 \\ \times\ 8 \\ \hline 40 \end{array}$$

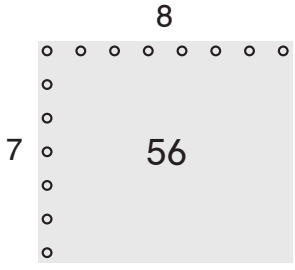
5	8
10	16
15	24
20	32
25	40
30	
35	
40	



$56 = 7 \times 8$

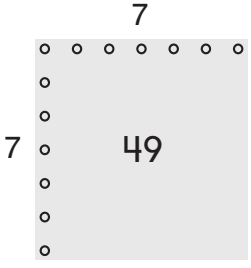
$56 = 8 \times 7$

8	7
16	14
24	21
32	28
40	35
48	42
56	49
	56



$$\begin{array}{r} 7 \\ \times\ 7 \\ \hline 49 \end{array}$$

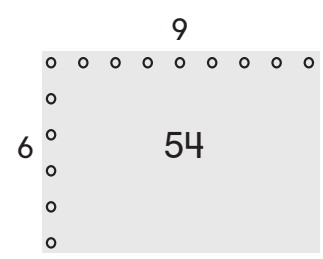
7
14
21
28
35
42
49



$54 = 9 \times 6$

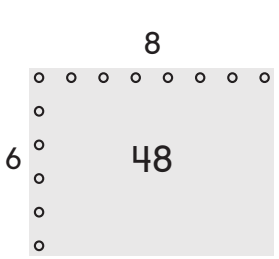
$54 = 6 \times 9$

6	9
12	18
18	27
24	36
30	45
36	54
42	
48	
54	



$$\begin{array}{r} 6 \\ \times\ 8 \\ \hline 48 \end{array} \qquad \begin{array}{r} 8 \\ \times\ 6 \\ \hline 48 \end{array}$$

6	8
12	16
18	24
24	32
30	40
36	48
42	
48	



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7×9
9×7

$$\begin{array}{r} 8 \\ \times\ 8 \\ \hline \end{array}$$

9×8
8×9

$$\begin{array}{r} 9 \\ \times\ 9 \\ \hline \end{array}$$

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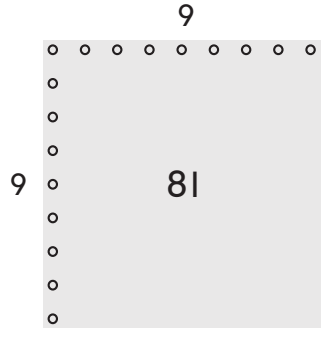
$81 = 9 \times 9$

9
18
27
36
45

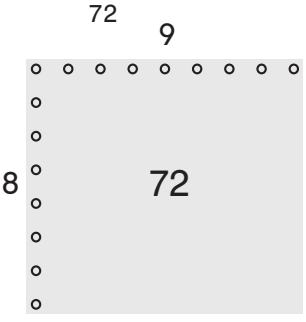
54
63
72
81



$9 \times 8 = 72$

8
16
24
32
40

48
56
64
72



$8 \times 9 = 72$

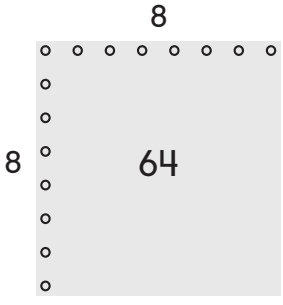
9
18
27
36
45

54
63
72

$64 = 8 \times 8$

8
16
24
32
40

48
56
64



$7 \times 9 = 63$

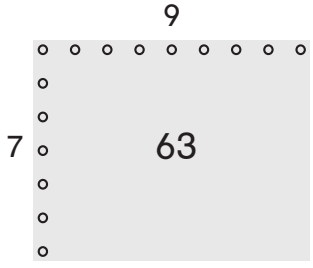
9
18
27
36
45

54
63

$9 \times 7 = 63$

7
14
21
28
35

42
49
56
63



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$2\overline{)4}$

$4 \div 2$

$2\overline{)6}$

$6 \div 2$

$2\overline{)8}$

$8 \div 2$

$2\overline{)10}$

$10 \div 2$

$2\overline{)12}$

$12 \div 2$

$2\overline{)14}$

$14 \div 2$

$2\overline{)16}$

$16 \div 2$

$2\overline{)18}$

$18 \div 2$

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$$2\overline{)10}\ \ 5 \qquad 5\overline{)10}\ \ 2$$

2 4 6 8 10

5 10

5

2 10

$$2\overline{)8}\ \ 4 \qquad 4\overline{)8}\ \ 2$$

2 4 6 8

4 8

4

2 8

$$2\overline{)6}\ \ 3 \qquad 3\overline{)6}\ \ 2$$

2 4 6

3 6

3

2 6

$$2\overline{)4}\ \ 2$$

2 4

2

2 4

$$2\overline{)18}\ \ 9 \qquad 9\overline{)18}\ \ 2$$

2 4 6 8 10 12 14 16 18

9 18

9

2 18

$$2\overline{)16}\ \ 8 \qquad 8\overline{)16}\ \ 2$$

2 4 6 8 10 12 14 16

8 16

8

2 16

$$2\overline{)14}\ \ 7 \qquad 7\overline{)14}\ \ 2$$

2 4 6 8 10 12 14

7 14

7

2 14

$$2\overline{)12}\ \ 6 \qquad 6\overline{)12}\ \ 2$$

2 4 6 8 10 12

6 12

6

2 12

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$3\overline{)6}$

$6 \div 3$

$4\overline{)8}$

$8 \div 4$

$5\overline{)10}$

$10 \div 5$

$6\overline{)12}$

$12 \div 6$

$7\overline{)14}$

$14 \div 7$

$8\overline{)16}$

$16 \div 8$

$9\overline{)18}$

$18 \div 9$

$3\overline{)9}$

$9 \div 3$

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$6\overline{)12}$ $2\overline{)12}$

6
12

2
4
6
8
10

12

2
6 ∘12

$5\overline{)10}$ $2\overline{)10}$

5
10

2
4
6
8
10

2
5 ∘10

$4\overline{)8}$ $2\overline{)8}$

4
8

2
4
6
8

2
4 ∘8

$3\overline{)6}$ $2\overline{)6}$

3
6

2
4
6

2
3 ∘6

$3\overline{)9}$

3
6
9

3
3 ∘9

$9\overline{)18}$ $2\overline{)18}$

9
18

2
4
6
8
10

12
14
16
18

2
9 ∘18

$8\overline{)16}$ $2\overline{)16}$

8
16

2
4
6
8
10

12
14
16

2
8 ∘16

$7\overline{)14}$ $2\overline{)14}$

7
14

2
4
6
8
10

12
14

2
7 ∘14

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$3\overline{)12}$

$12 \div 3$

$3\overline{)15}$

$15 \div 3$

$3\overline{)18}$

$18 \div 3$

$3\overline{)21}$

$21 \div 3$

$3\overline{)24}$

$24 \div 3$

$3\overline{)27}$

$27 \div 3$

$4\overline{)12}$

$12 \div 4$

$5\overline{)15}$

$15 \div 5$

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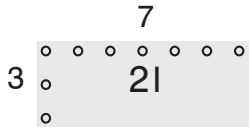
$3\overline{)21}$ $7\overline{)21}$

3, 6, 9, 12, 15, 18, 21

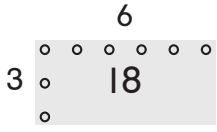
7, 14, 21



$3\overline{)18}$ $6\overline{)18}$

3, 6, 9, 12, 15, 18

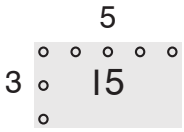
6, 12, 18



$3\overline{)15}$ $5\overline{)15}$

3, 6, 9, 12, 15

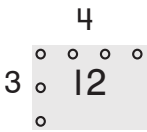
5, 10, 15



$3\overline{)12}$ $4\overline{)12}$

3, 6, 9, 12

4, 8, 12



$5\overline{)15}$ $3\overline{)15}$

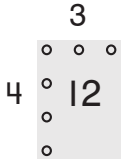
5, 10, 15

3, 6, 9, 12, 15

$4\overline{)12}$ $3\overline{)12}$

4, 8, 12

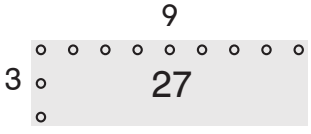
3, 6, 9, 12



$3\overline{)27}$ $9\overline{)27}$

3, 6, 9, 12, 15, 18, 21, 24, 27

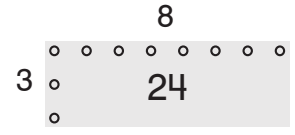
9, 18, 27



$3\overline{)24}$ $8\overline{)24}$

3, 6, 9, 12, 15, 18, 21, 24

8, 16, 24



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$6\overline{)18}$

$18 \div 6$

$7\overline{)21}$

$21 \div 7$

$8\overline{)24}$

$24 \div 8$

$9\overline{)27}$

$27 \div 9$

$4\overline{)16}$

$16 \div 4$

$4\overline{)20}$

$20 \div 4$

$4\overline{)24}$

$24 \div 4$

$4\overline{)28}$

$28 \div 4$

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$9\overline{)27}$ $3\overline{)27}$

9
18
27

3
6
9
12
15
18
21
24
27

$8\overline{)24}$ $3\overline{)24}$

8
16
24

3
6
9
12
15
18
21
24

$7\overline{)21}$ $3\overline{)21}$

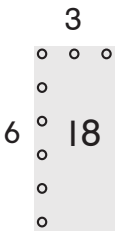
7
14
21

3
6
9
12
15
18
21

$6\overline{)18}$ $3\overline{)18}$

6
12
18

3
6
9
12
15
18



$4\overline{)28}$ $7\overline{)28}$

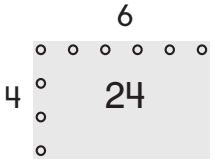
4
8
12
16
20
24
28

7
14
21
28

$4\overline{)24}$ $6\overline{)24}$

4
8
12
16
20
24

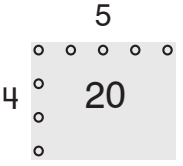
6
12
18
24



$4\overline{)20}$ $5\overline{)20}$

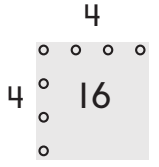
4
8
12
16
20

5
10
15
20



$4\overline{)16}$

4
8
12
16



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$4\overline{)32}$

$32 \div 4$

$4\overline{)36}$

$36 \div 4$

$5\overline{)20}$

$20 \div 5$

$6\overline{)24}$

$24 \div 6$

$7\overline{)28}$

$28 \div 7$

$8\overline{)32}$

$32 \div 8$

$9\overline{)36}$

$36 \div 9$

$5\overline{)25}$

$25 \div 5$

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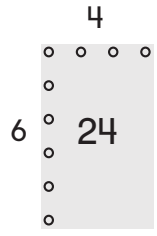
$$\begin{array}{r} 4 \\ 6\overline{)24} \end{array} \qquad \begin{array}{r} 6 \\ 4\overline{)24} \end{array}$$

6
12
18
24

4
8
12
16
20

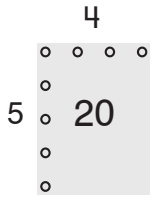
24



$$\begin{array}{r} 4 \\ 5\overline{)20} \end{array} \qquad \begin{array}{r} 5 \\ 4\overline{)20} \end{array}$$

5
10
15
20

4
8
12
16
20

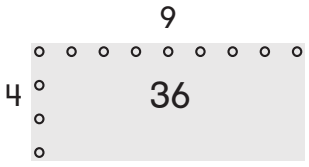


$$\begin{array}{r} 9 \\ 4\overline{)36} \end{array} \qquad \begin{array}{r} 4 \\ 9\overline{)36} \end{array}$$

4
8
12
16
20

24
28
32
36

9
18
27
36

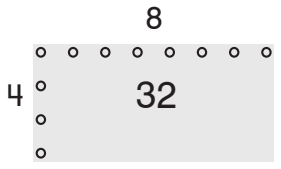


$$\begin{array}{r} 8 \\ 4\overline{)32} \end{array} \qquad \begin{array}{r} 4 \\ 8\overline{)32} \end{array}$$

4
8
12
16
20

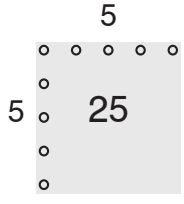
24
28
32

8
16
24
32



$$\begin{array}{r} 5 \\ 5\overline{)25} \end{array}$$

5
10
15
20
25



$$\begin{array}{r} 4 \\ 9\overline{)36} \end{array} \qquad \begin{array}{r} 9 \\ 4\overline{)36} \end{array}$$

9
18
27
36

4
8
12
16
20

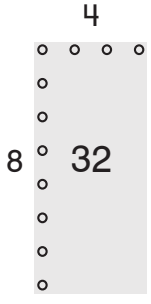
24
28
32
36

$$\begin{array}{r} 4 \\ 8\overline{)32} \end{array} \qquad \begin{array}{r} 8 \\ 4\overline{)32} \end{array}$$

8
16
24
32

4
8
12
16
20

24
28
32



$$\begin{array}{r} 4 \\ 7\overline{)28} \end{array} \qquad \begin{array}{r} 7 \\ 4\overline{)28} \end{array}$$

7
14
21
28

4
8
12
16
20

24
28

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$5\overline{)30}$

$30 \div 5$

$5\overline{)35}$

$35 \div 5$

$5\overline{)40}$

$40 \div 5$

$5\overline{)45}$

$45 \div 5$

$6\overline{)30}$

$30 \div 6$

$7\overline{)35}$

$35 \div 7$

$8\overline{)40}$

$40 \div 8$

$9\overline{)45}$

$45 \div 9$

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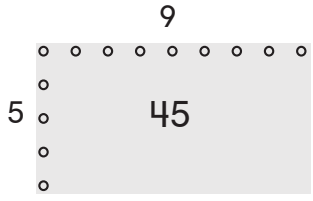
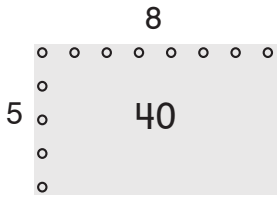
$$\begin{array}{r} 9 \\ 5\overline{)45} \end{array} \qquad \begin{array}{r} 5 \\ 9\overline{)45} \end{array}$$

5	9
10	18
15	27
20	36
25	45
30	
35	
40	
45	



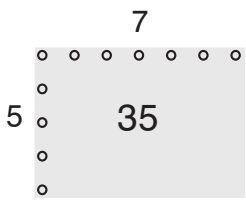
$$\begin{array}{r} 8 \\ 5\overline{)40} \end{array} \qquad \begin{array}{r} 5 \\ 8\overline{)40} \end{array}$$

5	8
10	16
15	24
20	32
25	40
30	
35	
40	



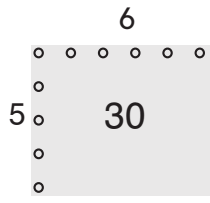
$$\begin{array}{r} 7 \\ 5\overline{)35} \end{array} \qquad \begin{array}{r} 5 \\ 7\overline{)35} \end{array}$$

5	7
10	14
15	21
20	28
25	35
30	
35	



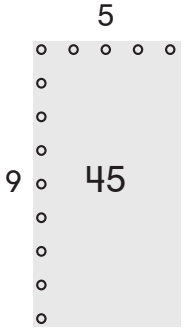
$$\begin{array}{r} 6 \\ 5\overline{)30} \end{array} \qquad \begin{array}{r} 5 \\ 6\overline{)30} \end{array}$$

5	6
10	12
15	18
20	24
25	30
30	



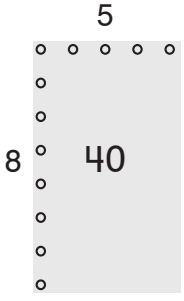
$$\begin{array}{r} 5 \\ 9\overline{)45} \end{array} \qquad \begin{array}{r} 9 \\ 5\overline{)45} \end{array}$$

9	5
18	10
27	15
36	20
45	25
	30
	35
	40
	45



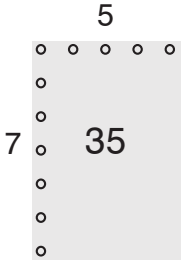
$$\begin{array}{r} 5 \\ 8\overline{)40} \end{array} \qquad \begin{array}{r} 8 \\ 5\overline{)40} \end{array}$$

8	5
16	10
24	15
32	20
40	25
	30
	35
	40



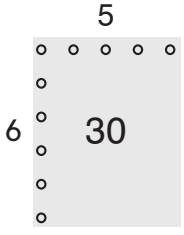
$$\begin{array}{r} 5 \\ 7\overline{)35} \end{array} \qquad \begin{array}{r} 7 \\ 5\overline{)35} \end{array}$$

7	5
14	10
21	15
28	20
35	25
	30
	35



$$\begin{array}{r} 5 \\ 6\overline{)30} \end{array} \qquad \begin{array}{r} 6 \\ 5\overline{)30} \end{array}$$

6	5
12	10
18	15
24	20
30	25
	30



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$6\overline{)36}$

$36 \div 6$

$6\overline{)42}$

$42 \div 6$

$6\overline{)48}$

$48 \div 6$

$6\overline{)54}$

$54 \div 6$

$7\overline{)42}$

$42 \div 7$

$8\overline{)48}$

$48 \div 8$

$9\overline{)54}$

$54 \div 9$

$7\overline{)49}$

$49 \div 7$

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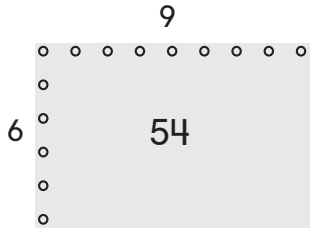
$$\begin{array}{r} 9 \\ 6\overline{)54} \end{array} \qquad \begin{array}{r} 6 \\ 9\overline{)54} \end{array}$$

6	9
12	18
18	27
24	36
30	45
36	54
42	
48	
54	

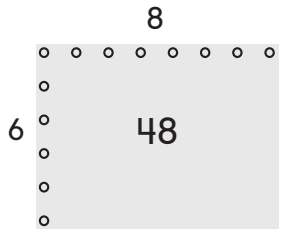


9

6 54

$$\begin{array}{r} 8 \\ 6\overline{)48} \end{array} \qquad \begin{array}{r} 6 \\ 8\overline{)48} \end{array}$$

6	8
12	16
18	24
24	32
30	40
36	48
42	
48	

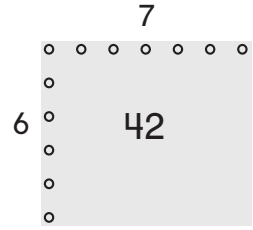


8

6 48

$$\begin{array}{r} 7 \\ 6\overline{)42} \end{array} \qquad \begin{array}{r} 6 \\ 7\overline{)42} \end{array}$$

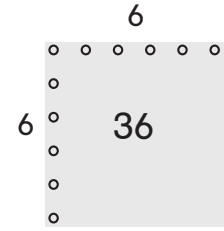
6	7
12	14
18	21
24	28
30	35
36	42
42	



7

6 42

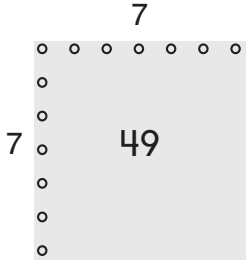
$$\begin{array}{r} 6 \\ 6\overline{)36} \end{array}$$



6
12
18
24
30
36

6

6 36



$$\begin{array}{r} 7 \\ 7\overline{)49} \end{array}$$

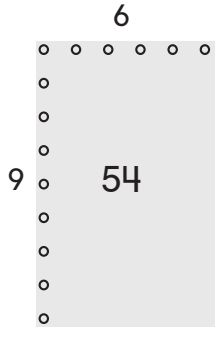
7
14
21
28
35
42
49

7

7 49

$$\begin{array}{r} 6 \\ 9\overline{)54} \end{array} \qquad \begin{array}{r} 9 \\ 6\overline{)54} \end{array}$$

9	6
18	12
27	18
36	24
45	30
54	36
	42
	48
	54

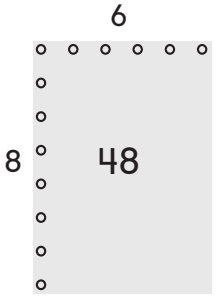


6

9 54

$$\begin{array}{r} 6 \\ 8\overline{)48} \end{array} \qquad \begin{array}{r} 8 \\ 6\overline{)48} \end{array}$$

8	6
16	12
24	18
32	24
40	30
48	36
	42
	48



6

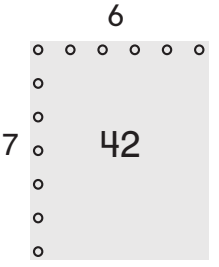
8 48

$$\begin{array}{r} 6 \\ 7\overline{)42} \end{array} \qquad \begin{array}{r} 7 \\ 6\overline{)42} \end{array}$$

7	6
14	12
21	18
28	24
35	30
42	36
	42

6

7 42



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$7\overline{)56}$

$56 \div 7$

$7\overline{)63}$

$63 \div 7$

$8\overline{)56}$

$56 \div 8$

$9\overline{)63}$

$63 \div 9$

$8\overline{)64}$

$64 \div 8$

$8\overline{)72}$

$72 \div 8$

$9\overline{)72}$

$72 \div 9$

$9\overline{)81}$

$81 \div 9$

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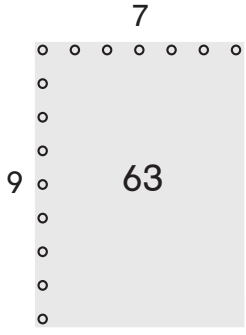
$9\overline{)63}$ $7\overline{)63}$

9, 18, 27, 36, 45, 54, 63

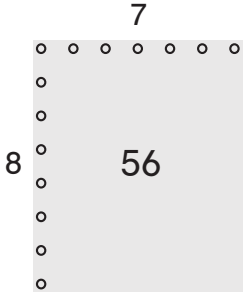
7, 14, 21, 28, 35, 42, 49, 56, 63



$8\overline{)56}$ $7\overline{)56}$

8, 16, 24, 32, 40, 48, 56

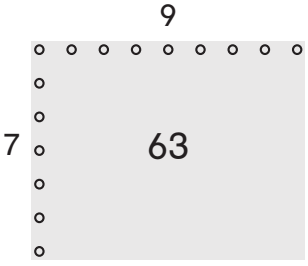
7, 14, 21, 28, 35, 42, 49, 56



$7\overline{)63}$ $9\overline{)63}$

7, 14, 21, 28, 35, 42, 49, 56, 63

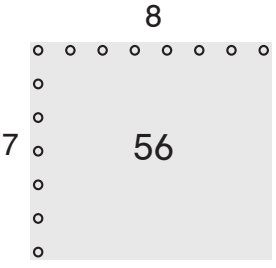
9, 18, 27, 36, 45, 54, 63



$7\overline{)56}$ $8\overline{)56}$

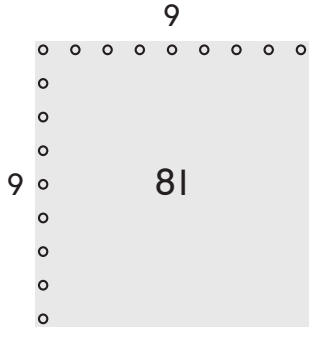
7, 14, 21, 28, 35, 42, 49, 56

8, 16, 24, 32, 40, 48, 56



$9\overline{)81}$

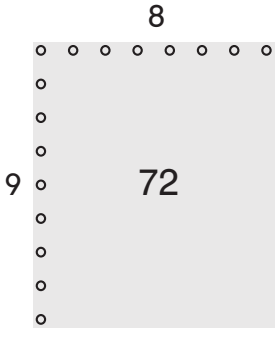
9, 18, 27, 36, 45, 54, 63, 72, 81



$9\overline{)72}$ $8\overline{)72}$

9, 18, 27, 36, 45, 54, 63, 72

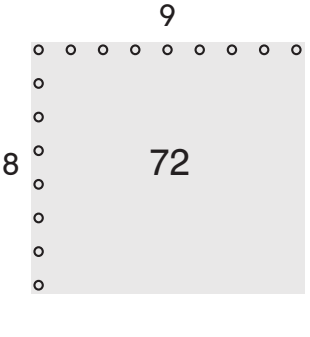
8, 16, 24, 32, 40, 48, 56, 64, 72



$8\overline{)72}$ $9\overline{)72}$

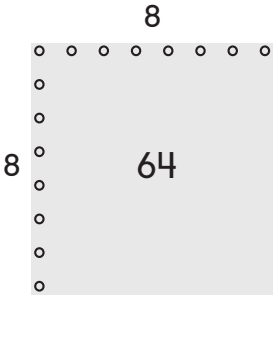
8, 16, 24, 32, 40, 48, 56, 64, 72

9, 18, 27, 36, 45, 54, 63, 72



$8\overline{)64}$

8, 16, 24, 32, 40, 48, 56, 64



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1-11 Homework

Name

Date

Home Study Sheet B

3s		
Count-bys	**Mixed Up ×**	**Mixed Up ÷**
1 × 3 = 3	5 × 3 = 15	27 ÷ 3 = 9
2 × 3 = 6	1 × 3 = 3	6 ÷ 3 = 2
3 × 3 = 9	8 × 3 = 24	18 ÷ 3 = 6
4 × 3 = 12	10 × 3 = 30	30 ÷ 3 = 10
5 × 3 = 15	3 × 3 = 9	9 ÷ 3 = 3
6 × 3 = 18	7 × 3 = 21	3 ÷ 3 = 1
7 × 3 = 21	9 × 3 = 27	12 ÷ 3 = 4
8 × 3 = 24	2 × 3 = 6	24 ÷ 3 = 8
9 × 3 = 27	4 × 3 = 12	15 ÷ 3 = 5
10 × 3 = 30	6 × 3 = 18	21 ÷ 3 = 7

4s		
Count-bys	**Mixed Up ×**	**Mixed Up ÷**
1 × 4 = 4	4 × 4 = 16	12 ÷ 4 = 3
2 × 4 = 8	1 × 4 = 4	36 ÷ 4 = 9
3 × 4 = 12	7 × 4 = 28	24 ÷ 4 = 6
4 × 4 = 16	3 × 4 = 12	4 ÷ 4 = 1
5 × 4 = 20	9 × 4 = 36	20 ÷ 4 = 5
6 × 4 = 24	10 × 4 = 40	28 ÷ 4 = 7
7 × 4 = 28	2 × 4 = 8	8 ÷ 4 = 2
8 × 4 = 32	5 × 4 = 20	40 ÷ 4 = 10
9 × 4 = 36	8 × 4 = 32	32 ÷ 4 = 8
10 × 4 = 40	6 × 4 = 24	16 ÷ 4 = 4

0s	
Count-bys	**Mixed Up ×**
1 × 0 = 0	3 × 0 = 0
2 × 0 = 0	10 × 0 = 0
3 × 0 = 0	5 × 0 = 0
4 × 0 = 0	8 × 0 = 0
5 × 0 = 0	7 × 0 = 0
6 × 0 = 0	2 × 0 = 0
7 × 0 = 0	9 × 0 = 0
8 × 0 = 0	6 × 0 = 0
9 × 0 = 0	1 × 0 = 0
10 × 0 = 0	4 × 0 = 0

1s		
Count-bys	**Mixed Up ×**	**Mixed Up ÷**
1 × 1 = 1	5 × 1 = 5	10 ÷ 1 = 10
2 × 1 = 2	7 × 1 = 7	8 ÷ 1 = 8
3 × 1 = 3	10 × 1 = 10	4 ÷ 1 = 4
4 × 1 = 4	1 × 1 = 1	9 ÷ 1 = 9
5 × 1 = 5	8 × 1 = 8	6 ÷ 1 = 6
6 × 1 = 6	4 × 1 = 4	7 ÷ 1 = 7
7 × 1 = 7	9 × 1 = 9	1 ÷ 1 = 1
8 × 1 = 8	3 × 1 = 3	2 ÷ 1 = 2
9 × 1 = 9	2 × 1 = 2	5 ÷ 1 = 5
10 × 1 = 10	6 × 1 = 6	3 ÷ 1 = 3

1-11
Homework

Name _____ Date _____

Multiply or divide to find the unknown numbers. Then check your answers at the bottom of the page.

1. $3 \times 5 = \square$

2. $27 \div 9 = \square$

3. $2\overline{)20}$ $\square$

4. $7 \bullet 9 = \square$

5. $2 * \square = 12$

6. $18 / 3 = \square$

7. $9 \times 5 = \square$

8. $3 * \square = 21$

9. $\frac{81}{9} = \square$

10. $6 \div 3 = \square$

11. $8 \times 2 = \square$

12. $\frac{14}{2} = \square$

13. $3 \bullet 3 = \square$

14. $\square * 9 = 72$

15. $90 \div 9 = \square$

16. $\square * 2 = 18$

17. $24 \div \square = 8$

18. $12 / \square = 6$

19. $6 \bullet 5 = \square$

20. $4 \times \square = 40$

21. $\square \bullet 9 = 54$

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1. 15 **2.** 3 **3.** 10 **4.** 63 **5.** 6 **6.** 6 **7.** 45 **8.** 7 **9.** 9 **10.** 2 **11.** 16
12. 7 **13.** 9 **14.** 8 **15.** 10 **16.** 9 **17.** 3 **18.** 2 **19.** 30 **20.** 10 **21.** 6

Name _____ Date _____

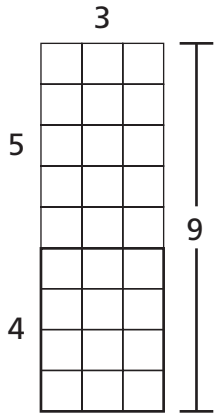
Study Plan

_____
Homework Helper

Make a rectangle drawing to represent each exercise. Then find the product.

1. $5 \times 9 =$ _____ **2.** $3 * 6 =$ _____ **3.** $3 \bullet 9 =$ _____

Ashley drew this large rectangle, which is made up of two small rectangles.



4. Find the area of the large rectangle by finding the areas of the two small rectangles and adding them.

_____

_____

5. Find the area of the large rectangle by multiplying the number of rows by the number of square units in each row.

_____

6. Find this product: $5 \times 6 =$ _____

7. Find this product: $2 \times 6 =$ _____

8. Use your answers to exercises 6 and 7 to find this product: $7 \times 6 =$ _____

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Name _____ Date _____

Remembering

Multiply or divide to find the unknown numbers.

1. $30 \div 3 = \square$

2. $5 * \square = 40$

3. $\frac{18}{9} = \square$

4. $3 \bullet 8 = \square$

5. $5\overline{)25}$ (quotient: $\square$)

6. $\square \times 2 = 14$

Write an equation and solve the problem.

7. There are 50 paper clips in the box. Each art project requires 10 paper clips. How many art projects can be made with the box of 50 clips?

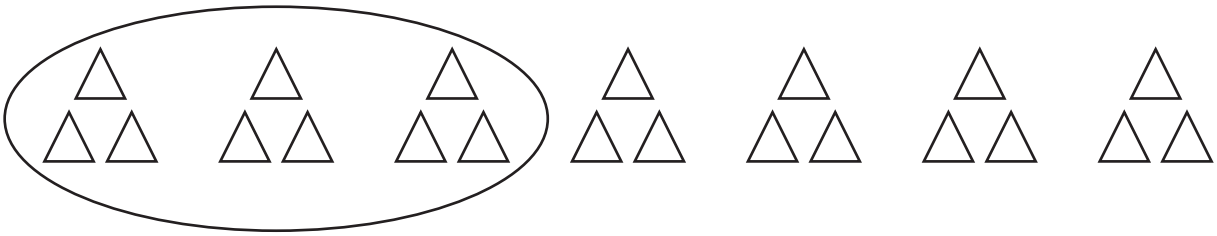
_____

8. There are 27 toys in 3 boxes. Each box has the same number of toys. How many toys are in each box?

_____

Find the total number by starting with the third count-by and counting from there.

9. How many triangles are in these 7 sets?



_____ _____ _____ _____ _____

10. Stretch Your Thinking Aiden knows the length of only one side of his garden. He says he will be able to find the area knowing only one side. Explain how this can be true.

_____

_____

_____

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1-12

Homework

Name Date

Use this table to practice your 4s count-bys, multiplications, and divisions. Then have your Homework Helper test you.

	× In Order	× Mixed Up	÷ Mixed Up
4s	1 × 4 = 4	9 × 4 = 36	20 ÷ 4 = 5
	2 × 4 = 8	5 × 4 = 20	4 ÷ 4 = 1
	3 × 4 = 12	7 × 4 = 28	16 ÷ 4 = 4
	4 × 4 = 16	2 × 4 = 8	36 ÷ 4 = 9
	5 × 4 = 20	4 × 4 = 16	24 ÷ 4 = 6
	6 × 4 = 24	1 × 4 = 4	12 ÷ 4 = 3
	7 × 4 = 28	6 × 4 = 24	32 ÷ 4 = 8
	8 × 4 = 32	8 × 4 = 32	8 ÷ 4 = 2
	9 × 4 = 36	3 × 4 = 12	40 ÷ 4 = 10
	10 × 4 = 40	10 × 4 = 40	28 ÷ 4 = 7

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1-12

Homework

Name _____ Date _____

Multiply or divide to find the unknown numbers. Then check your answers at the bottom of this page.

1. $4 \times 9 = \square$

2. $12 \div 3 = \square$

3. $4 * 8 = \square$

4. $30 / 3 = \square$

5. $3 \bullet \square = 24$

6. $9\overline{)81}$ $\square$

7. $6 \times 3 = \square$

8. $\frac{27}{3} = \square$

9. $9 \times 10 = \square$

10. $24 / 4 = \square$

11. $10 \bullet 3 = \square$

12. $16 \div 4 = \square$

13. $9 * \square = 63$

14. $\frac{36}{4} = \square$

15. $7 \bullet 4 = \square$

16. $20 / 4 = \square$

17. $9\overline{)54}$ $\square$

18. $3 * 7 = \square$

19. $\square \times 4 = 4$

20. $15 \div 3 = \square$

21. $4 \times \square = 16$

1. 36 **2.** 4 **3.** 32 **4.** 10 **5.** 8 **6.** 9 **7.** 18 **8.** 9 **9.** 90 **10.** 6 **11.** 30
12. 4 **13.** 7 **14.** 9 **15.** 28 **16.** 5 **17.** 6 **18.** 21 **19.** 1 **20.** 5 **21.** 4

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Name _____ Date _____

Home Check Sheet 4: 3s and 4s

3s Multiplication	3s Divisions	4s Multiplications	4s Divisions
8 × 3 = 24	9 / 3 = 3	1 × 4 = 4	40 / 4 = 10
3 • 2 = 6	21 ÷ 3 = 7	4 • 5 = 20	12 ÷ 4 = 3
3 ∗ 5 = 15	27 / 3 = 9	8 ∗ 4 = 32	24 / 4 = 6
10 × 3 = 30	3 ÷ 3 = 1	3 × 4 = 12	8 ÷ 4 = 2
3 • 3 = 9	18 / 3 = 6	4 • 6 = 24	4 / 4 = 1
3 ∗ 6 = 18	12 ÷ 3 = 4	4 ∗ 9 = 36	28 ÷ 4 = 7
7 × 3 = 21	30 / 3 = 10	10 × 4 = 40	32 / 4 = 8
3 • 9 = 27	6 ÷ 3 = 2	4 • 7 = 28	16 ÷ 4 = 4
4 ∗ 3 = 12	24 / 3 = 8	4 ∗ 4 = 16	36 / 4 = 9
3 × 1 = 3	15 / 3 = 5	2 × 4 = 8	20 / 4 = 5
3 • 4 = 12	21 ÷ 3 = 7	4 • 3 = 12	4 ÷ 4 = 1
3 ∗ 3 = 9	3 / 3 = 1	4 ∗ 2 = 8	32 / 4 = 8
3 × 10 = 30	9 ÷ 3 = 3	9 × 4 = 36	8 ÷ 4 = 2
2 • 3 = 6	27 / 3 = 9	1 • 4 = 4	16 / 4 = 4
3 ∗ 7 = 21	30 ÷ 3 = 10	4 ∗ 6 = 24	36 ÷ 4 = 9
6 × 3 = 18	18 / 3 = 6	5 × 4 = 20	12 / 4 = 3
5 • 3 = 15	6 ÷ 3 = 2	4 • 4 = 16	40 ÷ 4 = 10
3 ∗ 8 = 24	15 ÷ 3 = 5	7 ∗ 4 = 28	20 ÷ 4 = 5
9 × 3 = 27	12 / 3 = 4	8 × 4 = 32	24 / 4 = 6
2 • 3 = 6	24 ÷ 3 = 8	10 • 4 = 40	28 ÷ 4 = 7

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Name _____ Date _____

Study Plan

_____
Homework Helper

Solve each problem.

1. Colin had 16 puzzles. He gave 4 puzzles to each of his nephews. How many nephews does Colin have?

_____

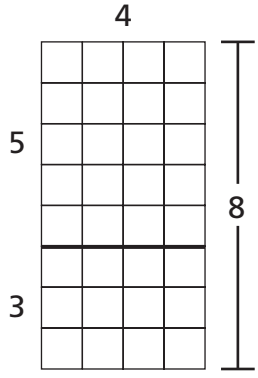
2. Allegra listed the names of her classmates in 4 columns, with 7 names in each column. How many classmates does Allegra have?

_____

This large rectangle is made up of two small rectangles.

3. Find the area of the large rectangle by finding the areas of the two small rectangles and adding them.

_____



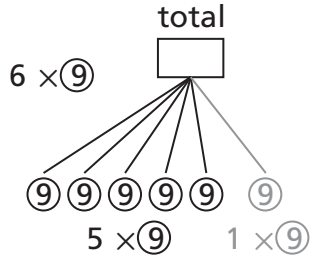
4. Find the area of the large rectangle by multiplying the number of rows by the number of square units in each row.

_____

This Equal-Shares drawing shows that 6 groups of 9 is the same as 5 groups of 9 plus 1 group of 9.

5. Find 5 × (9) and 1 × (9), and add the answers.

_____



6. Find 6 × (9). Did you get the same answer as in question 5?

_____

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Name _____ Date _____

Remembering

Multiply or divide to find the unknown numbers.

1. $18 \div 2 = \square$

2. $9 * \square = 72$

3. $\frac{40}{5} = \square$

4. $2 \bullet 7 = \square$

5. $5\overline{)30}$ (quotient: $\square$)

6. $\square \times 10 = 70$

Write an equation and solve the problem.

7. Sydney has piles of 10 sticker sheets. She has 100 sheets in all. How many piles does she have?

_____

8. Mr. Thomas gives 4 crayons to each of 8 students. How many crayons does he give out?

_____

Make a rectangle drawing to represent each multiplication. Then find the product.

9. $3 \bullet 8 = \square$

10. $2 \bullet 9 = \square$

11. Stretch Your Thinking Explain how you can solve 8×8 if you know how to multiply with 4 but not how to multiply with 8.

_____

_____

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1-13

Homework

Name _____ Date _____

Study Plan

_____

Homework Helper

Write an equation and solve the problem.

1. Pablo hung his watercolor paintings in an array with 3 rows and 4 columns. How many paintings did Pablo hang?

_____

2. A group of 7 friends went on a hiking trip. Each person took 3 granola bars. What total number of granola bars did the friends take?

_____

3. Jon had 45 sheets of construction paper. He used 9 sheets to make paper snowflakes. How many sheets does he have now?

_____

You can combine multiplications you know to find multiplications you don't know.

4. Find this product: $5 \times 8 =$ _____

5. Find this product: $1 \times 8 =$ _____

6. Use the answers to Exercises 4 and 5 to find this product: $6 \times 8 =$ _____

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Name _____ Date _____

Remembering

Write an equation and solve the problem.

1. Tamara has 3 soccer practices each week. How many practices will she have after 7 weeks?

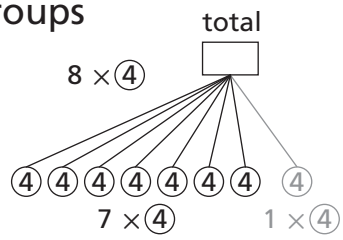
_____

2. David has 24 items to put in bags. If he puts 3 items in each bag, how many bags does he need?

_____

Solve each problem.

The Equal Shares drawing at the right shows that 8 groups of 4 is the same as 7 groups of 4 plus 1 group of 4.



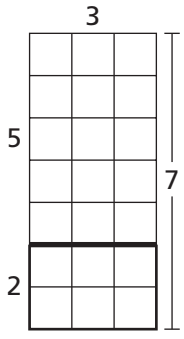
3. Find 7 × (4) and 1 × (4). Then add the answers.

_____

4. Find 8 × (4). Did you get the same answer as in exercise 3?

_____

5. Find the area of the large rectangle by finding the area of the two small rectangles and adding them.



_____

6. Find the area of the large rectangle by multiplying the number of rows by the number of squares in each row.

_____

7. **Stretch Your Thinking** Select a strategy card. Without looking at the back, write two strategies you can use to solve it. Turn it over to check.

_____

_____

_____

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Name _____ Date _____

Study Plan

_____
Homework Helper

Multiply or divide to find the unknown numbers.

1. $4 * 3 =$ _____ **2.** $4 \times$ _____ $= 28$ **3.** $27 \div 9 =$ _____

4. $30 / 5 =$ _____ **5.** $9 \bullet 9 =$ _____ **6.** $8 \times$ _____ $= 16$

7. $3 \bullet$ _____ $= 18$ **8.** $21 \div 3 =$ _____ **9.** $45 / 5 =$ _____

Write an equation and solve the problem. *Show your work.*

10. There are 4 measuring cups in a set. Mr. Lee's science class has 8 sets of measuring cups. How many cups are there altogether?

_____

11. A carousel has 40 horses. There are 4 horses in each row. How many rows are there on the carousel?

_____

12. Kevin said it is 2 weeks until his birthday. A week is 7 days. How many days is it until Kevin's birthday?

_____

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Name _____ Date _____

Remembering

1. Find this product: $3 \times 9 =$ _____
2. Find this product: $5 \times 9 =$ _____
3. Use your answers to Exercises 1 and 2 to find this product: $8 \times 9 =$ _____

Multiply or divide to find the unknown numbers.

4. $3 \bullet 6 = \square$
5. $5\overline{)40}$ (quotient: $\square$)
6. $\square \times 4 = 28$
7. $32 \div 8 = \square$
8. $5 * \square = 35$
9. $\frac{16}{4} = \square$
10. $\frac{16}{2} = \square$
11. $30 \div \square = 3$
12. $4 \times \square = 12$

Write an equation and solve the problem.

13. Lauren uses 30 beads to make 5 bracelets. She uses the same number of beads for each bracelet. How many beads are on each bracelet?

_____

14. Eric sets up chairs for a meeting in 6 rows of 9. How many chairs does he set up?

_____

15. **Stretch Your Thinking** Suppose your teacher tells you to write a word problem using the number 3. Which would be the best object to use in your problem? Explain. Then write and solve a word problem using that object.

tricycle **bike** **wagon**

_____

_____

_____

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Name _____ Date _____

	× In Order	× Mixed Up	÷ Mixed Up
1s	1 × 1 = 1	3 × 1 = 3	7 ÷ 1 = 7
	2 × 1 = 2	7 × 1 = 7	10 ÷ 1 = 10
	3 × 1 = 3	1 × 1 = 1	3 ÷ 1 = 3
	4 × 1 = 4	10 × 1 = 10	9 ÷ 1 = 9
	5 × 1 = 5	6 × 1 = 6	1 ÷ 1 = 1
	6 × 1 = 6	2 × 1 = 2	4 ÷ 1 = 4
	7 × 1 = 7	5 × 1 = 5	5 ÷ 1 = 5
	8 × 1 = 8	8 × 1 = 8	8 ÷ 1 = 8
	9 × 1 = 9	4 × 1 = 4	2 ÷ 1 = 2
	10 × 1 = 10	9 × 1 = 9	6 ÷ 1 = 6

	× In Order	× Mixed Up
0s	1 × 0 = 0	3 × 0 = 0
	2 × 0 = 0	7 × 0 = 0
	3 × 0 = 0	1 × 0 = 0
	4 × 0 = 0	10 × 0 = 0
	5 × 0 = 0	6 × 0 = 0
	6 × 0 = 0	2 × 0 = 0
	7 × 0 = 0	5 × 0 = 0
	8 × 0 = 0	8 × 0 = 0
	9 × 0 = 0	4 × 0 = 0
	10 × 0 = 0	9 × 0 = 0

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1-15

Homework

Name _____ Date _____

Multiply or divide to find the unknown numbers.
Then check your answers at the bottom of this page.

1. $4 \times 1 = \square$

2. $12 \div 3 = \square$

3. $7 * 0 = \square$

4. $0 / 5 = \square$

5. $4 \bullet \square = 8$

6. $\frac{2}{1} = \square$

7. $10 \times 1 = \square$

8. $\frac{0}{4} = \square$

9. $1 \times 0 = \square$

10. $3\overline{)9}$ $\square$

11. $10 \bullet 9 = \square$

12. $0 \div 1 = \square$

13. $3 * \square = 3$

14. $\frac{8}{1} = \square$

15. $0 \bullet 7 = \square$

16. $24 / 3 = \square$

17. $1 \div 1 = \square$

18. $10 * 2 = \square$

19. $\square \times 3 = 0$

20. $3\overline{)18}$ $\square$

21. $1 \times \square = 4$

22. $\square \times 5 = 25$

23. $6 \bullet 9 = \square$

24. $10 \div 1 = \square$

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1. 4 **2.** 4 **3.** 0 **4.** 0 **5.** 2 **6.** 2 **7.** 10 **8.** 0 **9.** 0 **10.** 3 **11.** 90 **12.** 0
13. 1 **14.** 8 **15.** 0 **16.** 8 **17.** 1 **18.** 20 **19.** 0 **20.** 6 **21.** 4 **22.** 5
23. 54 **24.** 10

1-15

Homework

Name _____ Date _____

Study Plan

_____

Homework Helper

Complete.

1. $3 \times (4 \times 2) = \square$ **2.** $(5 \times 2) \times 8 = \square$ **3.** $5 \times (0 \times 9) = \square$

4. $25 \times 1 = \square$ **5.** $3 \times 9 = 9 \times = \square = \square$ **6.** $6 \times (3 \times 2) = \square$

Write an equation and solve the problem.

7. Paul put birthday candles on his brother's cake. He arranged them in an array with 8 rows and 1 column. How many candles did he put on the cake? _____

8. There are 24 people in the brass section of the marching band. They stood in an array with 4 people in each row. How many rows were there?

_____

9. Freya doesn't like peppers, so she grew 0 peppers in her garden. She divided the peppers equally among her 4 cousins. How many peppers did each cousin get? _____

10. Cal had 6 comic books. After he gave 1 comic book to each of his cousins, he had none left. How many cousins does Cal have?

_____

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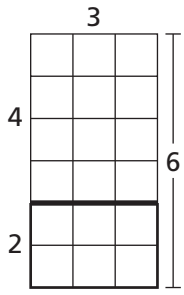
Name _____ Date _____

Remembering

Solve each problem.

1. Find the area of the large rectangle by finding the area of the two small rectangles and adding them.



_____

2. Find the area of the large rectangle by multiplying the number of rows by the number of squares units in each row.

_____

Write an equation and solve the problem.

3. Dwight has 72 pennies in a jar. He takes out 9 pennies. How many pennies are in the jar now?

_____

4. There are 3 soccer bags. Each bag has 7 soccer balls. How many soccer balls are there in all?

_____

Multiply or divide to find the unknown numbers.

5. $3\overline{)21}$ (quotient: ☐)

6. ☐ $* 10 = 80$

7. $\frac{81}{9} =$ ☐

8. $9 \times$ ☐ $= 63$

9. $2 \bullet 6 =$ ☐

10. ☐ $\div 5 = 5$

11. Stretch Your Thinking Write and solve an equation with the numbers 0 and 9. Then write an equation with the numbers 1 and 9 that has the same answer.

_____

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1-16 Homework

Name _____ Date _____

Study Plan

_____

Homework Helper

Read each problem and decide what type of problem it is. Write the letter from the list below. Then write an equation and solve the problem.

a. Array Multiplication
b. Array Division
c. Equal Groups Multiplication
d. Equal Groups Division with an Unknown Group Size
e. Equal Groups Division with an Unknown Multiplier (number of groups)

1. A farmer collected eggs from the henhouse. He can put 36 eggs in a carton. A carton will hold 6 eggs in a row. How many rows does the egg carton have?

_____

2. The Watertown science contest allowed teams of 5 students to compete. If 45 students entered the contest, how many teams competed?

_____

3. The Happy Feet Shoe Store is having a sale. 10 pairs of shoes are displayed on each row of the sale rack. If the rack has 8 rows, how many pairs of shoes are on sale?

_____

4. Una has 5 goldfish. She bought 2 small water plants for each goldfish. How many plants did she buy?

_____

5. Yolanda made 16 barrettes. She divided the barrettes equally among her 4 friends. How many barrettes did each friend get?

_____

6. Carson has 12 baseball cards to give away. If he gives 3 cards to each friend, how many friends can he give cards to?

_____

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Name _____ Date _____

Remembering

You can combine multiplications you know to find multiplications you don't know.

1. Find this product: $3 \times 7 =$ _____
2. Find this product: $4 \times 7 =$ _____
3. Use the answers to Exercises 1 and 2 to find this product: $7 \times 7 =$ _____

Write an equation and solve the problem. *Show your work.*

4. Susan buys 9 packages of cups. There are 8 cups in each package. How many cups does she buy altogether?

_____

5. The football team has 30 players. The players line up to exercise with 5 in each row. How many rows are there?

_____

6. Bill scored 63 points on his video game. He gets 9 points for each level he completes. How many levels did he complete?

_____

Complete.

7. $4 \times (5 \times 1) = \square$ **8.** $6 \times 9 = 9 \times \square = \square$ **9.** $(10 \times 1) \times 7 = \square$

10. $9 \times (5 \times 0) = \square$ **11.** $26 \times 1 = \square$ **12.** $5 \times (3 \times 3) = \square$

13. **Stretch Your Thinking** Write a word problem using $24 \div 3$. Then solve your problem.

_____

_____

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Name _____ Date _____

Home Check Sheet 5: 1s and 0s

1s Multiplications	1s Divisions	0s Multiplications
1 × 4 = 4	10 / 1 = 10	4 × 0 = 0
5 • 1 = 5	5 ÷ 1 = 5	2 • 0 = 0
7 * 1 = 7	7 / 1 = 7	0 * 8 = 0
1 × 8 = 8	9 ÷ 1 = 9	0 × 5 = 0
1 • 6 = 6	3 / 1 = 3	6 • 0 = 0
10 * 1 = 10	10 ÷ 1 = 10	0 * 7 = 0
1 × 9 = 9	2 / 1 = 2	0 × 2 = 0
3 • 1 = 3	8 ÷ 1 = 8	0 • 9 = 0
1 * 2 = 2	6 / 1 = 6	10 * 0 = 0
1 × 1 = 1	9 / 1 = 9	1 × 0 = 0
8 • 1 = 8	1 ÷ 1 = 1	0 • 6 = 0
1 * 7 = 7	5 / 1 = 5	9 * 0 = 0
1 × 5 = 5	3 ÷ 1 = 3	0 × 4 = 0
6 • 1 = 6	4 / 1 = 4	3 • 0 = 0
1 * 1 = 1	2 ÷ 1 = 2	0 * 3 = 0
1 × 10 = 10	8 / 1 = 8	8 × 0 = 0
9 • 1 = 9	4 ÷ 1 = 4	0 • 10 = 0
4 * 1 = 4	7 ÷ 1 = 7	0 * 1 = 0
2 × 1 = 2	1 / 1 = 1	5 × 0 = 0
1 • 3 = 3	6 ÷ 1 = 6	7 • 0 = 0

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1-17

Homework

Name _____ Date _____

Home Check Sheet 6: Mixed 3s, 4s, 0s, and 1s

3s, 4s, 0s, 1s Multiplications	3s, 4s, 0s, 1s Multiplications	3s, 4s, 1s Divisions	3s, 4s, 1s Divisions
5 × 3 = 15	0 × 5 = 0	18 / 3 = 6	4 / 1 = 4
6 • 4 = 24	10 • 1 = 10	20 ÷ 4 = 5	21 ÷ 3 = 7
9 ∗ 0 = 0	6 ∗ 3 = 18	1 / 1 = 1	16 / 4 = 4
7 × 1 = 7	2 × 4 = 8	21 ÷ 3 = 7	9 ÷ 1 = 9
3 • 3 = 9	5 • 0 = 0	12 / 4 = 3	15 / 3 = 5
4 ∗ 7 = 28	1 ∗ 2 = 2	5 ÷ 1 = 5	8 ÷ 4 = 2
0 × 10 = 0	10 × 3 = 30	15 / 3 = 5	5 / 1 = 5
1 • 6 = 6	5 • 4 = 20	24 ÷ 4 = 6	30 ÷ 3 = 10
3 ∗ 4 = 12	0 ∗ 8 = 0	7 / 1 = 7	12 / 4 = 3
5 × 4 = 20	6 × 3 = 18	12 / 3 = 4	8 / 1 = 8
0 • 5 = 0	10 • 3 = 30	36 ÷ 4 = 9	27 ÷ 3 = 9
9 ∗ 1 = 9	9 ∗ 4 = 36	6 / 1 = 6	40 / 4 = 10
2 × 3 = 6	1 × 0 = 0	12 ÷ 3 = 4	4 ÷ 1 = 4
3 • 4 = 12	1 • 6 = 6	16 / 4 = 4	9 / 3 = 3
0 ∗ 9 = 0	3 ∗ 6 = 18	7 ÷ 1 = 7	16 ÷ 4 = 4
1 × 5 = 5	7 × 4 = 28	9 / 3 = 3	10 / 1 = 10
2 • 3 = 6	6 • 0 = 0	8 ÷ 4 = 2	9 ÷ 3 = 3
4 ∗ 4 = 16	8 ∗ 1 = 8	2 ÷ 1 = 2	20 ÷ 4 = 5
9 × 0 = 0	3 × 9 = 27	6 / 3 = 2	6 / 1 = 6
1 • 1 = 1	1 • 4 = 4	32 ÷ 4 = 8	24 ÷ 3 = 8

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1-17

Homework

Name _____ Date _____

Study Plan

_____

Homework Helper

Write an equation and solve the problem. *Show your work.*

1. Wendy gave 54 apples to her neighbors. She gave away a total of 6 bags of apples. She put the same number of apples in each bag. How many apples were in each bag?

_____

2. Dillon had a box of 45 toy trucks. He gave the trucks to his brother but kept 9 trucks for himself. How many trucks did Dillon give to his brother?

_____

3. Melissa put 18 stickers in her new sticker album. She put them in 6 rows. She put the same number of stickers in each row. How many stickers did she put in each row?

_____

4. Yan took photographs at the zoo. He took 5 photos in each of the 6 animal houses. How many photos did he take?

_____

5. Janie stacked some books at the library. She stacked 6 books each in 7 different piles. How many books were in the piles?

_____

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Name _____ Date _____

Remembering

Multiply or divide to find the unknown numbers.

1. $\frac{72}{9} = \square$ **2.** $2 * \square = 14$ **3.** $40 \div 10 = \square$

Write an equation and solve the problem.

4. Brian has 0 crackers on his plate and divides them among his 5 friends. How many crackers does each friend get?

_____

Read each problem and decide what type of problem it is. Write the letter from the list below. Then write an equation and solve the problem.

a. Array Multiplication
b. Array Division
c. Equal Groups of Multiplication
d. Equal Groups Division with Unknown Group Size
e. Equal Groups Division with an Unknown Multiplier (number of groups)

5. Tiffany is in the bike shop. She counts 27 wheels on all of the tricycles. How many tricycles are in the bike shop?

_____

6. John buys 4 bags of apples. There are 6 apples in each bag. How many apples does John buy?

_____

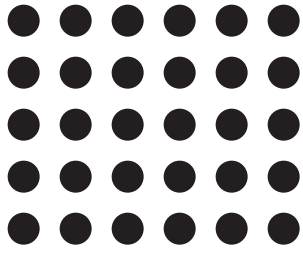
7. Stretch Your Thinking Write a word problem that can be solved using the array shown.

_____

_____

_____

_____



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1-18

Homework

Name _____ Date _____

Study Plan

_____

Homework Helper

Write an equation and solve the problem.

1. Maili rode her bike 10 miles every day for 5 days. How many miles did she ride?

_____

2. Leslie gave 72 balloons to children at the fair. After the fair, she had 9 balloons left. How many balloons did Leslie start with?

_____

3. Tony hung some photographs on one wall in his room. He hung them in 3 rows, with 4 photos in each row. How many photos did Tony hang?

_____

4. Pepe sent 15 gifts to his family members. He sent an equal amount of gifts to 3 different addresses. How many gifts did he send to each address?

_____

5. At the Shady Acres Stables, there are 5 horses in each barn. There are 4 barns. How many horses are at Shady Acres?

_____

6. Sixty students are in the marching band. There are 10 rows of students. How many students are in each row?

_____

7. Danielle has 35 dolls in her collection. She wants to display them on 5 shelves with the same number of dolls on each shelf. How many dolls should she put on each shelf?

_____

8. There are 9 players on a baseball team. There are 6 teams in the league. How many baseball players are in the league?

_____

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Name _____ Date _____

Remembering

Complete.

1. $5 \times (2 \times 4) = \square$ **2.** $24 \times 1 = \square$ **3.** $(9 \times 1) \times 5 = \square$

Read each problem and decide what type of problem it is. Write the letter from the list below. Then write an equation and solve the problem.

a. Array Multiplication
b. Array Division
c. Equal Groups of Multiplication
d. Equal Groups Division with Unknown Group Size
e. Equal Groups Division with an Unknown Multiplier (number of groups)

4. Mrs. Patel puts away the crayons. The box holds 63 crayons. She puts 9 in each row. How many rows does the box have?

_____

5. Jackson is planting a garden. He puts 10 corn seeds in a row. If he plants 5 rows of corn seeds, how many corn seeds does he plant?

_____

Write an equation and solve the problem. *Show your work.*

6. The team has 32 baseball bats in bags. There are 4 bags of bats. Each bag has the same number of bats. How many bats are in each bag?

_____

7. Stretch Your Thinking Each of 5 children is holding up 10 fingers. Explain 3 different ways to find how many fingers are being held up.

_____

_____

_____

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1-19

Homework

Name _____ Date _____

Find the number.

1. I am 5 more than 6 times 10. What number am I? _____

2. I am 3 less than 8 times 4. What number am I? _____

3. 7 times a number is 21. What is the number? _____

4. 9 times a number is 18. What is the number? _____

5. Use the chart to complete the pictograph.

What is your hobby?

Hobby	Number of Students
Coin Collecting	12
Playing Sports	36
Playing Music	20
Taking Care of Pets	24

Hobbies

Coin Collecting	
Playing Sports	
Playing Music	
Taking Care of Pets	

Each = 4 third graders

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Name _____ Date _____

Remembering

Read each problem and decide what type of problem it is. Write the letter from the list below. Then write an equation and solve the problem.

a. Array Multiplication
b. Array Division
c. Equal Groups of Multiplication
d. Equal Groups Division with Unknown Group Size
e. Equal Groups Division with an Unknown Multiplier (number of groups)

1. There are 40 toys in 5 boxes. Each box has the same number of toys. How many toys are in each box?

_____

2. Sangeeta has two dogs. She buys 2 collars for each of her dogs. How many collars does she buy?

_____

Write an equation and solve the problem. *Show your work.*

3. Darci puts 15 tulips in 5 vases. If she puts the same number of tulips in each vase, how many tulips will be in each vase?

_____

4. Miss Lin has 5 baskets. She puts 4 pears in each basket. How many pears are in the baskets?

_____

5. Steven receives an order for 80 flash drives. He puts the same number of flash drives in 10 boxes. How many flash drives are in each box?

_____

6. Stretch Your Thinking Solve the riddle. I am 6 more than 2 times 9. What number am I? Now make up your own riddle for the number 68.

_____

_____

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