

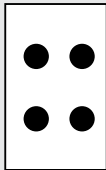
LESSON 10: Fact Masters - Division

Warm-Up

**Directions:** Complete each problem.

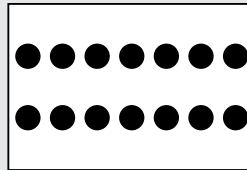
What multiplication facts do the following arrays represent?

1.



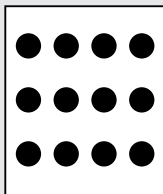
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2.



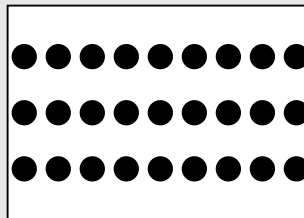
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3.



\_\_\_\_\_

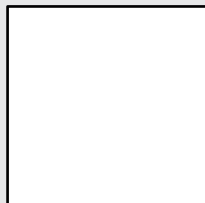
4.



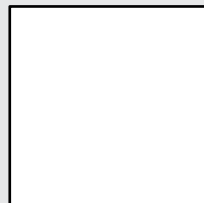
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Draw arrays to represent the following multiplication facts.

5.  $1 \cdot 4$



6.  $4 \cdot 3$



LESSON 10: Fact Masters - Division

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**Directions:** Complete the following SOLVE problem with your teacher. You will only complete the S step.

Mario collects football cards. He has 72 cards in his collection. He purchases 1 or 2 cards every time he receives his allowance. He wants to share his collection equally with 7 of his friends. How many football cards will Mario and his friends each have?

**S** Underline the question.  
This problem is asking me to find

\_\_\_\_\_.

**Recording Sheet 1**

**Directions:** Complete the recording sheet below with your teacher and partner.

\_\_\_\_\_

LESSON 10: Fact Masters - Division

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**Recording Sheet 2**

**Directions:** Complete the recording sheet below with your teacher and partner.

\_\_\_\_\_

\_\_\_\_\_ total item(s) with \_\_\_\_\_ item(s) in each group = \_\_\_\_\_ group(s)

\_\_\_\_\_ total item(s) with \_\_\_\_\_ item(s) in each group = \_\_\_\_\_ group(s)

\_\_\_\_\_ total item(s) with \_\_\_\_\_ item(s) in each group = \_\_\_\_\_ group(s)

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\_\_\_\_\_ total item(s) with \_\_\_\_\_ item(s) in each group = \_\_\_\_\_ group(s)

LESSON 10: Fact Masters - Division

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**Recording Sheet 3**

**Directions:** Complete the recording sheet below with your teacher and partner.

\_\_\_\_\_

\_\_\_\_\_ total item(s) ÷ \_\_\_\_\_ item(s) = \_\_\_\_\_ group(s)

\_\_\_\_\_ total item(s) ÷ \_\_\_\_\_ item(s) = \_\_\_\_\_ group(s)

\_\_\_\_\_ total item(s) ÷ \_\_\_\_\_ item(s) = \_\_\_\_\_ group(s)

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LESSON 10: Fact Masters - Division

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**Directions:** Complete the following SOLVE problem with your teacher.

Mario collects football cards. He has 72 cards in his collection. He purchases 1 or 2 cards every time he receives his allowance. He wants to share his collection equally with 7 of his friends. How many football cards will Mario and his friends each have?

**S** Underline the question.

This problem is asking me to find

**O** Identify the facts.

Eliminate the unnecessary facts.

List the necessary facts.

**L** Choose an operation or operations.

Write in words what your plan of action will be.

**V** Estimate your answer.

Carry out your plan.

**E** Does your answer make sense? (Compare your answer to the question.)

Is your answer reasonable? (Compare your answer to the estimate.)

Is your answer accurate? (Check your work.)

Write your answer in a complete sentence.

LESSON 10: Fact Masters - Division

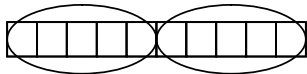
**Homework**

Name \_\_\_\_\_

Date \_\_\_\_\_

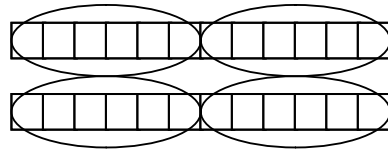
**Directions:** Write a division fact for each of the following pictures.

1.



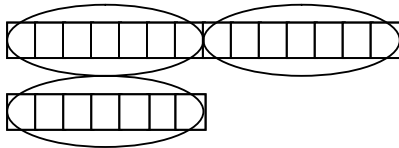
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2.



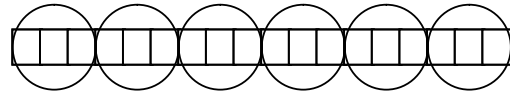
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3.



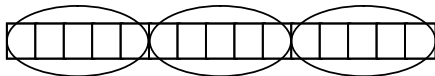
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4.



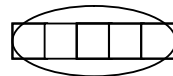
\_\_\_\_\_

5.



\_\_\_\_\_

6.



\_\_\_\_\_

**Directions:** Draw pictures to show the following division facts.

7.  $25 \div 5$

8.  $9 \div 3$

9.  $16 \div 4$

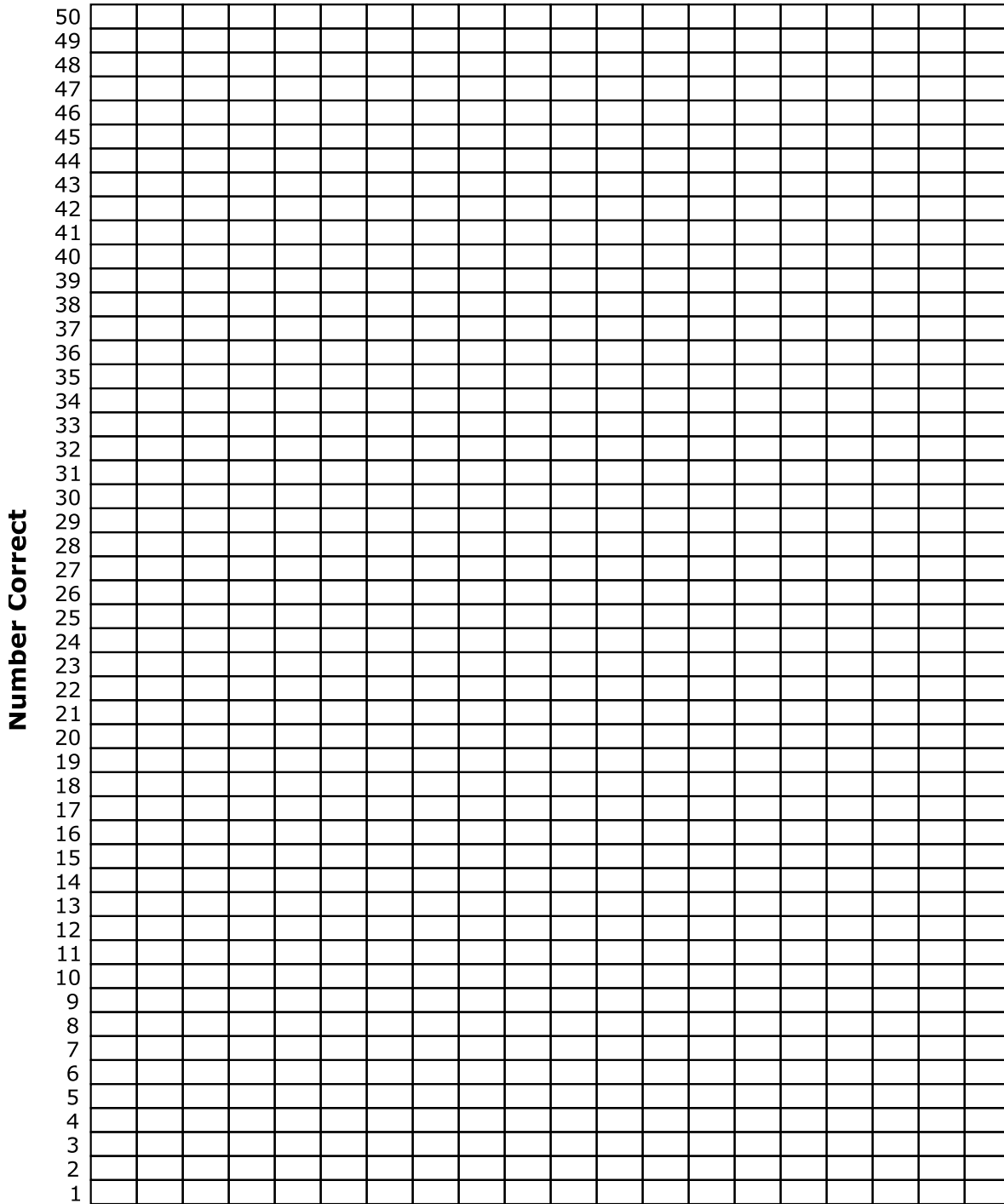
10.  $42 \div 7$

LESSON 10: Fact Masters - Division

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**Directions:** Follow your teacher’s directions to complete this graph.

**Fact Masters Quiz**





LESSON 10: Fact Masters - Division

**Directions:** Follow your teacher’s directions to complete the grid below.

**Grid for Basic Division Facts**

		Quotient								
		1	2	3	4	5	<u>6</u>	7	8	<u>9</u>
Divisor	1	1	2	3	4	5	<u>6</u>	7	8	<u>9</u>
	2	2	4	<u>6</u>	8	10	12	14	16	18
	3	3	<u>6</u>	<u>9</u>	12	15	18	21	24	27
	4	4	8	12	16	20	24	28	32	36
	5	5	10	15	20	25	30	35	40	45
	6	<u>6</u>	12	18	24	30	36	42	48	54
	7	7	14	21	28	35	42	49	56	63
	8	8	16	24	32	40	48	56	64	72
	9	<u>9</u>	18	27	36	45	54	63	72	81