

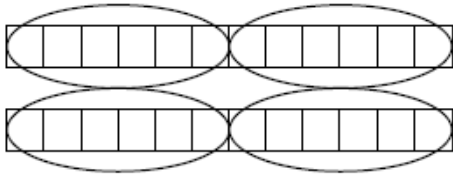
Name \_\_\_\_\_

Date \_\_\_\_\_

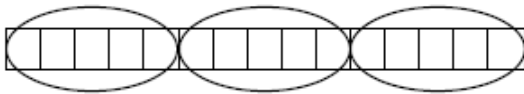
## Grade 3: Module 5 - Fact Masters - Division - Form A

## Part 1

1. What division fact does the picture below show?



- A.  $6 \div 24$
- B.  $24 \div 6$
- C.  $4 \div 24$
- D.  $30 \div 6$
2. There are 32 students in Ms. Anderson's math class. If she divides them into 4 equal groups, how many students are in each group?
- A. 4
- B. 8
- C. 28
- D. 32
3. What division fact does the picture below show?

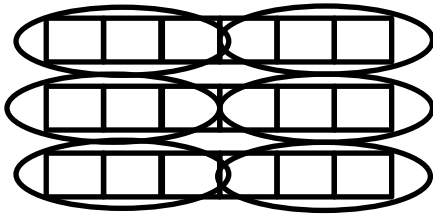


- A.  $15 \div 5$
- B.  $5 \div 3$
- C.  $3 \div 15$
- D.  $20 \div 5$

Name \_\_\_\_\_

Date \_\_\_\_\_

4. Which expression is represented by the model shown below?

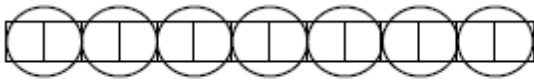


- A.  $6 \div 3$
- B.  $6 - 3$
- C.  $18 \times 3$
- D.  $18 \div 3$
5. Mr. Rossey is taking his class on a field trip. He has 30 students in his class. They are taking lunches from the cafeteria with sandwiches, fruit and juice. If there are 6 juice boxes in a pack, how many packs will he need to take for 30 students?
- A. 5
- B. 6
- C. 24
- D. 36
6. There are 56 chairs in the cafeteria. Each round table has 8 chairs. How many tables are in the cafeteria?
- A. 7
- B. 8
- C. 56
- D. 64

Name \_\_\_\_\_

Date \_\_\_\_\_

7. What division fact is represented by the model below?



- A.  $14 \times 2$
  - B.  $14 - 2$
  - C.  $14 \div 2$
  - D.  $7 \div 2$
8. Select the division fact that is correct.
- A.  $16 \div 4 = 7$
  - B.  $18 \div 2 = 8$
  - C.  $20 \div 2 = 8$
  - D.  $21 \div 3 = 7$
9. Select the division fact that is correct.
- A.  $25 \div 4 = 5$
  - B.  $30 \div 5 = 6$
  - C.  $32 \div 6 = 7$
  - D.  $12 \div 3 = 5$
10. Select the division fact that is correct.
- A.  $15 \div 10 = 5$
  - B.  $16 \div 4 = 3$
  - C.  $14 \div 2 = 8$
  - D.  $25 \div 5 = 5$

Name \_\_\_\_\_

Date\_\_\_\_\_

11. Select the division fact that is correct.

A.  $18 \div 3 = 7$

B.  $21 \div 4 = 6$

C.  $24 \div 6 = 4$

D.  $28 \div 7 = 5$

12. There is an array of dots that shows 36 total dots in rows of 9. How many rows are in the array?

A. 4

B. 18

C. 36

D. 243

13. There is an array of dots that shows 42 total dots in rows of 7. How many rows are in the array?

A. 294

B. 49

C. 35

D. 6

Name \_\_\_\_\_

Date\_\_\_\_\_

**Part 2**

14. There are 36 blocks, divided equally into 6 groups. How many blocks make up each group?

Use the space below to draw an array of the blocks.

*Show your work.*

**Answer** \_\_\_\_\_ blocks

Name \_\_\_\_\_

Date\_\_\_\_\_

15. Draw an array to represent  $28 \div 4$ . Write the words this expression represents.

*Show your work.*

*Answer* \_\_\_\_\_

Name \_\_\_\_\_

Date\_\_\_\_\_

**Part 3**

16. Explain how you can use what you know about multiplication to find the answer to the division problem below.

$$48 \div 6 = \underline{\quad}$$

---

---

---

---

---

---

**Answer** \_\_\_\_\_

Name \_\_\_\_\_

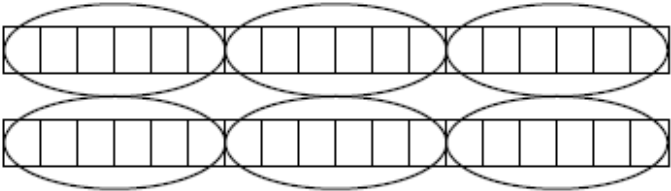
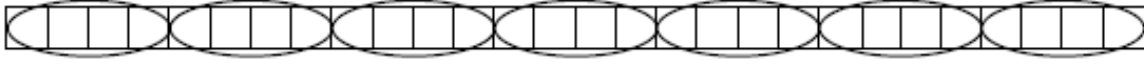
Date \_\_\_\_\_

Answer Key for Grade 3 Module 5 Assessment - Form A			
Question Number	Standard	Answer	Reasons for Answers
1	3.OA.A.2	B	A. Divided the items by the total items C. Divided the groups by the total items D. Miscounted the total items as 30 instead of 24
2	3.OA.A.2	B	A. The value of the number of groups (4) C. Subtracted the two values given in the problem ( $32 - 4 = 28$ ) D. The value of the number of students in the math class (32)
3	3.OA.A.2	A	B. Divided items by groups C. Divided groups by total items D. Miscounted the total items as 20 instead of 15
4	3.OA.A.2	D	A. Divided number of groups by items in one group B. Subtracted number of items in one group from the number of groups C. Multiplied total items by items in one group
5	3.OA.A.2	A	B. The number of juice boxes in each pack C. Subtracted the values in the problem ( $30 - 6 = 24$ ) D. Added the values in the problem ( $30 + 6 = 36$ )
6	3.OA.A.2	A	B. The number of chairs at each table C. The number of chairs in the cafeteria D. Added the number of chairs in the cafeteria and the number of chairs at each table ( $56 + 8 = 64$ )
7	3.OA.A.2	C	A. Multiplied the total items by the items in each group B. Subtracted the items in each group from the total items D. Divided the groups by the items in each group
8	3.OA.C.7	D	A. Divided incorrectly because $16 \div 4 \neq 7$ B. Divided incorrectly because $18 \div 2 \neq 8$ C. Divided incorrectly because $20 \div 2 \neq 8$
9	3.OA.C.7	B	A. Divided incorrectly because $25 \div 4 \neq 5$ C. Divided incorrectly because $32 \div 6 \neq 7$ D. Divided incorrectly because $12 \div 3 \neq 5$
10	3.OA.C.7	D	A. Divided incorrectly because $15 \div 10 \neq 5$ B. Divided incorrectly because $16 \div 4 \neq 3$ C. Divided incorrectly because $14 \div 2 \neq 8$
11	3.OA.C.7	C	A. Divided incorrectly because $18 \div 3 \neq 7$ B. Divided incorrectly because $21 \div 4 \neq 6$ D. Divided incorrectly because $28 \div 7 \neq 5$
12	3.OA.C.7	A	B. Subtracted the values instead of dividing ( $36 - 9 = 27$ ) C. Added the values instead of dividing ( $36 + 9 = 45$ ) D. Multiplied the values instead of dividing ( $36 \times 9 = 324$ )
13	3.OA.C.7	D	A. Multiplied the values instead of dividing ( $42 \times 7 = 294$ ) B. Added the values instead of dividing ( $42 + 7 = 49$ ) C. Subtracted the values instead of dividing ( $42 - 7 = 35$ )
**Teacher Note: Sample responses are shown below.			



Name \_\_\_\_\_

Date \_\_\_\_\_

14	3.OA.C.2	See below
 <p><math>36 \div 6 = 6</math> Each group has 6 blocks</p>		
15	3.OA.A.2	See below
<p><math>28 \div 4</math> How many groups of 4 items are in 28? There are 7 groups of 4 items in 28.</p> 		
16	3.OA.A.7	See below
<p>Multiplication and division are opposite operations. If I know the multiplication facts with 6, then I know that 6 times 8 is 48. If I know that multiplication fact, then I know that 8 groups of 6 items is equal to 48 total items. This means that 48 total items can be divided into 8 groups of 6 items. So <math>48 \div 6 = 8</math></p>		