

4th Grade Unit 1: Division (Form A)

Name _____

Date _____

Standards:

16.NBT.6 find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models

2.OA.2 solve multiplication and division word problems involving multiplicative comparison using drawings and equations (e.g., by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison)**

3.OA.3 solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding

1. Which division fact has a quotient of 5?

- a. $12 \div 4$
- b. $45 \div 9$
- c. $36 \div 6$
- d. $10 \div 5$

2. Find the missing factor:

$$8 \times \square = 288$$

- a. 32
- b. 36
- c. 280
- d. 296

3. Which is the missing number?

$$24 \div 4 = 6$$

$$240 \div 4 = 60$$

$$2,400 \div 4 = 600$$

$$24,000 \div 4 = \square$$

- a. 60
- b. 600
- c. 6,000
- d. 60,000

4. Which is the same as $34 \times 3 + 2 = 104$?

- a. $104 \div 3 = 34$
- b. $104 \div 2 = 34 + 3$ left over
- c. $104 \div 3 = 34 + 2$ left over
- d. $104 \div 2 = 3 + 34$ left over

5. A new sweater costs \$36. The sweater costs 4 times more than a t-shirt. How much does a t-shirt cost? Use the variables s and t to write a number sentence and solve.

6. $274 \times 7 = 1,918$ is the opposite of

$$1,918 \div \underline{\quad} = \underline{\quad}.$$

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7. Mrs. Taylor has a total of 27 desks in her classroom. That is 3 times the number of desks in each row. Draw an array that illustrates this division fact.

8. Maria paid \$157 for 8 pairs of jeans. About how much did each pair of jeans cost?
- a. \$20
 - b. \$30
 - c. \$40
 - d. \$50

9. Find the quotient.
 $5,000 \div 10 =$
- a. 5
 - b. 50
 - c. 500
 - d. 5,000

10. Mill Elementary has 3 times as many students as Hall Elementary. If Mill has 882 students, about how many students attend Hall?
- a. 300
 - b. 900
 - c. 2,400
 - d. 2,700

11. Draw an area model of the division problem $36 \div 4$. A rectangle has been drawn below for you to use.



12. How many tents are needed for 39 boys and 12 scout leaders if 8 people can sleep in each tent?

13. Jorge estimates that there are 1,200 students in his school. If Jorge's estimate is correct, which number could **NOT** be the exact number of students in his school?
- a. 1,299
 - b. 1,159
 - c. 1,249
 - d. 1,199

14. Which equation means 72 is 8 times as many as 9?
- a. $72 = 8 + 9$
 - b. $72 = 9 - 8$
 - c. $72 = 8 \times 9$
 - d. $72 = 9 \div 8$

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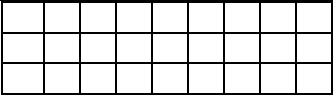
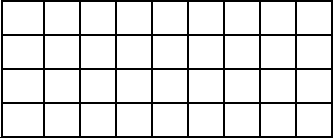
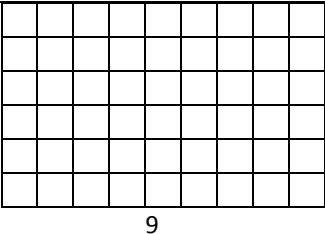
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|---|--|
| <p>15. Twenty-seven students and 45 adults attended the Awards Ceremony at Atlantic Elementary. The adults and students sat at nine tables.</p> <p>a. How many chairs were needed at each table?</p> <p>b. If an equal number of adults sat at each table, how many adults and how many students would sit at each table?</p> | <p>16. Ms. Garcia's class won a free Super Sub for selling the most Subway coupon booklets. The Super Sub was 105 inches long. If Ms. Garcia cut the sub into 4-inch pieces, did she have enough for all 27 students? Explain your answer.</p> |
| <p>17. Which statement is true?</p> <p>a. $9,281 > 9,281$</p> <p>b. $5,271 < 5,721$</p> <p>c. $3,298 = 3,288$</p> <p>d. $8,542 < 8,245$</p> | <p>18. Dave is saving to buy a game system that costs \$280. He saved three times more money in May than in April. In April, he saved \$69. How much did Dave save in May?</p> |
| <p>19. A real estate agent had \$83 to spend on newspaper ads. Each ad cost \$6. After buying as many ads as she could afford, how much money did the real estate agent have left over?</p> <p>a. \$14 c. \$6</p> <p>b. \$13 d. \$5</p> | <p>20. Jonathan placed his 54 racecars in nine cases. Each case had the same number of cars. How many cars are in each case? <i>Draw and label an array to show the answer.</i></p> |

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<p>1. a. $12 \div 4$ b. $45 \div 9$ c. $36 \div 6$ d. $10 \div 5$</p>	<p>2. a. 32 b. 36 c. 302 d. 360</p>
<p>3. a. 80 b. 800 c. 8,000 d. 80,000</p>	<p>4. a. $104 \div 3 = 34$ b. $104 \div 2 = 34 + 3$ left over c. $104 \div 3 = 34 + 2$ left over d. $104 \div 2 = 3 + 34$ left over</p>
<p>5. $s = 4 \times t$ $36 = 4 \times t$ $t = \\$9$</p>	<p>6. $1,918 \div 7 = 274$ or $1,918 \div 274 = 7$</p>
<p>7. </p>	<p>8. a. \$20 b. \$30 c. \$40 d. \$50</p>
<p>9. a. 5 b. 50 c. 500 d. 5,000</p>	<p>10. a. 300 b. 900 c. 2,400 d. 2,700</p>
<p>11. 9  4</p>	<p>12. 7 tents are needed because an extra tent is needed for the remainder of 3.</p>
<p>13. a. 1,299 c. 1,249 b. 1,159 d. 1,199</p>	<p>14. a. $72 = 8 + 9$ b. $72 = 9 - 8$ c. $72 = 8 \times 9$ d. $72 = 9 \div 8$</p>
<p>15. a. 8 chairs will be needed b. 5 adults and 3 students will sit at each table.</p>	<p>16. No, Ms. Garcia had enough for only 26 students</p>
<p>17. a. $9,281 > 9,281$ b. $5,271 < 5,721$ c. $3,298 = 3,288$ d. $8,542 < 8,245$</p>	<p>18. Dave saved \$207 in May.</p>
<p>19. a. \$14 c. \$6 b. \$13 d. \$5</p>	<p>20. </p>