Name _____

Unit 2 Assessment

Vocabulary

Choose the best term from the box.

Vocabulary
array
equal groups
equation
Identity Property of Multiplication
product
Zero Property of Multiplication

1. An equation is a number sentence that uses the equal sign to show that two numbers are equal. (p. 320)

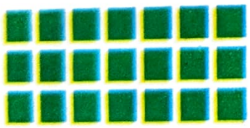
2. Equal groups have the same number of objects in each group. (p. 173)

3. When you place the same number of tiles in each row, you make an array. (p. 191)

4. The Zero Property of multiplication states that the product of zero and any number is zero. (p. 204)

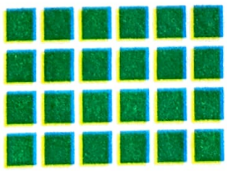
Concepts and Skills

Write a division equation for the model. Then write a related multiplication sentence. TEKS 3.4.F, 3.4.J, 3.4.K, 3.5.B

5. 

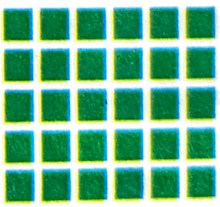
21 ÷ 3 = 7

3 × 7 = 21

6. 

24 ÷ 4 = 6

4 × 6 = 24

7. 

30 ÷ 5 = 6

5 × 6 = 30

Use properties to group the factors another way. Then find the product. TEKS 3.4.G

8. $3 \times (3 \times 30)$

$(3 \times 3) \times 30$

270

9. $(40 \times 2) \times 2$

$40 \times (2 \times 2)$

160

10. $3 \times (50 \times 1)$

$(3 \times 1) \times 50$

150

11. $(60 \times 3) \times 2$

$60 \times (3 \times 2)$

360

Fill in the bubble for the correct answer choice.
Use strategies you have learned to solve problems.

TEXAS Test Prep

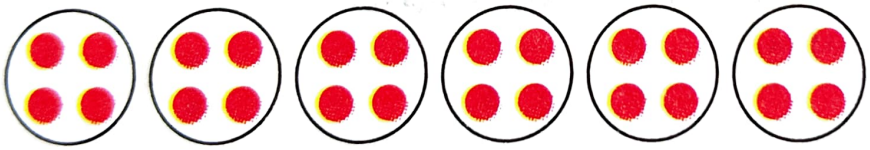
12. Vienna buys 6 boxes of crayons. If there are 8 crayons in each box, how many crayons does she have?
TEKS 3.4.E, 3.4.K

(A) 48
(B) 14
(C) 32
(D) 12

13. The school center prints a newsletter that uses 6 pieces of paper. How many pieces of paper are needed to print 75 copies of the newsletter? TEKS 3.4.G

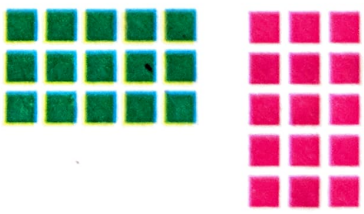
(A) 420
(B) 450
(C) 285
(D) 300

14. Morgan has 6 toy cars. Each car has 4 wheels. How many wheels do the cars have in all? TEKS 3.4.E, 3.4.K



(A) 2
(B) 10
(C) 24
(D) 12

15. James made 2 arrays to show the Commutative Property of Multiplication. Which is a multiplication sentence for each array. TEKS 3.4.E, 3.4.K, 3.5.B



(A) $3 \times 5 = 15; 5 \times 3 = 15$
(B) $15 - 5 = 10; 15 - 3 = 12$
(C) $2 \times 3 = 6; 3 \times 2 = 6$
(D) $4 \times 3 = 12; 3 \times 4 = 12$

Fill in the bubble for the correct answer choice.
Use strategies you have learned to solve problems.

TEXAS Test Prep

16. Aidan bought 18 goldfish and 3 fish bowls. He put an equal number of fish in each fishbowl. Which equation can be used to find how many goldfish are in each fishbowl? TEKS 3.4.H, 3.4.K, 3.5.B

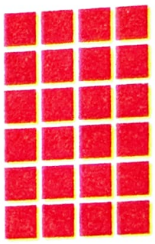
Ⓐ $18 - 3 = \blacksquare$

Ⓑ $3 + \blacksquare = 18$

Ⓒ $18 \div 3 = \blacksquare$

Ⓓ $3 \times 18 = \blacksquare$

17. James made an array with 6 rows of 4 blocks. Which number sentence shows one way to break apart his array to find the product? TEKS 3.4.K, 3.5.B



Ⓐ $6 \times 4 = (6 \times 4) + (6 \times 4)$

Ⓑ $6 \times 4 = (6 \times 2) + (6 \times 2)$

Ⓒ $6 \times 4 = (6 + 2) + (6 + 2)$

Ⓓ $6 \times 4 = (3 \times 2) + (3 \times 2)$

18. Derek has 6 dogs. Each dog gets 3 dog biscuits every day. How many biscuits will Dexter need for all of his dogs for Saturday and Sunday? TEKS 3.4.K

Ⓐ 18

Ⓑ 8

Ⓒ 16

Ⓓ 36

19. Which of the following multiplication equations can be used to find $63 \div 7$? TEKS 3.4.F, 3.4.J, 3.4.K, 3.5.B

Ⓐ $7 \times 7 = 49$

Ⓑ $6 \times 7 = 42$

Ⓒ $7 \times 9 = 63$

Ⓓ $7 \times 5 = 35$