

LEVEL



# NUMBER WORLDS<sup>®</sup>

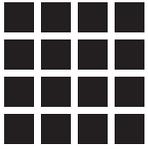
Accelerate Math Success

## Assessment

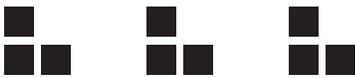
# Unit Pretest

Circle the letter of the correct answer.

1. Which answer matches this figure?



- A 5 rows of 4 cubes
  - B 4 rows of 5 cubes
  - C 2 rows of 10 cubes
  - D 4 rows of 4 cubes
2. Which addition sentence matches this figure?

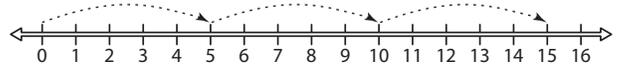


- A  $14 - 2 = 12$
  - B  $4 + 4 + 4 = 12$
  - C  $3 + 3 + 3 = 9$
  - D  $4 + 4 + 4 + 4 - 4 = 12$
3. Which number sentence matches this problem?

Wei's father has 4 discs. Each disc has 8 songs. How many songs are there in all?

- A  $4 + 8 = 12$
- C  $4 \times 8 = 32$
- B  $8 \times 2 = 16$
- D  $8 \div 4 = 2$

4. Which number sentence matches this number line?



- A  $10 + 5 = 15$
  - B  $3 \times 5 = 15$
  - C  $5 + 10 + 15 = 30$
  - D  $20 - 5 = 15$
5. Which multiplication sentence matches the dot pattern?



- A  $3 \times 6 = 18$
  - B  $3 \times 9 = 27$
  - C  $7 \times 2 = 14$
  - D  $3 \times 7 = 21$
6. Which answer is the same as  $4 \times 2 \times 5$ ?

- A  $6 \times 5$
- C  $5 \times 4 \times 2$
- B  $3 \times 3 \times 5$
- D  $8 \times 10$

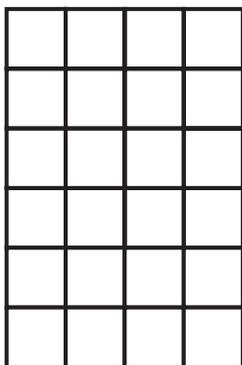
Name \_\_\_\_\_ Date \_\_\_\_\_

Circle the letter of the correct answer.

7. What is the product in the problem  $7 \times 8 = 56$ ?

- A 56                      C 8  
B 7                         D 15

8. Which multiplication problem matches this array?



- A  $24 \times 2 = 48$   
B  $4 \times 4 = 16$   
C  $4 \times 6 = 24$   
D  $6 \times 6 = 36$

9.  $9 \times 8 =$

- A 72  
B 98  
C 89  
D 76

10.  $6 \times 80 =$

- A 680  
B 860  
C 408  
D 480

11.  $3 \times 29 =$

- A 67  
B 87  
C 329  
D 273

12. Which division sentence matches  $7 \times 5 = 35$ ?

- A  $70 \div 10 = 7$   
B  $35 \div 5 = 7$   
C  $350 \div 10 = 35$   
D  $350 \div 5 = 70$

13.  $49 \div 7 =$

- A 7  
B 6  
C 8  
D 9

Circle the letter of the correct answer.

- 14.** Which answer matches this problem and is correct?

A piece of wood that is 96 inches long is cut into 8 parts that are the same length. How long is each part?

- A  $96 \div 8 = 16$  inches  
 B  $96 - 8 = 88$  inches  
 C  $96 \div 8 = 12$  inches  
 D  $96 - 88 = 8$  inches

- 15.** Which answer matches this array of stars?



- A 6 groups of 3 stars  
 B 4 groups of 5 stars  
 C 6 groups of 5 stars  
 D 4 groups of 6 stars
- 16.** If you divide 8 into 67, what is the remainder?

- A 0                      C 2  
 B 1                      D 3

- 17.** Which math fact is the same as 5 rows with 7 things in each row?

- A  $5 \times 7 = 35$   
 B  $7 + 5 = 12$   
 C  $7 - 5 = 2$   
 D  $50 + 7 = 57$

- 18.** If  $7 \times \square = 28$ , what does  $\square$  equal?

- A 35  
 B 21  
 C 4  
 D 5

- 19.** Which equation matches this problem?

At a weekend market, there are 50 people selling things. There are 10 tables, and each table has the same number of people. How many people are at each table?

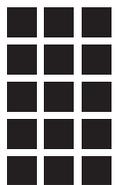
- A  $50 - 10 = \square$   
 B  $10 \times \square = 50$   
 C  $\square + 40 = 50$   
 D  $25 \times \square = 50$

Name \_\_\_\_\_ Date \_\_\_\_\_

**Unit Posttest**

Circle the letter of the correct answer.

1. Which answer matches this figure?



- A 4 rows of 5 squares  
 B 5 rows of 3 squares  
 C 2 rows of 6 squares  
 D 3 rows of 4 squares

2. Which addition sentence matches this figure?



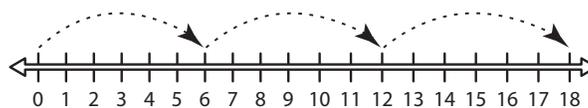
- A  $9 + 9 = 18$   
 B  $22 - 2 - 2 = 18$   
 C  $6 + 6 + 6 = 18$   
 D  $16 + 2 = 18$

3. Which number sentence matches this problem?

Kal planted 5 rows of corn with 6 seeds in each row. How many seeds did he plant in all?

- A  $56 - 26 = 30$   
 B  $11 - 5 = 6$   
 C  $5 + 6 = 11$   
 D  $5 \times 6 = 30$

4. Which number sentence matches this number line?



- A  $6 + 12 + 18 = 36$   
 B  $20 - 2 = 18$   
 C  $3 \times 6 = 18$   
 D  $6 \times 12 = 18$

5. Which multiplication sentence matches the dot pattern?



- A  $8 \times 4 = 32$     C  $3 \times 7 = 21$   
 B  $3 \times 8 = 24$     D  $2 \times 14 = 28$

6. Which answer is the same as
- $5 \times 3 \times 4$
- ?

- A  $8 \times 4$                       C  $20 \times 15$   
 B  $4 \times 4 \times 4$                 D  $3 \times 4 \times 5$

Circle the letter of the correct answer.

7. What is the product in the problem

$$7 \times 9 = 63?$$

- A 63
- B 7
- C 9
- D 16

8. Which multiplication problem matches this array?


- A  $7 \times 5 = 35$
  - B  $4 \times 8 = 32$
  - C  $7 \times 3 = 21$
  - D  $4 \times 7 = 28$
9.  $7 \times 6 =$
- A 42
  - B 76
  - C 67
  - D 44

10.  $9 \times 30 =$

- A 207
- B 930
- C 270
- D 390

11.  $7 \times 43 =$

- A 281
- B 301
- C 743
- D 214

12. Which division sentence matches

$$9 \times 5 = 45?$$

- A  $450 \div 90 = 5$
- B  $50 \div 10 = 5$
- C  $90 \div 16 = 5$
- D  $45 \div 9 = 5$

13.  $81 \div 9 =$

- A 6
- B 8
- C 9
- D 7

Name \_\_\_\_\_ Date \_\_\_\_\_

Circle the letter of the correct answer.

- 14.** Which answer matches this problem and is correct?

A book that is 84 pages long has 7 chapters. All the chapters are the same length. How many pages are in each chapter?

- A  $84 - 7 = 77$  pages  
 B  $84 \div 7 = 12$  pages  
 C  $84 - 77 = 7$  pages  
 D  $84 \div 7 = 22$  pages

- 15.** Which answer matches this array of stars?

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- A 3 groups of 12 stars  
 B 9 groups of 5 stars  
 C 2 groups of 12 stars  
 D 12 groups of 4 stars

- 16.** If you divide 9 into 67, what is the remainder?

- A 2                      C 4  
 B 3                      D 5

- 17.** Which math fact is the same as 6 rows with 9 things in each row?

- A  $6 \times 9 = 54$   
 B  $6 + 9 = 15$   
 C  $9 - 6 = 3$   
 D  $96 - 90 = 6$

- 18.** If  $8 \times \square = 48$ , what does  $\square$  equal?

- A 40  
 B 6  
 C 56  
 D 7

- 19.** Which equation matches this problem?

A group of 81 students is going to the zoo in vans. Each van has 9 students. How many vans will there be?

- A  $81 - \square = 72$   
 B  $9 + 81 = \square$   
 C  $9 \times \square = 18$   
 D  $\square \times 9 = 81$

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## Assessment

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