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Tennessee Comprehensive Assessment Program  
TCAP

**TNReady — Grade 5 Math Part II**

**PRACTICE TEST**

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Student Name

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Teacher Name



Tennessee Department of Education

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### Directions

This Practice Test booklet contains sample items for Grade 5 Math. Write your answers in this Practice Test booklet.

**You MAY NOT use a calculator in Subtest 1 of this test booklet.**

### Sample A: Selected-Response

Circle the **three** expressions that have a value of 12.

**A.**  $2 \times 6$

**B.**  $5 \times 8$

**C.**  $7 \times 2$

**D.**  $4 \times 3$

**E.**  $1 \times 12$

### Sample B: Match

Draw lines to match each fraction on the left with its equivalent fraction on the right.

$$\frac{2}{6}$$

$$\frac{2}{4}$$

$$\frac{1}{2}$$

$$\frac{2}{8}$$

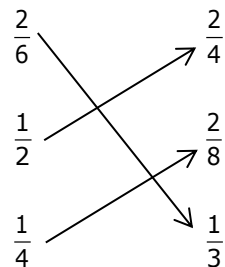
$$\frac{1}{4}$$

$$\frac{1}{3}$$

### Sample Answers

**A.** A, D, E

**B.**





1. What is  $3\frac{1}{8} + \frac{3}{4}$ ?

Write your answer in the space provided.

$3\frac{7}{8}$ or any equivalent
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2. What is the value of  $217 \times 33$ ?

7161
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3. A menu is shown.

Food	Price
Hot dog	\$2.00
Chili dog	\$2.35
Chips	\$1.25
Fries	\$2.75
Lemonade	\$2.25

Draw a line from each meal on the left to its correct total cost on the right.

Meal	Cost
Hot dog and lemonade	\$3.60
Chili dog and chips	\$4.25
Chili dog and fries	\$5.10



4. There are 4 ropes. Each one is  $3\frac{1}{4}$  feet long. Select **all** of the expressions that would give the total length of all the ropes.

A.\*  $3\frac{1}{4} + 3\frac{1}{4} + 3\frac{1}{4} + 3\frac{1}{4}$

B.  $4 \times \frac{12}{4}$

C.\*  $4 \times \frac{13}{4}$

D.  $\frac{1}{4} \times 3\frac{1}{4}$

E.  $\frac{12}{4} + \frac{12}{4} + \frac{12}{4} + \frac{12}{4}$

F.\*  $\frac{13}{4} + \frac{13}{4} + \frac{13}{4} + \frac{13}{4}$

5. What is the value of the digit 7 when 2.7 is multiplied by  $10^2$ ?

A. 0.007

B. 0.07

C. 7

D.\* 70



6. What is the value of  $384 \div 16$ ?

- A. 64
- B. 38
- C.\* 24
- D. 23

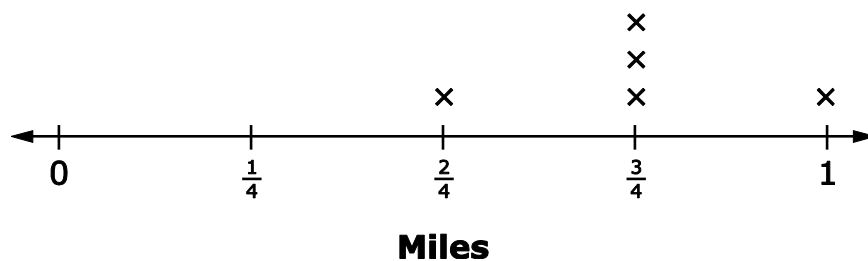
7. What is  $1\frac{3}{8} - \frac{3}{4}$ ?

Write your answer in the space provided.

$\frac{5}{8}$  or any  
equivalent

8. The line plot shows the distance, in miles, that Jenny walked on 5 different days.

**Distance Jenny Walks**

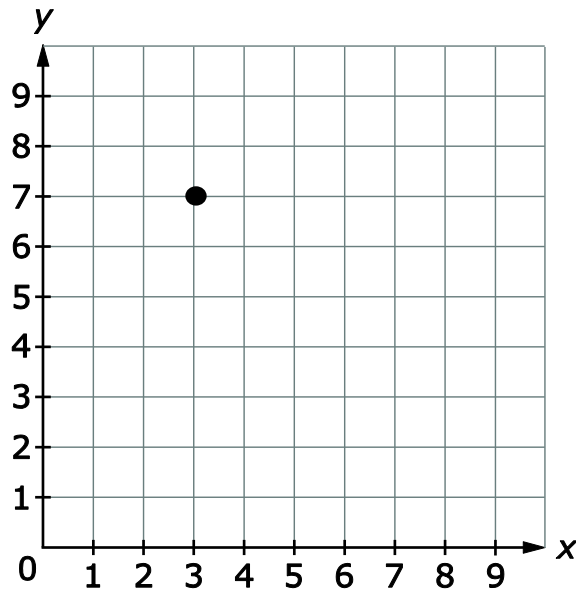


How many total miles did Jenny walk? Write your answer in the space provided.

$3\frac{3}{4}$  or any  
equivalent



9. Graph the point  $(3, 7)$  on the coordinate grid.



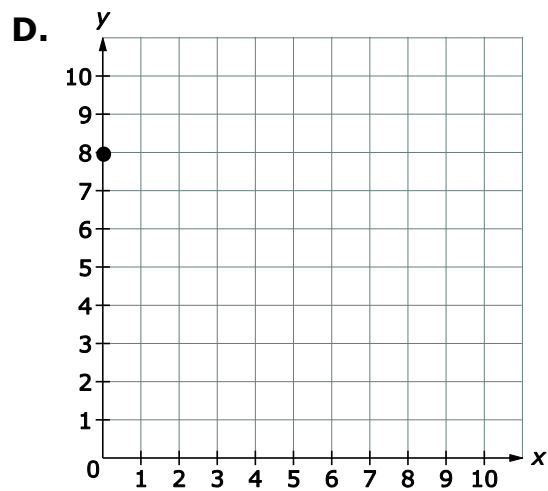
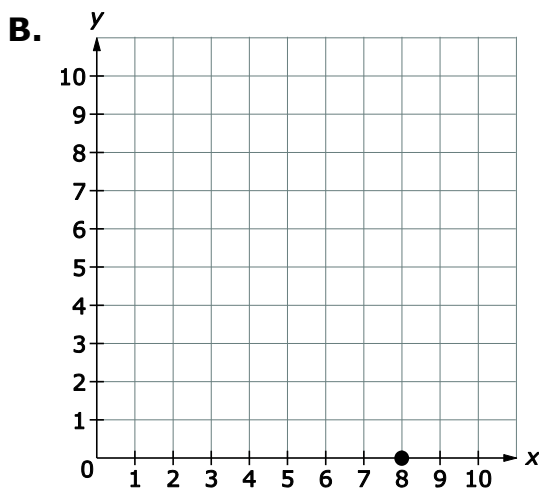
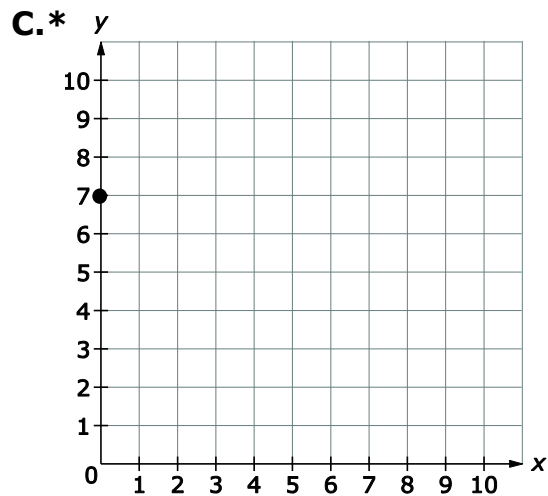
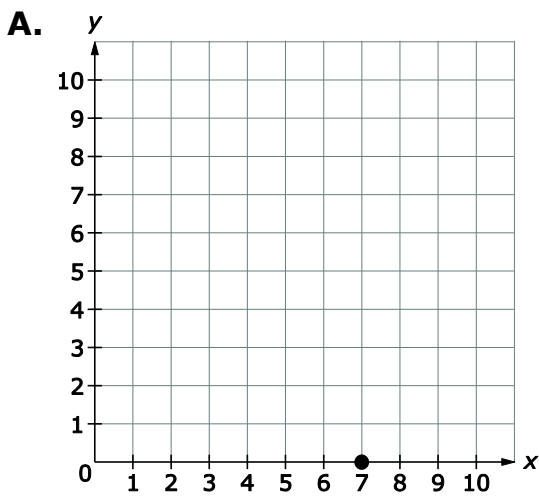
10. Which statement **best** describes the value of  $8 \div 4 \times 7 + (38 - 15)$ ?
- A. the quotient of 8 and 4, times 7, plus the sum of 38 and 15
  - B. the product of 4 and 7 divided by 8, plus 38, minus 15
  - C. the product of 8 and 4 times 7, plus the difference of 38 and 15
  - D.\* the quotient of 8 and 4, times 7, plus the difference of 38 and 15

**Directions**

This Practice Test booklet contains sample items for Grade 5 Math. Write your answers in this Practice Test booklet.

**You MAY use a calculator in Subtest 2 of this test booklet.**

11. Which graph shows the point  $(0, 7)$ ?





- 12.** A fence company is building a square fence. Each side of the square is 0.2 kilometers long. What is the length, in **meters**, of the fence?

Write your answer in the space provided.

800
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- 13.** Write either  $<$ ,  $>$ , or  $=$  in the box to correctly complete the comparison.

$$424.16 \quad \boxed{>} \quad 424.106$$

- 14.** Carol has  $8\frac{3}{4}$  yards of material. She needs to use  $\frac{1}{3}$  of the material to make a dress. How many yards of material will she need to make the dress?

Write your answer in the space provided.

$2\frac{11}{12}$ or any equivalent
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15. A set of ordered pairs is created using the following rules:

The  $x$ -coordinate in the set starts with 0 and increases by 3.

The  $y$ -coordinate in the set starts with 0 and increases by 9.

Write one of the numbers from the "Numbers" box in each of the boxes below to complete the ordered pairs in the set.

**Ordered Pairs in the Set**

(  , 9 )      ( 6,  )      (  , 27 )      ( 12,  )

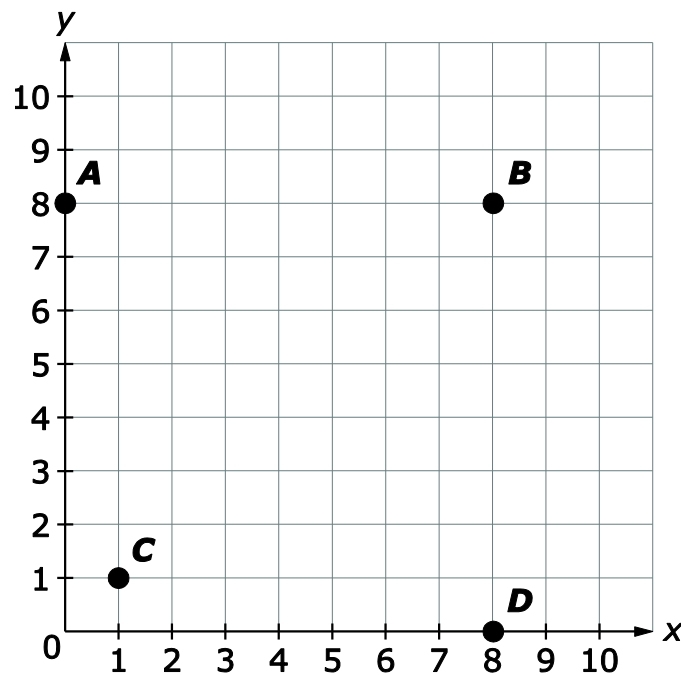
Numbers					
3	6	9	18	27	36

16. What is 2.078 rounded to the hundredths place?

- A. 2.10
- B.\* 2.08**
- C. 2.07
- D. 2.00



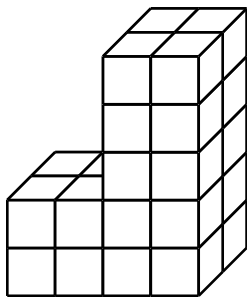
17. Which point is located at  $(8, 0)$  on the graph?



- A. point A
- B. point B
- C. point C
- D.\* point D**



18. What is the volume of this figure?



- A. 12 cubic units
- B. 16 cubic units
- C.\* 28 cubic units**
- D. 40 cubic units
19. Which expression correctly shows 26 minus the sum of 8 and 2?
- A.  $(26 - 8) + 2$
- B.\*  $26 - (8 + 2)$**
- C.  $(26 + 8) - 2$
- D.  $26 + (8 - 2)$



20. John is building a stage for a school play. The stage is  $15\frac{1}{2}$  feet long and 20 feet wide. Select **all** options that represent the area of the stage, in square feet.

A.  $\frac{31}{2} \times \frac{1}{20}$

B.  $\frac{30}{2} \times 20$

C.\*  $\frac{31}{2} \times 20$

D. 300

E.\* 310

21. Students in a science class were measuring the length of their classroom door.
- Kelly wrote the number 2 units.
  - Paul wrote the number 200 units.

Which statement shows how both Kelly and Paul can be correct?

- A. Kelly measured in centimeters, and Paul measured in meters.
- B.\* Kelly measured in meters, and Paul measured in centimeters.**
- C. Kelly measured in kilometers, and Paul measured in centimeters.
- D. Kelly measured in centimeters, and Paul measured in kilometers.



22. Form ordered pairs using the corresponding terms from the two sequences.

Sequence A: 0, 7, 14, 21, 28, . . .

Sequence B: 0, 14, 28, 42, 56, . . .

Write **one** number in **each** labeled box from the options below it to correctly complete the ordered pairs.

$(0, \boxed{\text{V}})$    
  $(\boxed{\text{W}}, 14)$    
  $(14, \boxed{\text{X}})$    
  $(21, \boxed{\text{Y}})$    
  $(\boxed{\text{Z}}, 56)$

Options for Box V
<b>0*</b>
7
28
42

Options for Box W
0
<b>7*</b>
28
42

Options for Box X
0
7
<b>28*</b>
42

Options for Box Y
0
7
28
<b>42*</b>

Options for Box Z
0
7
<b>28*</b>
42