

# Tennessee Comprehensive Assessment Program TCAP

## Math Grade 4 | Practice Test



*Please PRINT all information in the box.*

Student Name: \_\_\_\_\_

Teacher Name: \_\_\_\_\_

School: \_\_\_\_\_

District: \_\_\_\_\_

**All practice test items represent the appropriate grade level/content standards—however, the practice test may contain item types that no longer appear on the operational assessment.**



**Directions**

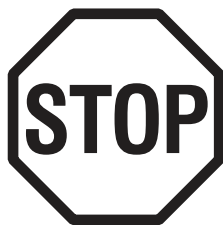
This test has Subpart 1, Subpart 2, and Subpart 3. Each subpart contains various types of assessment questions. The following sample shows a type of question used.

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

**Sample A: Multiple select (multiple correct responses)**

Which **three** equations are true?

- A.**  $3 + 6 = 9$
- B.**  $4 \times 4 = 8$
- C.**  $5 + 9 = 14$
- D.**  $20 + 2 = 40$
- E.**  $25 \times 4 = 100$



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1 What is  $\frac{2}{100} + \frac{7}{10}$ ?

A.  $\frac{27}{10}$

B.  $\frac{27}{100}$

C.  $\frac{72}{10}$

D.  $\frac{72}{100}$

2 Which decimal has the same value as  $\frac{68}{100}$ ?

M. 6800.00

P. 68.00

R. 0.68

S. 6.8



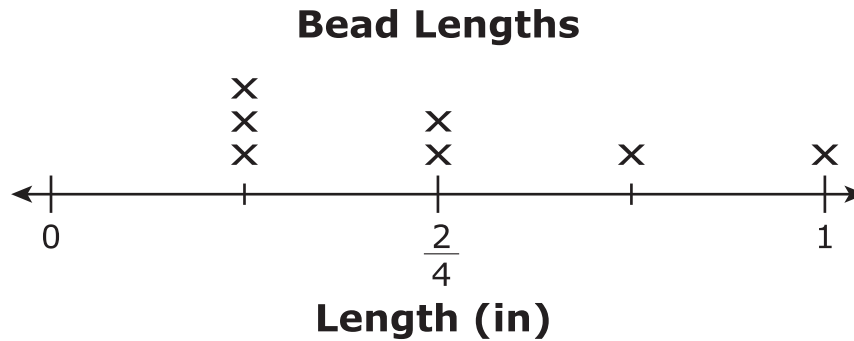
- 3** A rectangle has an area of 156 square inches and a perimeter of 50 inches.

What are the width and the length of the rectangle?

- A.** width = 4 inches  
length = 39 inches
- B.** width = 5 inches  
length = 10 inches
- C.** width = 10 inches  
length = 15 inches
- D.** width = 12 inches  
length = 13 inches



- 4 Cyndi measures the lengths of beads she is using to make a necklace. She creates a line plot to display her data.



Cyndi places all the beads into a straight line, end to end.

What is the total length, in inches, of the line of beads?

- M.**  $3\frac{2}{4}$
- P.**  $2\frac{2}{4}$
- R.**  $\frac{7}{5}$
- S.**  $\frac{7}{4}$

- 5 A pattern starts at 3 and follows the rule “add 4.”  
Select the **two** numbers which belong in this pattern.

- A.** 13
- B.** 7
- C.** 12
- D.** 4
- E.** 23





- 6 What is the value of  $4056 + 2173$ ?

Enter your answer in the space provided.

- 7 Which expression can be used to correctly find the product of 27 and 30?

- M.**  $(20 \times 7) + (30 \times 0)$   
**P.**  $(2 \times 30) + (70 \times 30)$   
**R.**  $(20 \times 30) + (7 \times 30)$   
**S.**  $(2 \times 30) + (7 \times 30)$

- 8 Eleanor is making sand art. She puts  $\frac{1}{2}$  cup each of 10 different colors of sand in a bottle.

How much sand, in cups, does she put in the bottle?

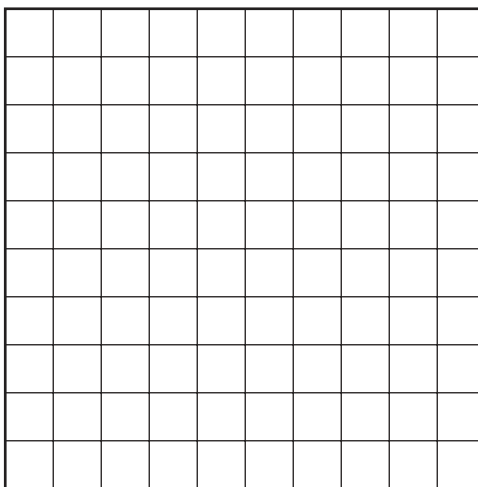
Enter your answer in the space provided.



9 Which of the following numbers are prime? Select the **three** correct numbers.

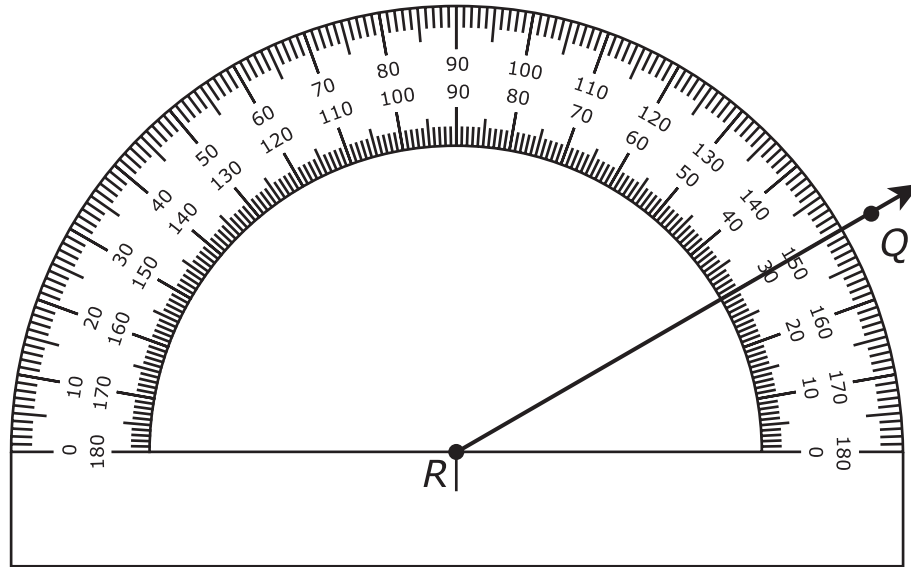
- A. 2
- B. 9
- C. 13
- D. 15
- E. 19

10 Using this grid, draw a **right angle**.

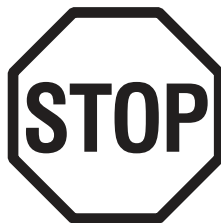




- 11 Angle  $QRS$  measures  $60^\circ$ . Ray  $RQ$  is shown on this protractor.



Using this protractor, draw and label ray  $RS$  to form angle  $QRS$ .



**This is the end of Subpart 1 of the Math Practice Test.  
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**Directions**

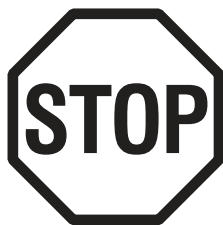
Subpart 2 of this test contains various types of assessment questions. The following sample shows a type of question used.

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

**Sample B: Written response (fill in the blank)**

What is the value of  $110 - 45$ ?

Enter your answer in the space provided.



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**12** A school needs vans for a field trip.

- There are 59 people going on the field trip.
- The school has 6 vans that each hold 8 people.
- The school will rent additional vans that each hold 8 people.

How many vans will the school need to rent to hold all the people going on the field trip?

- A.** 1
- B.** 2
- C.** 3
- D.** 7



- 13** An incomplete comparison is shown.

$$13,426 \square 12,389$$

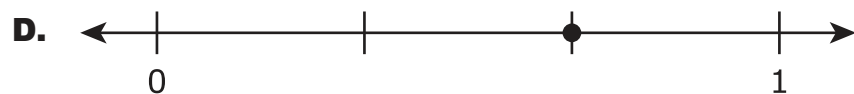
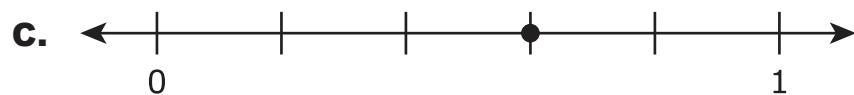
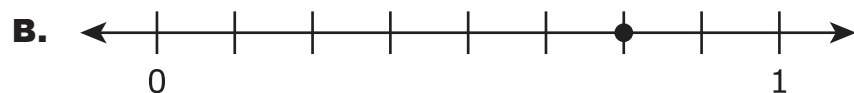
Devin says 13,426 is greater. Bill says 12,389 is greater.

Who is correct and why?

- M.** Bill is correct, because the ones digit in 12,389 is greater than the ones digit in 13,426.
- P.** Bill is correct, because the value of the 2 in 12,389 is greater than the value of the 2 in 13,426.
- R.** Devin is correct, because the hundreds digit in 13,426 is greater than the hundreds digit in 12,389.
- S.** Devin is correct, because the thousands digit in 13,426 is greater than the thousands digit in 12,389.



- 14 Which number line shows a point that represents a fraction equivalent to  $\frac{6}{10}$ ?







15 Which comparison is **true**?

M.  $16.02 < 16.20$

P.  $0.62 > 6.10$

R.  $1.32 < 1.29$

S.  $4.14 = 4.41$

16 Joey is making cookies. The recipe calls for  $\frac{2}{3}$  cup of sugar for each batch of cookies.

How many cups of sugar does he need for 5 batches of cookies?

A.  $\frac{7}{3}$

B.  $\frac{10}{3}$

C.  $\frac{2}{15}$

D.  $\frac{10}{15}$



**This is the end of Subpart 2 of the Math Practice Test.  
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**Directions**

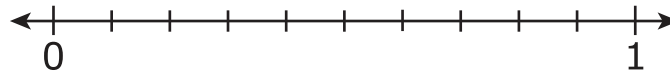
Subpart 3 of this test contains various types of assessment questions.

**You MAY use a calculator in Subpart 3 of this test.**

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- 17 Using this number line, place a point to show the location of 0.85.



- 18 Jenkin's Pumpkin Patch has 760 pumpkins this year. They have twice as many pumpkins this year as they had last year.

How many **more** pumpkins does Jenkin's Pumpkin Patch have this year than they had last year?

Enter your answer in the space provided.

- 19 Caleb baked 12 batches of chocolate chip cookies. There were 16 cookies in each batch.

How many cookies did Caleb bake?

Enter your answer in the space provided.



**20** Think about this situation:

"A baseball weighs 5 ounces. A football weighs 3 times as much as the baseball. How much does the football weigh?"

Which equation could represent this situation?

**A.**  $5 + 3 = \square$

**B.**  $5 - 3 = \square$

**C.**  $5 \times 3 = \square$

**D.**  $5 \div 3 = \square$

**21** Of all of Jan's socks,  $\frac{1}{6}$  are blue. The rest of her socks are red or white.

Which expression could represent the fraction of Jan's socks that are red or white?

**M.**  $\frac{1}{6} + \frac{1}{6}$

**P.**  $\frac{6}{6} + \frac{1}{6}$

**R.**  $\frac{3}{6} + \frac{3}{6}$

**S.**  $\frac{2}{6} + \frac{3}{6}$



- 22** John has 200 buttons. He has 5 times as many buttons as Markie has. How many buttons do John and Markie have all together?

Enter your answer in the space provided.

- 23** Ramona bought 17 T-shirts for the soccer team. Each T-shirt cost \$12.

What was the total cost of the T-shirts?

- A.** \$29
- B.** \$84
- C.** \$204
- D.** \$294



**This is the end of the test.**

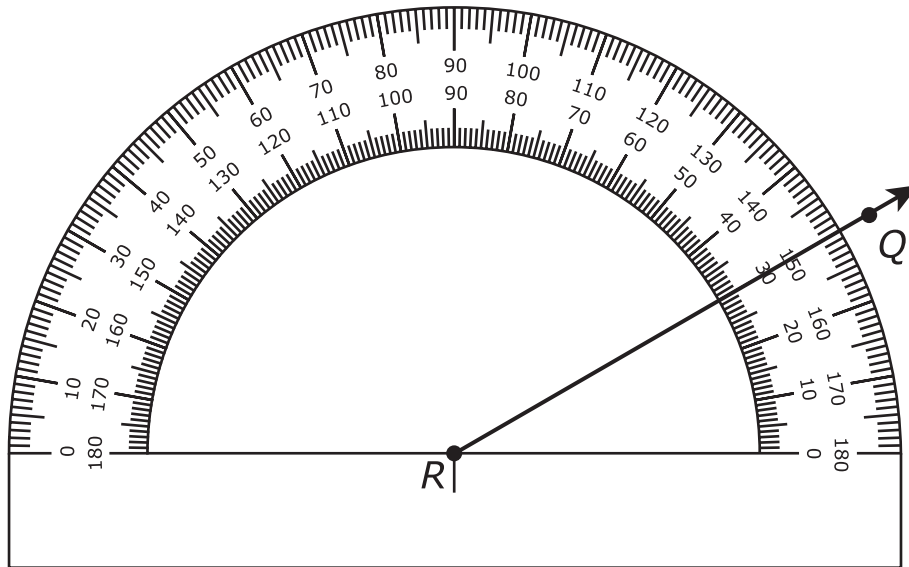
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11.



**Subpart 2 Practice Test Questions**

12. (A) (B) (C) (D)

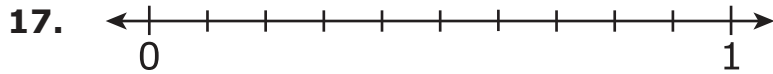
13. (M) (P) (R) (S)

14. (A) (B) (C) (D)

15. (M) (P) (R) (S)

16. (A) (B) (C) (D)

**Subpart 3 Practice Test Questions**



18.

19.

20.  A  B  C  D

21.  M  P  R  S

22.

23.  A  B  C  D



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Subpart 1 Practice Test Questions

1.  A  B  C  D

2.  M  P  R  S

3.  A  B  C  D

4.  A  P  R  S

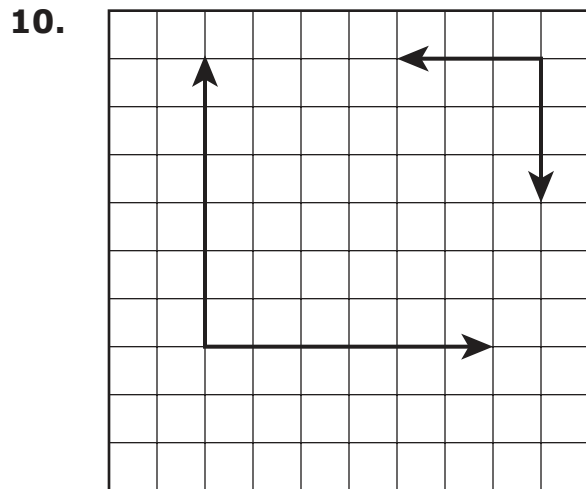
5.  A  B  C  D  E (select **two**)

6.

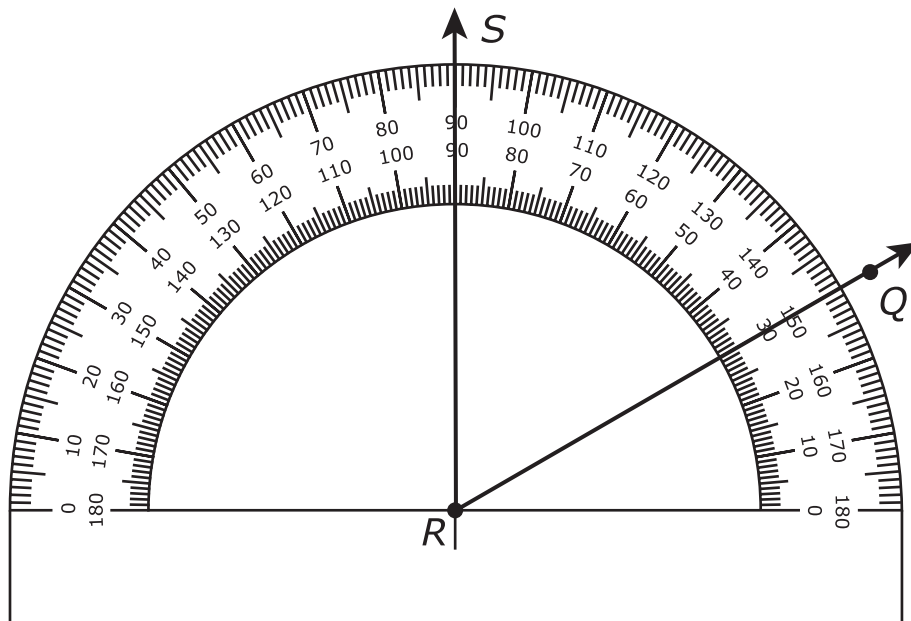
7.  M  P  R  S

8.

9.  A  B  C  D  E (select **three**)



11.



**Subpart 2 Practice Test Questions**

12. (A) ● (C) (D)

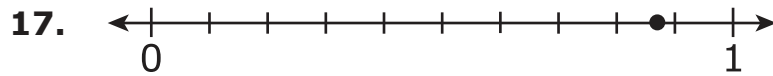
13. (M) (P) (R) ●

14. (A) (B) ● (D)

15. ● (P) (R) (S)

16. (A) ● (C) (D)

**Subpart 3 Practice Test Questions**



18.

19.

20.  A  B  C  D

21.  M  P  R  S

22.

23.  A  B  C  D



TNReady Practice Test Standards Alignment and Key – Grade 4

Subpart 1	Key	Standard
1	D	4.NF.C.5
2	R	4.NF.C.6
3	D	4.MD.A.3
4	M	4.MD.B.4
5	B, E	4.OA.C.5
6	6229	4.NBT.B.4
7	R	4.NBT.B.5
8	5	4.NF.B.4c
9	A, C, E	4.OA.B.4
10	any right angle	4.G.A.1
11	60° angle with ray RS drawn through 90	4.MD.C.6
<b>Subpart 2</b>		
12	B	4.OA.A.3
13	S	4.NBT.A.2
14	C	4.NF.A.1
15	M	4.NF.C.7
16	B	4.NF.B.4c
<b>Subpart 3</b>		
17	point plotted at 0.85	4.NF.C.6
18	380	4.OA.A.2
19	192	4.NBT.B.5
20	C	4.OA.A.1
21	S	4.NF.B.3d
22	240	4.OA.A.2
23	C	4.NBT.B.5



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