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?

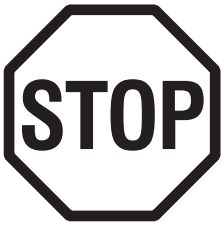
A. $3 + 6 = 9$

B. $4 \times 4 = 8$

C. $5 + 9 = 14$

D. $20 + 2 = 40$

E. $25 \times 4 = 100$



Do not go on to the next page until told to do so.

No test material on this page

No test material on this page

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?

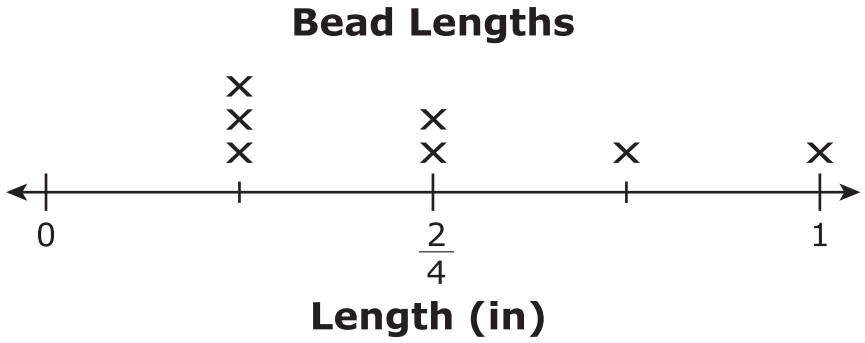
A. width = 4 inches
length = 39 inches

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

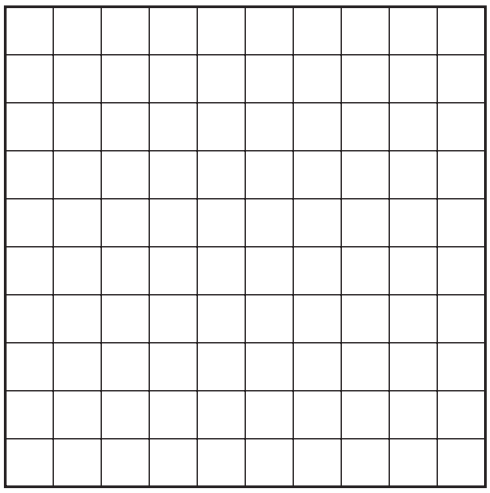
B. 9

C. 13

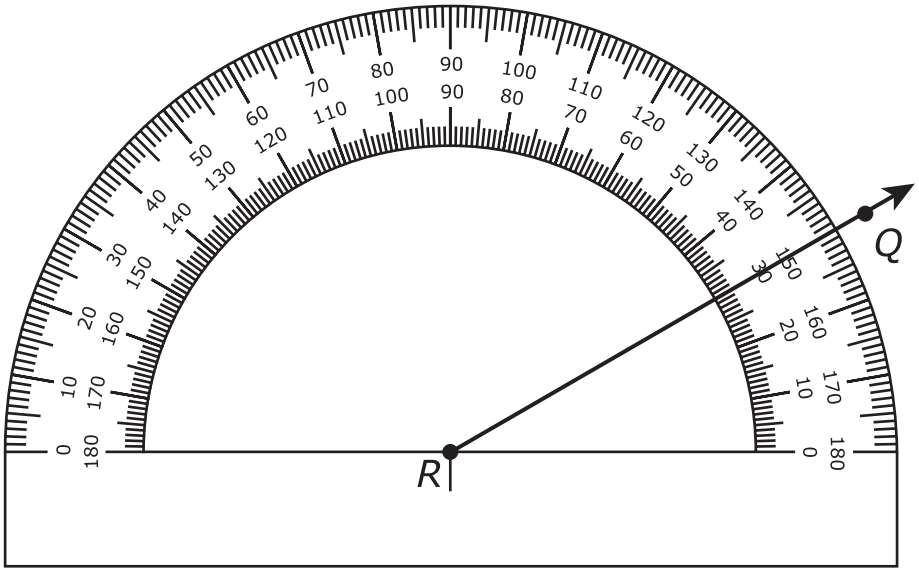
D. 15

E. 19

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



11 Angle *QRS* measures 60°. Ray *RQ* is shown on this protractor.



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

STOP

This is the end of Subpart 1 of the Math Practice Test.
Do not go on to the next page until told to do so.

Directions

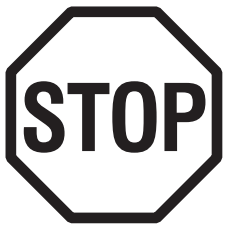
Subpart 2 of this test contains various types of assessment questions. The following sample shows a type of question used.

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.



Do not go on to the next page until told to do so.

No test material on this page

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 □ 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.

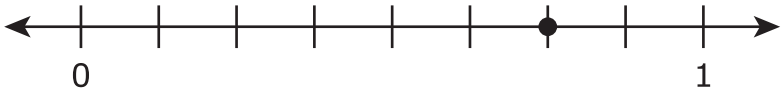
R. Devin is correct, because the hundreds digit in 13,426 is greater than the hundreds digit in 12,389.

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 $\frac{6}{10}$?

A.

B.



C.

D.

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.

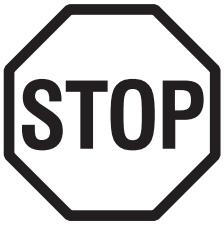
How many cups of sugar does he need for 5 batches of cookies?

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.
Do not go on to the next page until told to do so.

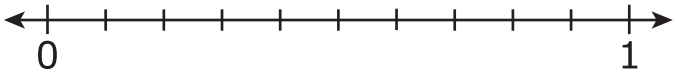
Directions

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

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

No test material on this page

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.

No test material on this page

No test material on this page

Name: _____

Subpart 1 Practice Test Questions

1. Ⓐ Ⓑ Ⓒ Ⓓ

2. Ⓜ Ⓟ Ⓡ Ⓢ

3. Ⓐ Ⓑ Ⓒ Ⓓ

4. Ⓜ Ⓟ Ⓡ Ⓢ

5. Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ (select **two**)

6.

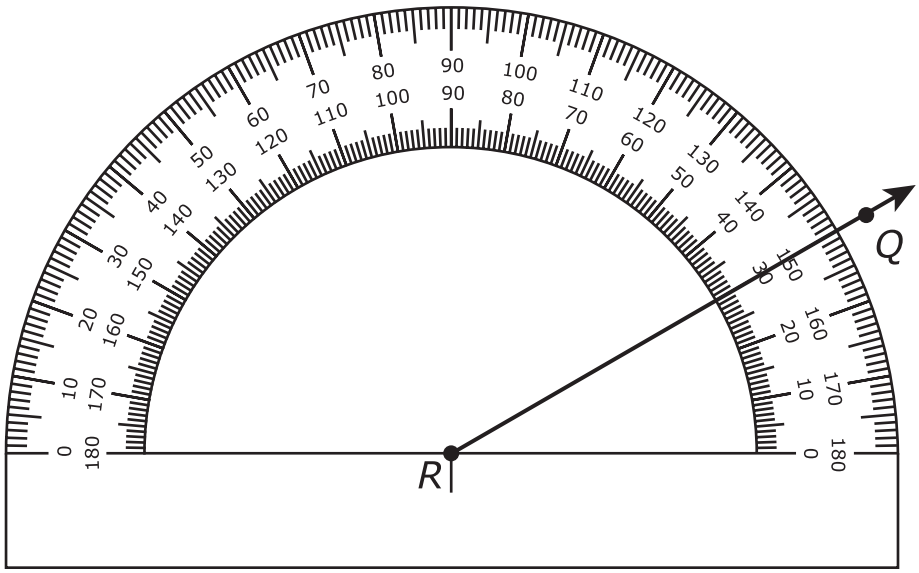
7. Ⓜ Ⓟ Ⓡ Ⓢ

8.

9. Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ (select **three**)

10.

11.



Subpart 2 Practice Test Questions

12. Ⓐ Ⓑ Ⓒ Ⓓ

13. Ⓜ Ⓟ Ⓡ Ⓢ

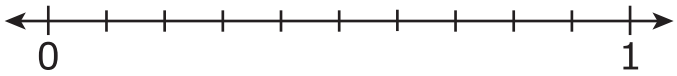
14. Ⓐ Ⓑ Ⓒ Ⓓ

15. Ⓜ Ⓟ Ⓡ Ⓢ

16. Ⓐ Ⓑ Ⓒ Ⓓ

Subpart 3 Practice Test Questions

17.



18.

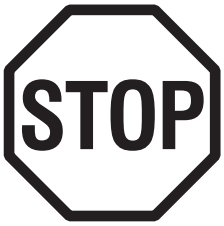
19.

20. Ⓐ Ⓑ Ⓒ Ⓓ

21. Ⓜ Ⓟ Ⓡ Ⓢ

22.

23. Ⓐ Ⓑ Ⓒ Ⓓ



No test material on this page

Subpart 1 Practice Test Questions

1. Ⓐ Ⓑ Ⓒ ●

2. Ⓜ Ⓟ ● Ⓢ

3. Ⓐ Ⓑ Ⓒ ●

4. ● Ⓟ Ⓡ Ⓢ

5. Ⓐ ● Ⓒ Ⓓ ● (select **two**)

6.

6229

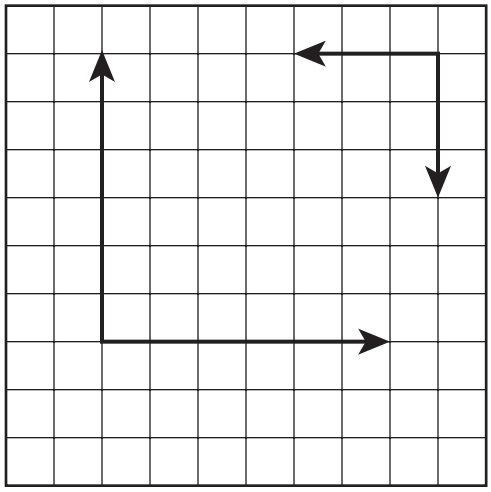
7. Ⓜ Ⓟ ● Ⓢ

8.

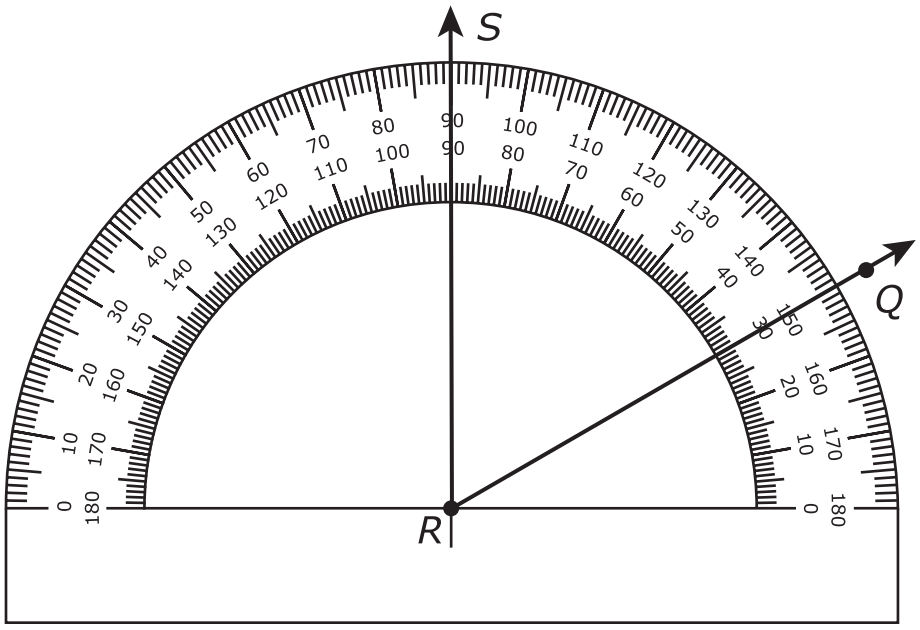
5

9. ● Ⓑ ● Ⓓ ● (select **three**)

10.



11.



Subpart 2 Practice Test Questions

12. Ⓐ ● Ⓒ Ⓓ

13. Ⓜ Ⓟ Ⓡ ●

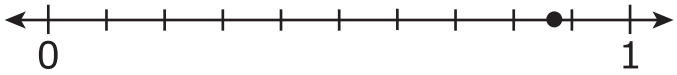
14. Ⓐ Ⓑ ● Ⓓ

15. ● Ⓟ Ⓡ Ⓢ

16. Ⓐ ● Ⓒ Ⓓ

Subpart 3 Practice Test Questions

17.



18. 380

19. 192

20. Ⓐ Ⓑ ● Ⓓ

21. Ⓜ Ⓟ Ⓡ ●

22. 240

23. Ⓐ Ⓑ ● Ⓓ

TN Department of Education

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
Subpart 2		
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
Subpart 3		
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

No test material on this page

No test material on this page

No test material on this page

Tennessee Comprehensive Assessment Program TCAP
Math
Grade 4 | Practice Test