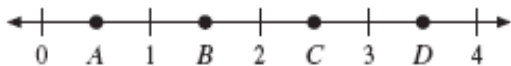


6th Grade Standards Test

- 1 Which point shows the location of $\frac{5}{2}$ on the number line?



- A. Point A
- B. Point B
- C. Point C
- D. Point D

- 2 Every week the Pacoima Café uses 35 pounds of regular coffee and 15 pounds of decaffeinated coffee. What is the ratio of the number of pounds of regular coffee to the number of pounds of decaffeinated coffee?

- A. 7 : 3
- B. 7 : 2
- C. 5 : 3
- D. 5 : 2

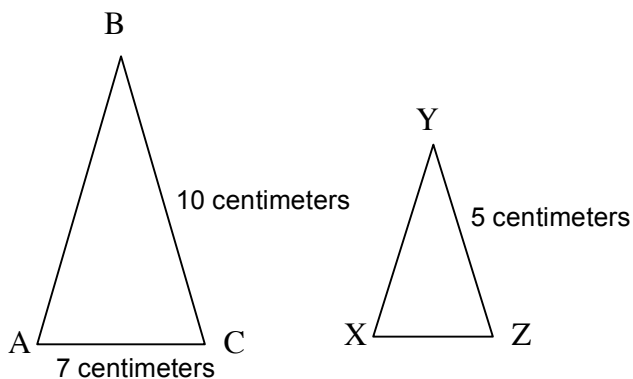
- 3 Which list of numbers is ordered from least to greatest?

- A. $-\frac{1}{2}$, -0.75 , 1 , $1\frac{3}{4}$
- B. -2 , -1.75 , $\frac{1}{3}$, $\frac{3}{4}$
- C. 0 , $-\frac{1}{2}$, 2 , 3.75
- D. $-\frac{1}{2}$, -0.25 , $\frac{1}{2}$, $\frac{1}{4}$

- 4 Fred painted 5 walls in 8 hours. Which proportion could be solved to find x , the number of walls Fred can paint in 12 hours?

- A. $\frac{x}{5} = \frac{8}{12}$
- B. $\frac{8}{x} = \frac{12}{5}$
- C. $\frac{8}{5} = \frac{x}{12}$
- D. $\frac{5}{8} = \frac{x}{12}$

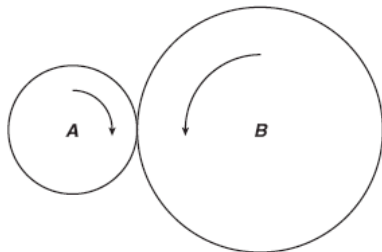
- 5 $\triangle ABC$ is similar to $\triangle XYZ$. What is the length of \overline{XZ} ?



- A. 3 centimeters
- B. 4 centimeters
- C. 3.5 centimeters
- D. 2.5 centimeters

6th Grade Standards Test

- 6 When wheel A turns 5 revolutions, wheel B turns 3 revolutions. How many revolutions will wheel B turn when wheel A turns 35 revolutions?



- A. 21
B. 15
C. 2
D. 27

- 7 Maria took her family out to dinner to celebrate her new job. If the meal was \$65 and she gave 20% tip, how much did she spend for dinner?

- A. \$71.50
B. \$78
C. \$75
D. \$85

8 $\frac{5}{6} \div \frac{10}{21}$

- A. $\frac{4}{7}$
B. $\frac{25}{42}$
C. $1\frac{3}{4}$
D. $2\frac{1}{2}$

9 $5 - (-7)$

- A. 12
B. -12
C. -2
D. 2

- 10 One morning the temperature was 7° below zero, by noon it had risen 18° Fahrenheit (F), then by evening it had fallen 9°(F). What is the evening temperature?

- A. 2° below zero
B. 16° below zero
C. 6° above zero
D. 2° above zero

11 $12 \div -3$

- A. 9
B. 4
C. -9
D. -4

6th Grade Standards Test

12

$$\frac{2}{9} + \frac{5}{12}$$

- A. $\frac{1}{3}$
- B. $\frac{23}{36}$
- C. $\frac{7}{36}$
- D. $\frac{3}{4}$

13

75% of what number is 30?

- A. 50
- B. 20
- C. 40
- D. 60

14

What value of x makes the equation true?

$$\frac{x}{4} = 32$$

- A. 128
- B. 104
- C. 8
- D. 16

15

Juan had \$25 at the beginning of the week. If he spent \$4 each day at school, which expression below represents how much money he had left after x days?

- A. $100x$
- B. $25 - 4x$
- C. $25 + 4x$
- D. $4x - 25$

16

Which algebraic equation best describes the total cost (C) of 4 cans of corn if p , is the price for one can of corn?

- A. $C = 4p$
- B. $C = 4 + p$
- C. $C = \frac{p}{4}$
- D. $C = \frac{4}{p}$

17

Apples cost \$0.55 per pound and oranges cost \$0.75 per pound. Which expression gives the total cost in dollars for m pounds of apples and n pounds of oranges?

- A. $1.30(n + m)$
- B. $0.55m + 0.75n$
- C. $0.55m - 0.75n$
- D. $1.30mn$

6th Grade Standards Test

18

$$12 - 6 + 8 \div 2 =$$

- A. 7
- B. 2
- C. 5
- D. 10

19

How many feet are in $5\frac{1}{3}$ yards?

- A. 12 feet
- B. 10 feet
- C. 16 feet
- D. 21 feet

20

It takes Paula 2 hours to make 5 necklaces. How many necklaces can she make in 8 hours?

- A. 20
- B. 15
- C. 18
- D. 25

21

Mark took 2nd place in a hot dog eating contest. He ate 28 hot dogs in 8 minutes. How many hot dogs did he eat per minute?

- A. 4
- B. 3.75
- C. 3.5
- D. 4.5

22

Juanita spent \$4.50 at the vending machine, which sells sodas for 75¢ each. How many sodas did she buy?

- A. 5
- B. 6
- C. 7
- D. 4

23

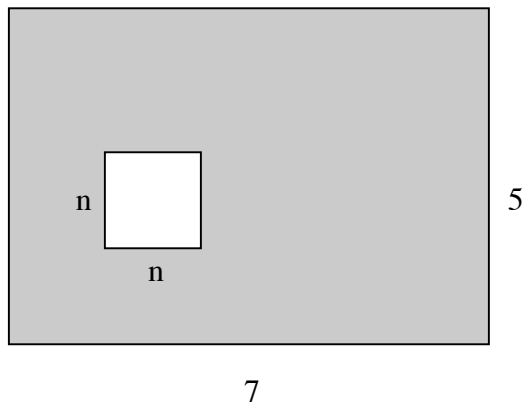
The Garcia's family car can travel 168 miles on 7 gallons of gasoline. How many miles per gallon (mi/gal) does it get?

- A. 25
- B. 26
- C. 23
- D. 24

6th Grade Standards Test

24

A square with a side of n is inside a rectangle with length 7 and width 5.

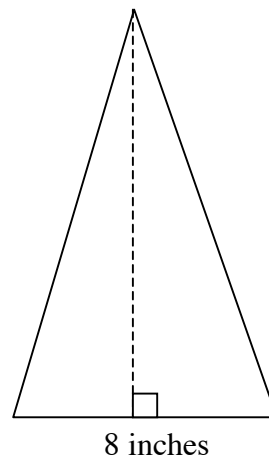


Which expression represents the area of the shaded region of the rectangle in terms of n ?

- A. $12 + 2n$
- B. $35 + n^2$
- C. $12 - 2n$
- D. $35 - n^2$

25

The triangle shown below has a base of 8 inches and an area A square inches.



Which equation could be used to find the height of the rectangle?

- A. $A = 4 \times h$
- B. $A = 4 - h$
- C. $A = \frac{8+h}{2}$
- D. $A = \frac{1}{2} \times 8 - h$

26

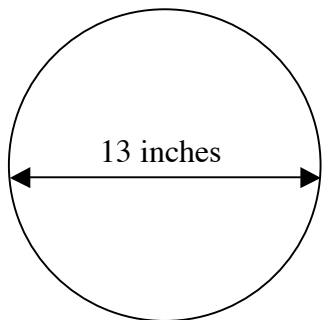
Which equation could be used to find the area of a square with sides of 7 inches?

- A. $A = 4 \times 7$
- B. $A = 7^2$
- C. $A = 2(4 + 7)$
- D. $A = 4 \div 7$

6th Grade Standards Test

27

A circle has a diameter of 13 inches. Which expression below can be used to find the circumference of the circle?



- A. $13 \times \pi$
- B. $13 \times 2 \times \pi$
- C. $13^2 \times \pi$
- D. $6.5 \times \pi$

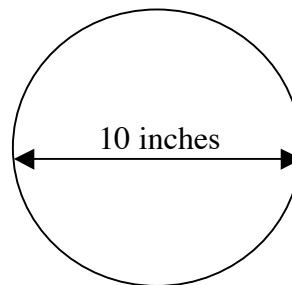
28

Which statement below is true about a pair of complementary angles?

- A. Both angles are obtuse.
- B. The sum of the angles measures 90° .
- C. The sum of the angles measures 180° .
- D. Both angles are right angles.

29

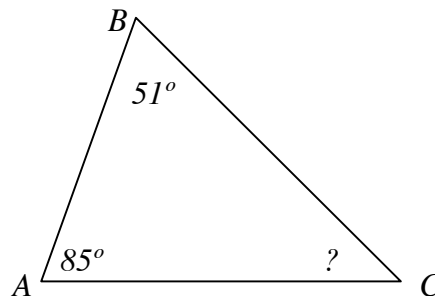
A circle has a diameter of 10 inches. Which equation below can be used to find the area of the circle?



- A. $A = 10 \times \pi$
- B. $A = 10 \times 2 \times \pi$
- C. $A = 10^2 \times \pi$
- D. $A = 5^2 \times \pi$

30

In $\triangle ABC$, $\angle A$ measures 85° , $\angle B$ measures 51° , what is the measure of $\angle C$?



- A. 38°
- B. 44°
- C. 52°
- D. 56°

6th Grade Standards Test

31 Which statement is false about the set of data 3, 4, 4, 5?

- A. The mean is less than 6.
- B. The mode is 4.
- C. The mode, median and mean are all different.
- D. The median is the same as the mean.

32 Fairfield high school decided to conduct a survey of the local residents to pick the new school colors. Which of the following methods is best to get a *random sample* of Fairfield residents?

- A. Select people coming out of the local supermarket.
- B. Select people from the chess club.
- C. Select people at the retirement home.
- D. Select people visiting Fairfield.

33 The table below shows the sales a company made in 2005 by quarter.

2005 Sales

Quarter	Sales
I	250,000
II	310,000
III	540,000
IV	750,000

Which statement is true about the table of data.

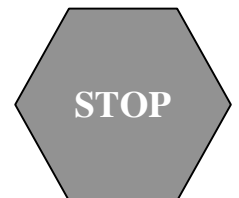
- A. Consecutive quarters have lower sales.
- B. Quarter three had the best sales.
- C. Quarter three had the greatest improvement.
- D. Quarter two had the lowest sales.

34 Tyler has 4 red shirts, 7 black shirts, 6 white shirts and 3 blue shirts. If you randomly pick a shirt, what is the probability it is either red or white?

- A. 65%
- B. 50%
- C. 52%
- D. 75%

35 Which of the following are a pair of dependent events?

- A. Picking a name out of a bag then flipping a coin.
- B. Picking a card from a deck of cards then rolling a die
- C. Picking a card from a deck of cards, then without replacing it picking another card.
- D. Pick a name out of a bag, then pull a card out of a deck of cards.



6th Grade Standards Test

Question	Answer
1	C
2	A
3	B
4	D
5	C
6	A
7	B
8	A
9	A
10	A
11	D
12	B
13	C
14	A
15	B
16	A
17	B
18	D
19	C
20	A
21	C
22	B
23	D
24	D
25	A
26	B
27	A
28	B
29	D
30	B
31	C
32	A
33	C
34	B
35	C