

1

Clara goes miniature golfing. She pays \$7.50 for an admission ticket and \$6.25 for each round she golfs. The total amount Clara pays for admission and the number of rounds she golfs is \$26.25. Which equation can be used to determine the number of rounds, x , that Clara golfs?

- A $6.25x + 7.50 = 26.25$
- B $6.25x - 7.50 = 26.25$
- C $7.50x + 6.25 = 26.25$
- D $7.50x - 6.25 = 26.25$

2

What is the exact decimal equivalent of $\frac{7}{12}$?

- A 0.583
- B $0.58\bar{3}$
- C 1.714
- D $1.71\bar{4}$

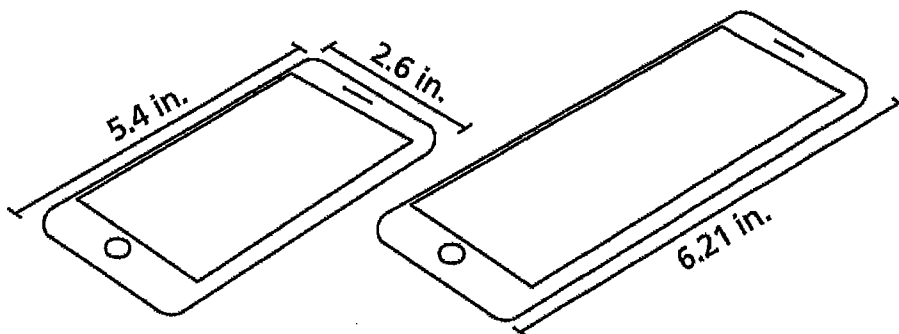
3

Joseph's lunch at a restaurant costs \$13.00, without tax. He leaves the waiter a tip of 17% of the cost of the lunch, without tax. What is the total cost of the lunch, including the tip, without tax?

- A \$2.21
- B \$10.79
- C \$13.17
- D \$15.21

4

The diagram shows the length and width of a cell phone, and the length of a larger version of the same brand of cell phone.



The lengths and widths of the two cell phones are proportional. What is the width, in inches, of the larger version of the cell phone?

- A 1.15
- B 2.26
- C 2.99
- D 3.41

On average, Shawnte drinks $\frac{1}{2}$ of a 6-ounce glass of water in $\frac{2}{3}$ hour. How much water does she drink in an hour?

- A 0.75 ounce
- B 2 ounces
- C 4.5 ounces
- D 9 ounces

GO ON

8

From 12:00 midnight to 6:00 a.m., the temperature decreased by 12°C . If the original temperature was 12°C , which expression can be used to represent this situation?

- A $12 - 12$
- B $12 + 12$
- C $12 - (-12)$
- D $-12 + (-12)$

9

Jordan prepares 200 name tags to use at a meeting. The number for each color of name tag is described below.

- 35% of the name tags are blue
- $\frac{3}{8}$ of the name tags are yellow
- all of the remaining name tags are red

How many of Jordan's name tags are red?

- A 55
- B 90
- C 110
- D 145

12

Last week, the price of apples at a grocery store was \$1.60 per pound. This week, apples at the same grocery store are on sale at a 10% discount. What is the total price of $4\frac{1}{2}$ pounds of apples this week at the grocery store?

- A \$4.77
- B \$6.48
- C \$6.75
- D \$6.93

13

The ratio of boys to girls in Mr. Johnson's after-school club is the same as the ratio of boys to girls in Ms. Greene's after-school club. There are 4 boys and 12 girls in Mr. Johnson's club. There are 6 boys in Ms. Greene's club. How many girls are in Ms. Greene's club?

- A 2
- B 12
- C 14
- D 18

GO ON

15

Which table shows a proportional relationship between x and y ?

A

x	y
3	4
6	10
9	16
12	22
15	28

C

x	y
4	2
8	4
12	8
16	14
20	20

B

x	y
12	6
14	12
16	18
18	24
20	30

D

x	y
5	1
10	2
15	3
20	4
25	5

16

Which expression is equivalent to $7a - 8 - 12a + 4$?

A $-9a$

B $31a$

C $-5a - 4$

D $19a + 12$

21

What value will make the equation true?

$$-2.1 - \underline{\quad ? \quad} = -1\frac{1}{2}$$

- A 3.6
- B 0.6
- C -0.6
- D -3.6

22

Manny goes bowling.

- He has \$25.00 to spend.
- He spends \$4.25 to rent shoes.
- He spends \$2.50 for each game he bowls.

Which inequality can Manny use to determine x , the greatest number of games he can bowl?

- A $2.5 + 4.25x \geq 25$
- B $4.25 + 2.5x \geq 25$
- C $2.5 + 4.25x \leq 25$
- D $4.25 + 2.5x \leq 25$

GO ON

34

The table below shows a proportional relationship between s and t .

s	t
21	3
35	5
49	7
63	9
70	10

Which equation represents the relationship between s and t ?

A $s = \frac{1}{7}t$

B $s = 7t$

C $s = t + 2$

D $s = t + 18$

35

Which expression is equivalent to $2(x + 7) - 18x + \frac{4}{5}$?

A $20x + \frac{74}{5}$

B $20x + \frac{139}{5}$

C $-16x + \frac{74}{5}$

D $-16x + \frac{139}{5}$

GO ON

39 What is the value of $\frac{3}{7} \times 0.1 \div \frac{5}{21}$?

- A $\frac{1}{98}$
- B $\frac{9}{50}$
- C $\frac{9}{5}$
- D $\frac{18}{1}$

44 Todd orders pictures from a photographer. Each picture costs \$7.50. A one-time shipping fee of \$3.25 is added to the cost of the order. The total cost of Todd's order before tax is \$85.75. How many pictures did Todd order?

Show your work.