

Name: _____

Class/Period: _____

Assignment: Tuesday Worksheet - State Assessment Review

Teacher: _____

1 Answer _____

Tonya pays \$300 each month to rent an office where she earns \$25 per hour tutoring students. Which equation represents Tonya's profit, y , for working x hours?

A $y = 25 + 300x$

B $y = 25x + 300$

C $y = 25 - 300x$

D $y = 25x - 300$

2 Answer _____

Erica saw a skateboard on sale for \$59.95. The original price of the skateboard was \$79.95. What is the **approximate** percent discount on the skateboard?

A 20%

B 25%

C 75%

D 80%

3 Answer _____

This table shows how much each type of meat costs at a local deli.

Type of Meat	Price Per Pound
Ham	\$5.99
Turkey	\$4.99
Roast Beef	\$6.99
Salami	\$2.99
Bologna	\$3.99

A customer purchased $\frac{1}{4}$ pound of ham, $1\frac{1}{2}$ pounds of turkey, 1 pound of roast beef, and $\frac{3}{4}$ pound of bologna. **Approximately** what will the customer pay for the purchase before sales tax?

A \$17

B \$19

C \$22

D \$25

4 Answer _____

At a store, a hat has a regular price of x dollars. During a sale, the price of the hat is discounted by 20%. The expression $0.8x$ describes the discounted price, in dollars, of the hat. Which expression also describes the discounted price, in dollars, of the hat?

- A $0.2x$
- B $x - 20$
- C $x - 0.2$
- D $x - 0.2x$

5 Answer _____

Lea wants to save money on a new computer. At the store near her, the computer she wants is listed at a regular price of \$400.00.

- On Saturday, the store will have a sale and discount the computer by 30%.
- Shoppers who buy a computer that same Saturday before 9:00 a.m. will also receive an additional 10% off the sale price.

How much will Lea pay, without tax, when she buys the computer that Saturday before 9:00 a.m.?

- A \$148.00
- B 160.00
- C \$240.00
- D \$252.00

6 Answer _____

What is the value of the expression $\left(-\frac{5}{6}\right) \div \left(-\frac{3}{4}\right) \times \left(4\frac{1}{2}\right)$?

- A $2\frac{13}{16}$
- B $-2\frac{13}{16}$
- C -5
- D 5

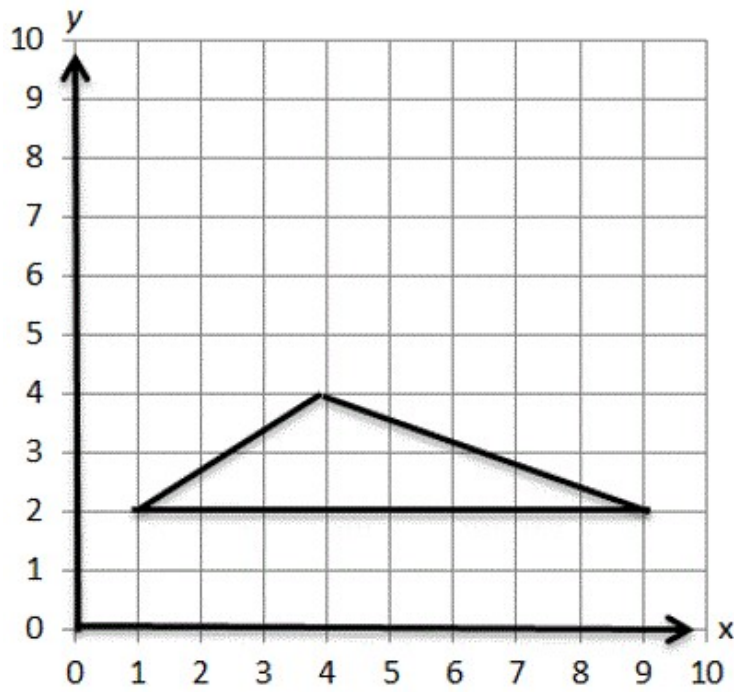
7 Answer _____

The width of a rectangle is $8\frac{1}{3}$ inches. The length of the rectangle is twice the width. What is the perimeter of the rectangle?

- A $16\frac{2}{3}$
- B $49\frac{1}{3}$
- C 50
- D 52

8 Answer _____

The scale drawing of a field in the shape of a triangle is shown below.



Key

_____ = 2.5 meters

What is the actual area, in square meters, of this field?

- A 8
- B 16
- C 50
- D 100

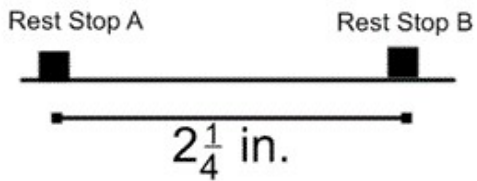
9 Answer _____

In a scale drawing of a recreational center, 1 centimeter represents $4\frac{1}{2}$ feet. If the length of a pool at the center is $5\frac{2}{3}$ cm on the scale drawing, what is the actual length, in feet, of the pool?

- A $1\frac{1}{6}$
- B $9\frac{1}{3}$
- C $12\frac{3}{4}$
- D $25\frac{1}{2}$

10 Answer _____

The Miller family is traveling on a family vacation. They stop at rest stop *A* along the way. The map, shown below, has a scale of 1 inch to 38 miles.



The Miller family plans to stop at rest stop *B* next. What is the actual distance, in miles, between the two rest stops?

- A 16.90
- B 40.25
- C 76.25
- D 85.50

11 Answer _____

If the expression below has a negative value, which inequality represents all possible values of n in the expression?

Expression: $-\frac{3}{5}n$

- A $n < 0$
- B $n > 0$
- C $n \leq 0$
- D $n \geq 0$

12 Answer _____

Mr. Wilson needs a total of 482 spoons for a cake tasting at his bakery. He currently has 250 spoons. If each set contains 25 spoons, what is the minimum number of sets of spoons he should buy?

- A 8
- B 9
- C 10
- D 11

13 Answer _____

Which number is equivalent to $\frac{49}{11}$?

- A 4.45
- B $4.\overline{45}$
- C $4.4\overline{5}$
- D 4.4545

14 Answer _____

Callean is running for city council. To get her name on the ballot, she needs at least 10,000 signatures. She already has 420 signatures. Her and her two friends plan on getting the rest of the signatures she needs this week. Which inequality can be used to determine how many signatures each person must get if each person gets the same amount of signatures?

- A $3x + 420 \leq 10000$
- B $3x + 420 \geq 10000$
- C $3x + 10000 \leq 420$
- D $3x + 10000 \geq 420$

15 Answer _____

Luke is having a birthday party. He can spend no more than \$300.00. He buys decorations that cost \$75.00. He wants to spend the rest of the money on pizza. If each pizza pie costs \$15.00, which inequality can be used to determine the most amount of pizza pies Luke can order?

- A $15x + 300 \leq 75$
- B $15x + 300 \geq 75$
- C $15x + 75 \leq 300$
- D $15x + 75 \geq 300$

16 Answer _____

Charlotte needs at least 60 signatures from students in school so that she can run for student government president. She already has 12 signatures. Her and her three friends plan to get the remaining signatures during gym. If each person gets the same number of signatures, which inequality can Charlotte use to determine the minimum number of signatures each person should get so she can run for student government president?

- A $4x + 60 \leq 12$
- B $4x + 12 \geq 60$
- C $4x + 12 \leq 60$
- D $4x + 60 \geq 12$

17 Answer _____

Which expression has the same value as $46.1 - 97.2$?

- A $46.1 + (-97.2)$
- B $-46.1 + 97.2$
- C $97.2 - 46.1$
- D $97.2 - (-46.1)$

18 Answer _____

The measure of one side of a square is $(s + 5)$ inches long. Which pair of expressions represents the perimeter of the square?

- A $4s + 5$ and $(s + 5) + (s + 5) + (s + 5) + (s + 5)$
- B $2(s + 5)$ and $(s + 5)(s + 5)$
- C $4(s + 5)$ and $(s + 5) + (s + 5) + (s + 5) + (s + 5)$
- D $4s + 5$ and $4s + 20$

19 Answer _____

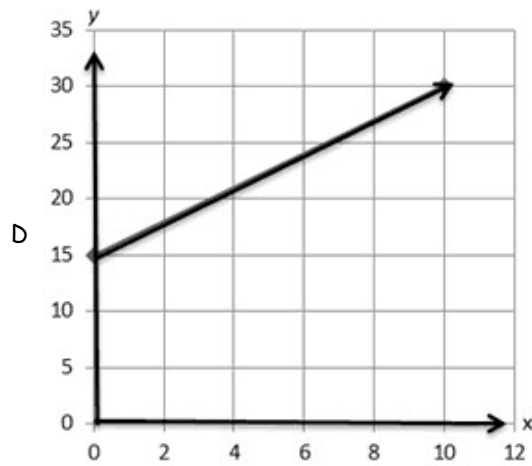
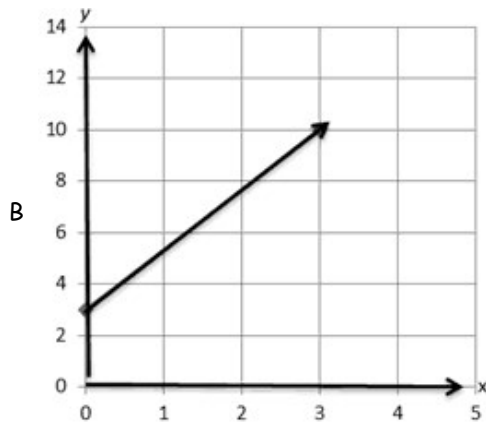
Which representation shows a proportional relationship between x and y ?

A

x	y
2	5
4	10
6	15
10	25

C

x	y
2	4
4	8
8	20
16	44



20 Answer _____

Mr. Becker bought x number of uniforms for the new members of the marching band. The cost for x uniforms, including \$9.99 shipping, was \$187.49. Each uniform cost \$35.50. There was no sales tax on this purchase.

Which equation could be used to find x , the number of uniforms bought?

- A $35.50x + 9.99 = 187.99$
- B $9.99x + 35.50 = 187.99$
- C $35.50(9.99 + x) = 187.99$
- D $9.99(x + 35.50) = 187.99$

21 Answer _____

Sophie wrote a petition to eliminate uniforms in her middle school. The principal told her that her petition would be considered if she could get more than 200 students to sign it. Which inequality could represent the number of students Sophie needs to get to sign her petition, s , if she has already gotten 36 students to sign it?

- A $s < 164$
- B $s \leq 164$
- C $s > 164$
- D $s \geq 164$

22 Answer _____

Tristan and Jordan are starting a new job in another city. They bought a map and have highlighted the route they will take. The scale on the map is 1.5 inch = 45 miles. If the city is 7 inches away from their hometown on the map, how many miles do they have to drive before they reach the city?

- A 315 miles
- B 210 miles
- C 68 miles
- D 472 miles

23 Answer _____

Matt is in the market to buy some new pants. He sees this sign on the door of a store.



The cost for one pair of pants is \$37.80 and the store applies a 6.85% tax. Matt is going to buy five pairs of pants. What is the mean price for each pair of pants, including tax, to the nearest cent?

- A \$22.21
- B \$28.27
- C \$36.34
- D \$40.38

24 Answer _____

Thomas went to the store to buy some clothes. He noticed the following prices.

- Shorts were \$25.60 per pair.
- Shirts were \$16.85 per shirt.
- Socks were \$5.95 per pair.

Thomas bought 3 pairs of shorts and 5 shirts. He also had to include 8.5% sales tax on his total purchases. To the nearest cent, how much money did he spend?

- A \$161.05
- B \$174.74
- C \$178.55
- D \$193.73

25 Answer _____

What is the result when $8x + 3$ is subtracted from $-2x + 5$?

- A $-10x + 2$
- B $10x - 2$
- C $6x + 8$
- D $-10x + 8$

26 Answer _____

A video game originally costs \$49.99. It was discounted 15%. What is the sale price of the game?

- A \$7.50
- B \$34.99
- C \$42.49
- D \$57.49

27 Answer _____

Yesterday, the temperature was 80°F. Today, the high temperature was 75°F. What was the percent of change in the temperature?

- A 5%
- B 6.25%
- C 37.5%
- D 93.75%

28 Answer _____

If $\frac{3}{4}$ of a gallon of paint covers $\frac{2}{5}$ of a wall, then how many gallons are needed to paint the entire wall?

- A $1\frac{7}{8}$ gallons
- B $\frac{3}{10}$ of a gallon
- C $\frac{8}{15}$ of a gallon
- D $1\frac{3}{20}$ gallons

29 Answer _____

A cashier who makes \$7.50 per hour gets a raise of $\frac{1}{10}$ his current hourly pay. How much will he make per hour after the raise?

- A \$0.75
- B \$7.60
- C \$8.25
- D \$10.00

30 Answer _____

The sale price of a TV that is currently 30% off the regular price of \$328 can be found using any expression below *except*:

- A 0.3×328
- B 0.7×328
- C $328 - 0.3 \times 328$
- D $\frac{328 \times 70}{100}$