

8.EE.8c(1) Snapshot Assessment
EMPHASIZED

| | |
|--------------|-----------|
| Score | |
| □ | = _____ % |
| 10 | |

Name: _____

Class: _____

Date: _____

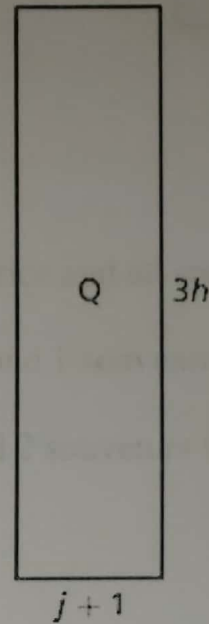
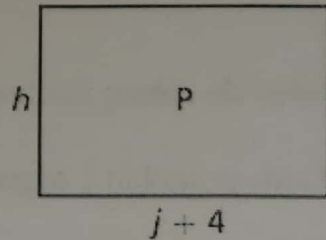
1. Erica wants to rent a truck for one day. She contacted two companies. Boyd's Truck Rentals charges \$5 per mile. Wiggan's Truck Rentals charges \$20 plus \$3 per mile. After how many miles will the total cost for both companies be the same?
(1 point)

- a. 2.5 b. 10 c. 20 d. 60

2. Gary Sullivan is buying two types of gift cards to give as prizes to employees at a company meeting. He will buy restaurant gift cards that each cost \$50. He will also buy movie theater gift cards that each cost \$20. He has \$450 to buy a total of 15 gift cards. How many of each type of gift card can Gary Sullivan buy?
(1 point)

- a. He can buy 5 restaurant gift cards and 10 movie theater gift cards.
b. He can buy 8 restaurant gift cards and 7 movie theater gift cards.
c. He can buy 10 restaurant gift cards and 5 movie theater gift cards.
d. He can buy 12 restaurant gift cards and 3 movie theater gift cards.

3. Two rectangles are shown below. Rectangle P has a perimeter of 20 inches. Rectangle Q has a perimeter of 30 inches.



What are the values of j and h ?

(1 point)

a. $j = 3, h = 3$

c. $j = 2, h = 4$

b. $j = 10, h = 4$

d. $j = 9.5, h = 6.5$

4. The amount of revenue in dollars, y , that Jason receives from selling x posters is given by the equation $y = 4x$. The cost of producing x posters is given by the equation $y = \frac{1}{2}x + 280$. How many posters does Jason need to sell so that the cost and revenue are equal?

(1 point)

a. 40

b. 80

c. 140

d. 320

8.EE.8c(2) Snapshot Assessment
EMPHASIZED

| |
|---|
| <u>Score</u> $\frac{\square}{5} = \underline{\quad\quad} \%$ |
|---|

Name: _____

Class: _____

Date: _____

1. At a local basketball game, all tickets are the same price and all souvenirs are the same price.

Mr. Brown bought 2 tickets to this basketball game and 1 souvenir for a total of \$17.25.

Ms. Longhorn bought 5 tickets to the same game and 2 souvenirs for a total of \$42.00. How much was a ticket to this game?

(2 points)

a. \$2.25

b. \$7.50

c. \$8.50

d. \$9.75

2. A school district transported a total of 409 students and teachers to a zoo in buses and vans.

- Each bus transported a total of 55 students and teachers.
- Each van transported a total of 12 students and teachers.
- There were 5 more buses than vans.

What is the total number of students and teachers who rode to the zoo in buses?

What is the total number of students and teachers who rode to the zoo in vans?

(3-Point Holistic Rubric)

Show your work.

Answer _____ students and teachers rode in buses

_____ students and teachers rode in vans

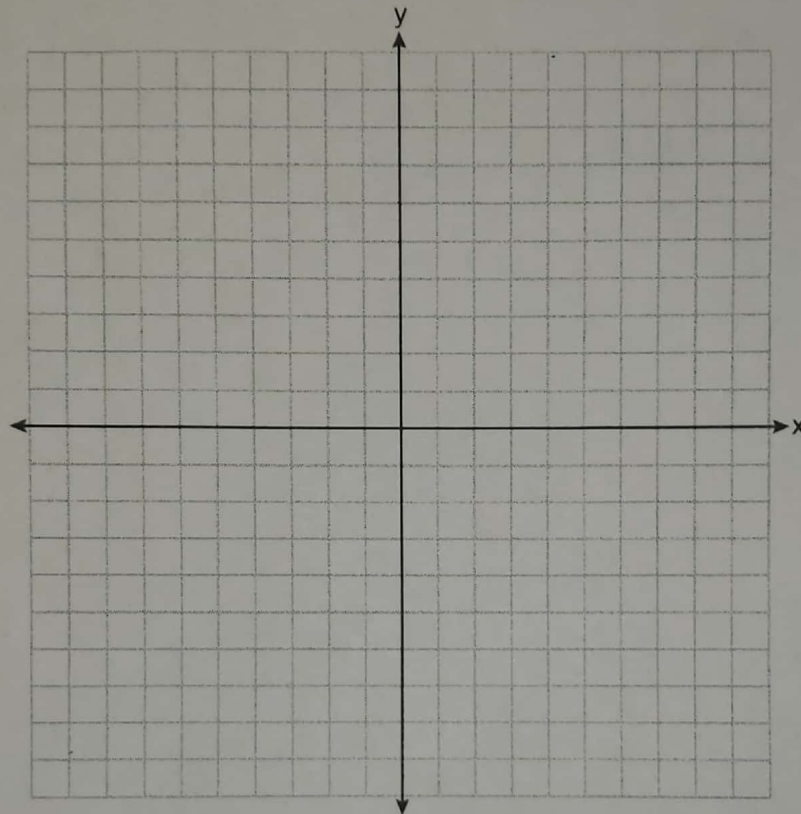
*Adapted from NYS Math Released Questions

Charlotte T. Morgan

34 Graph the system of inequalities:

$$-x + 2y - 4 < 0$$

$$3x + 4y + 4 \geq 0$$



Stephen says the point $(0,0)$ is a solution to this system. Determine if he is correct, and explain your reasoning.