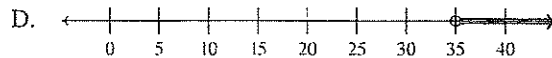
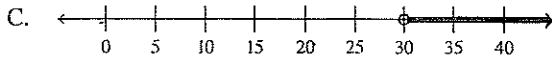
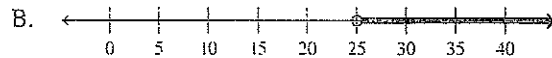
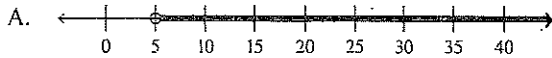


Review (Mock Assessment - Sample)

Name: _____

Date: _____

1. Yolanda participated in a walkathon in which each kilometer walked raised \$10 for charity. Her goal was to raise more than \$300 on Saturday and Sunday. She raised \$50 on Saturday. Which graph shows all the distances, in kilometers, that Yolanda could have walked on Sunday to reach her goal?



2. A triangle has side lengths of $(5.5x + 6.2y)$ centimeters, $(4.3x + 8.3z)$ centimeters, and $(1.6z - 5.1y)$ centimeters. Which expression represents the perimeter, in centimeters, of the triangle?

A. $11.4xz + 9.4yz$

B. $11.7xy + 12.6xz - 3.5yz$

C. $9.8x + 1.1y + 9.9z$

D. $9.8x + 7.8y + 3.5z$

3. Mr. Santino needs a total of 406 forks for his restaurant. He currently has 278 forks. If each set has 12 forks, what is the minimum number of sets of forks he should buy?

A. 11

B. 12

C. 128

D. 140

4. What is the value of the expression $(-\frac{8}{9}) \div (-\frac{2}{3}) \times (-4\frac{1}{2})$?

A. -6

B. $-\frac{8}{27}$

C. $\frac{8}{27}$

D. 6

5. The initial balance of a savings account was \$275. After which transactions will the balance of the savings account be the same as the initial balance?
- A. a withdrawal of \$232 followed by a deposit of \$132
 - B. a deposit of \$278 followed by a withdrawal of \$278
 - C. a withdrawal of \$115 followed by a deposit of \$312
 - D. a deposit of \$205 followed by a withdrawal of \$317

6. Three friends own a landscaping business. The number of hours each friend spent on the same project is shown in the table below.

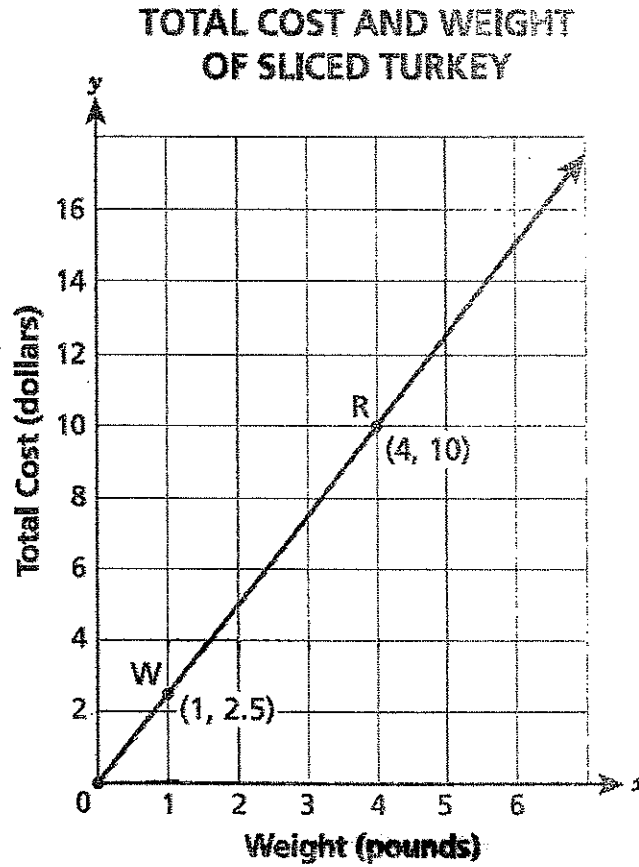
**HOURS WORKED ON
LANDSCAPING PROJECT**

| Name | Hours Worked |
|-------|-----------------|
| Edgar | $17\frac{1}{4}$ |
| Kelly | $18\frac{1}{4}$ |
| Shawn | $14\frac{1}{2}$ |

In total, they earned \$850 for the job. They put 15% of this amount into a joint savings account for future expenses. They then divided the rest proportionally based on the number of hours each worked. How much money did Shawn receive?

- A. \$209.53
- B. \$240.83
- C. \$283.48
- D. \$295.11

7. A grocery store sells sliced turkey. The graph shows the relationship between the weight of the sliced turkey and the total cost of the sliced turkey. Two points, R and W , are labeled on the graph shown below.



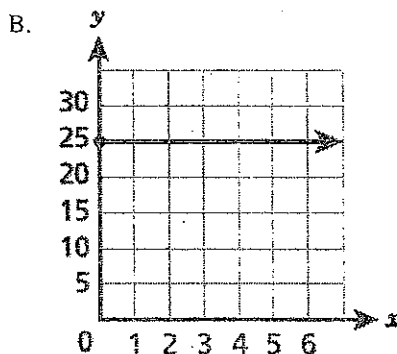
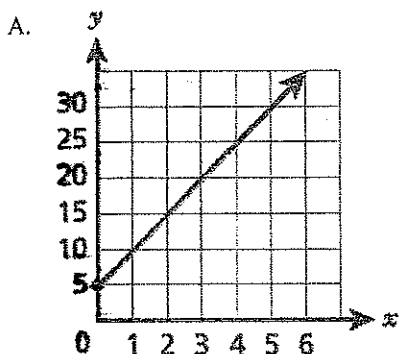
Which statement about the graph is true?

- A. Point R means that the unit rate is \$10.00 per pound.
- B. Point R means that the unit rate is 4 pounds per dollar.
- C. Point W means that the unit rate is \$2.50 per pound.
- D. Point W means that the unit rate is 2.5 pounds per dollar.

8. Carl wants to buy a television that costs \$500, including taxes. To pay for the television, he will use a payment plan that requires him to make a down payment of \$125, and then pay \$72.50 each month for 6 months. What is the percent increase from the original cost of the television to the cost of the television using the payment plan?

- A. 6% B. 12% C. 58% D. 89%

9. Which representation shows a proportional relationship between x and y ?



C.

| x | y |
|-----|-----|
| 2 | 8 |
| 4 | 16 |
| 8 | 24 |
| 12 | 32 |

D.

| x | y |
|-----|-----|
| 2 | 3 |
| 4 | 6 |
| 8 | 12 |
| 12 | 18 |

10. A circle has a diameter of 26 units. What is the area of the circle to the nearest hundredth of a square unit?

- A. 81.68 B. 530.93 C. 2,123.72 D. 8,494.87

11. In a scale drawing of an apartment, 1 centimeter represents $2\frac{3}{4}$ feet. If the length of the kitchen is $4\frac{1}{2}$ cm on the scale drawing, what is the actual length, in feet, of the kitchen?

- A. $6\frac{2}{3}$ B. $7\frac{1}{4}$ C. $8\frac{3}{8}$ D. $12\frac{3}{8}$