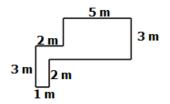


Missouri Sample Questions 6th Grade Math

Assessments will contain selected response items and technology-enhanced items as well as performance events.

Selected Response

- 1. Elliot has $\frac{5}{6}$ pound of ground beef to make hamburgers. How many $\frac{1}{4}$ -pound hamburgers can Elliot make?
 - A $3\frac{2}{3}$ hamburgers
 - **B** $3\frac{1}{3}$ hamburgers
 - **C** $2\frac{2}{3}$ hamburgers
 - **D** $2\frac{1}{3}$ hamburgers
- 2. A figure is drawn with the given dimensions.



What is the area of the figure?

- **A** 19 m²
- **B** 18 m²
- **C** 17 m²
- **D** 16 m^2
- 3. Kay owns a bakery. Last week, she paid \$45.84 for 12 gallons of milk.

How much can Kay expect to pay for 15 gallons of milk if the price per gallon remains the same?

- **A** \$57.30
- **B** \$48.84
- **C** \$42.84
- **D** \$36.67

4. Which *two* situations are *appropriately* represented by a negative integer?

- A the coldest temperature ever recorded in Alaska
- B the depth at which an inchworm is found in the dirt
- **C** the elevation of a mountaintop
- D the height at which an airplane is flying
- **E** the total distance traveled along a river by a kayak

Performance Event

5. The table shows the costs of different pairs of shoes at two different stores. Walk-for-Less sells the same shoes as the Department Store for a discounted price.

	Department Store	Walk-for-Less
Pair 1	\$15.00	\$12.00
Pair 2	\$20.00	\$16.00
Pair 3	\$25.00	\$ 20 .00
Pair 4	\$35.00	\$28.00
Pair 5	\$45.00	\$36.00

Part A

What is the percent discount on each pair of shoes at Walk-for-Less when compared to the price of the pair of shoes at the Department Store?

Part B

If a pair of shoes costs \$30.00 at the Department Store, what is the cost of the pair of shoes at Walk-for-Less?