1. At a party, 10 people equally shared $2\frac{1}{2}$ gallons of ice cream. How much ice cream did each person eat?

   A. $\frac{1}{5}$ gal

   B. $\frac{1}{4}$ gal

   C. $\frac{2}{5}$ gal

   D. $\frac{3}{4}$ gal

2. Stan draws sketches on rectangular sheets of paper. The dimensions of each sheet of paper are shown below.

   0.5 m

   0.8 m

   Stan will hang 6 of these sketches on the wall. If they do not overlap, what is the total area they will cover?

   F. 240 m^2

   G. 24 m^2

   H. 2.4 m^2

   I. 0.24 m^2

3. A jar of peanut butter costs $2.79. What is the *exact* cost, in dollars per ounce, of the peanut butter?

   EXTRA CRUNCHY
   PEANUT BUTTER
   100% NATURAL   15 oz

4. Which number is equivalent to $7 \div 8$?

   A. 0.56

   B. 0.875

   C. 1.14

   D. 7.8

5. What is the value of the expression below when $a = 0.02$, $b = 0.6$, and $c = 0.03$?

$$a(b \div c)$$

   F. 0.00004   **H.** 0.04

   G. 0.0004   **I.** 0.4

6. Your friend divided two decimal numbers. Her work is shown in the box below. What should your friend change in order to divide the two decimal numbers correctly?

$$0.07\overline{)14.56} \rightarrow 7\overline{)14.56} \quad (2.08)$$

   A. Rewrite the problem as $0.07\overline{)0.1456}$.   **C.** Rewrite the problem as $7\overline{)0.1456}$.

   B. Rewrite the problem as $0.07\overline{)1456}$.   **D.** Rewrite the problem as $7\overline{)1456}$.

7. What is the value of the expression below?

$$8\frac{1}{2} \times 5\frac{3}{4}$$

   F. $40\frac{3}{8}$ **H.** $48\frac{1}{4}$

   G. $41\frac{1}{4}$ **I.** $48\frac{7}{8}$

8. David's mother flew on an airplane for a business trip. The airplane averaged 500 miles per hour for the entire 1250 mile flight. The airplane spent 45 minutes on the runway. How many hours did David's mother spend on the airplane?

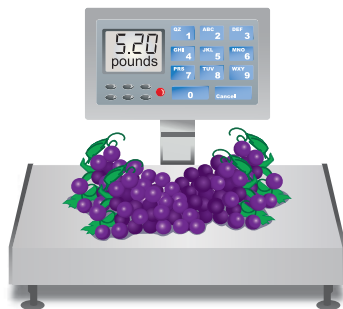**9.** Which expression is equivalent to the expression below?

$$2(m + n)$$

   A. $2m \times 2n$ **C.** $(2 + m) \times (2 + n)$

   B. $2m + 2n$ **D.** $(2 + m) + (2 + n)$

10. You bought some grapes at a farm stand. You paid $2.60 per pound.

What was the total amount that you paid for the grapes?

F. $0.50

G. $5.00

H. $7.80

I. $13.52

11. It costs approximately $0.19 to dry a load of laundry in a clothes dryer that runs on natural gas. Which of the following is closest to the number of loads that can be dried for $100?

A. 5

B. 50

C. 500

D. 5000

12. Which expression is equivalent to the expression below?

$$k \div 3\frac{1}{3}$$

F. $k \cdot \dfrac{3}{10}$

G. $k \cdot \dfrac{10}{3}$

H. $k \div \dfrac{3}{10}$

I. $k \div \dfrac{7}{3}$

13. You need 22 ounces of oats and 12 ounces of sugar for a cookie recipe.

Think
Solve
Explain

Cookie Ingredients
as seen in weekly flyer
Oats $4.59
Sugar $3.49

What is the total cost, in dollars to the nearest cent, of the oats and sugar for your recipe? Show your work and explain your reasoning. (1 pound = 16 ounces)