



Name _____ Class _____ Date _____

1 What is **x is to 45** as **9 is to 90** written as a **proportion**?

- A $\frac{x}{9} = \frac{90}{45}$
- B $\frac{x}{45} = \frac{90}{9}$
- C $\frac{x}{45} = \frac{9}{90}$
- D $\frac{45}{x} = \frac{9}{90}$

3 Mariah is making a batch of cookies. A batch needs **3 cups** of flour and **2 cups** of oatmeal to make enough cookies for **16** people. If Mariah wants to make enough cookies for **80** people, what **proportion** could she use to find how much **flour** is needed?

- A $\frac{2 \text{ cups}}{3 \text{ cups}} = \frac{16 \text{ people}}{x}$
- C $\frac{3 \text{ cups}}{16 \text{ people}} = \frac{80 \text{ people}}{x}$

5



PREVIEW

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7

Where should she buy the strawberries:

- A fruit stand
- B store
- C same price
- D need more information

9

A farmer grows beans and sells them to grocery stores. Food Town will pay him **\$45** for **26 lb** of beans. Grocery City will pay him **\$52** for **32 lb** of beans. He wants to make the most money he can.

To which store should he sell his beans?

- A Food Town
- B Grocery City
- C same price
- D need more information

2

Lindsey is building a model of her house. She wants to use the ratio of **1 inch** for every **5 feet**. If her house is **35** feet tall, which **proportion** should she use to get the height of her model?

- A $\frac{1}{35} = \frac{x}{5}$
- B $\frac{x}{5} = \frac{35}{1}$
- C $\frac{1}{5} = \frac{x}{35}$
- D $\frac{35}{5} = \frac{1}{x}$

4

Logan is reading a novel. He reads two chapters in **38** minutes. The novel is **57** chapters long. How long will it take him to read the novel?

- A 1.5 hours
- B 3 hours

10

A baker needs flour. He can buy it bulk for **\$7.50** for **25 lb** or buy it at Save-a-Lot for **\$1.35** for **5 lb**. If he buys the flour for the cheaper price, how much money will he save if he buys **375 lb**?

- A \$0.27
- B \$0.30
- C \$11.25
- D \$12.80



ANSWER KEY

What is **x** is to **45** as **9** is to **90** written as a **proportion**?

A $\frac{x}{9} = \frac{90}{45}$

C $\frac{x}{45} = \frac{9}{90}$

B $\frac{x}{45} = \frac{90}{9}$

D $\frac{45}{x} = \frac{9}{90}$

(C)

Lindsey is building a model of her house. She wants to use the ratio of **1 inch** for every **5 feet**. If her house is **35 feet** tall, which **proportion** should she use to get the height of her model?

A $\frac{1}{35} = \frac{x}{5}$

C $\frac{1}{5} = \frac{x}{35}$

B $\frac{x}{5} = \frac{35}{1}$

D $\frac{35}{5} = \frac{1}{x}$

(C)

Mariah is making a batch of cookies. A batch needs **3 cups** of flour and **2 cups** of oatmeal to make enough cookies for **16 people**. If Mariah wants to make enough cookies for **80 people**, what **proportion** could she use to find how much **flour** is needed?

A $\frac{2 \text{ cups}}{3 \text{ cups}} = \frac{16 \text{ people}}{x}$

C $\frac{3 \text{ cups}}{16 \text{ people}} = \frac{80 \text{ people}}{x}$

B

D

(d)

Logan is reading a novel. He reads two chapters in **38 minutes**. The novel is **57 chapters** long. **How long will it take him to read the novel?**

A 1.5 hours

B 3 hours

C 17 hours

(d)



PREVIEW

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- A** fruit stand
- B** store
- C** same price
- D** need more information

- A** Good Gas
- B** Friendly Gas
- C** same price
- D** need more information

A farmer grows beans and sells them to grocery stores. Food Town will pay him **\$45** for **26 lb** of beans. Grocery City will pay him **\$52** for **32 lb** of beans. He wants to make the most money he can.

To **which store** should he sell his beans?

(a)

- A** Food Town
- B** Grocery City
- C** same price
- D** need more information

A baker needs flour. He can buy it bulk for **\$7.50** for **25 lb** or buy it at Save-a-Lot for **\$1.35** for **5 lb**. If he buys the flour for the cheaper price, how much money will he save if he buys **375 lb**?

(c)

- A** \$0.27
- B** \$0.30
- C** \$11.25
- D** \$12.80