



Name _____ Class _____ Date _____

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

A graphic of a book with four pages showing different proportion equations:

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

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

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

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**



PREVIEW

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7 for **15 quarts** for **\$33.75**. She wants the **better buy**.

Where should she buy the strawberries?

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

bought gas at Friendly Gas for **\$80.73** for **27 gallons**.

Which gas station has the **better price**?

- A Good Gas
 B Friendly Gas
 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

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 C \$11.25
 B \$0.30 D \$12.80



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