



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Which **proportion** represents the following?  
**five is to fifteen as three is to nine**

A  $\frac{5}{3} = \frac{15}{9}$       C  $\frac{5}{15} = \frac{3}{9}$

B  $\frac{15}{5} = \frac{9}{3}$       D  $\frac{5}{9} = \frac{15}{3}$

3 Which **proportion** can be used to solve for **x**, if **32 inches** is to **40 inches** as **x** is to **100 inches**?

A  $\frac{32}{40} = \frac{100}{x}$       C  $\frac{32}{100} = \frac{40}{x}$

B  $32 = x$       D  $40 = x$

2 The ratio **27 inches** is to **6 inches** is **equal** to which **ratio**?

A  $\frac{52 \text{ in.}}{12 \text{ in.}}$       C  $\frac{13 \text{ in.}}{3 \text{ in.}}$

B  $\frac{3.5 \text{ in.}}{1 \text{ in.}}$       D  $\frac{9 \text{ in.}}{2 \text{ in.}}$

4 Which **proportion** can be used to solve for **x**, if **54 ft** is to **x** as **81 ft** is to **42 ft**?

A  $\frac{x}{54} = \frac{81}{42}$       C  $\frac{x}{42} = \frac{81}{54}$

B  $54 = x$       D  $54 = 81$

5 If a word is a noun, it can be a subject or an object.



## PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

7 If the price of an item is \$2.99 per pound, the price is an example of a **rate**.

- A \$.39/lb
- B \$.39/lb
- C \$.44/lb
- D \$.49/lb

- A 36
- B 37
- C 38
- D 39

9 The quotient,  $\frac{\$24.99}{8}$  gallons, is an example of a **rate**.

**True or false?**

- A true
- B false

10 A **six-pack** of **8-oz** cans of soda cost **\$2.99**. A **67-oz** bottle of soda costs **\$1.39**. The six-pack is a better buy.

**True or false?**

- A true
- B false



## ANSWER KEY

Which **proportion** represents the following?

**five is to fifteen as three is to nine**

**A**  $\frac{5}{3} = \frac{15}{9}$

**C**  $\frac{5}{15} = \frac{3}{9}$

(C)

**B**  $\frac{15}{5} = \frac{9}{3}$

**D**  $\frac{5}{9} = \frac{15}{3}$

The ratio **27 inches** is to **6 inches** is **equal** to which **ratio**?

**A**  $\frac{52 \text{ in.}}{12 \text{ in.}}$

**C**  $\frac{13 \text{ in.}}{3 \text{ in.}}$

(d)

**B**  $\frac{3.5 \text{ in.}}{1 \text{ in.}}$

**D**  $\frac{9 \text{ in.}}{2 \text{ in.}}$

Which **proportion** can be used to solve for **x**, if **32 inches** is to **40 inches** as **x** is to **100 inches**?

**A**  $\frac{32}{40} = \frac{100}{x}$

**C**  $\frac{32}{100} = \frac{40}{x}$

(b)

**B**  $\frac{32}{40} = \frac{x}{100}$

**D**  $\frac{40}{100} = \frac{x}{32}$

Which **proportion** can be used to solve for **x**, if **54 ft** is to **x** as **81 ft** is to **42 ft**?

**A**  $\frac{x}{54} = \frac{81}{42}$

**C**  $\frac{x}{42} = \frac{81}{54}$

(d)

**B**  $\frac{54}{81} = \frac{x}{42}$

**D**  $\frac{54}{x} = \frac{81}{42}$



## PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

The quotient,  $\frac{\$24.99}{8}$  gallons, is an example of a **rate**.

**True or false?**

- A** true
- B** false

(a)

A **six-pack** of **8-oz** cans of soda cost **\$2.99**. A **67-oz** bottle of soda costs **\$1.39**. The six-pack is a better buy.

**True or false?**

- A** true
- B** false

(b)