Ratios, proportions and percents

Name_____ Class_____ Date_____

1 Sally drives **60 miles** to Buffalo.
It takes her **58 minutes**. Devon drives
100 miles to Syracuse and it takes him
$1\frac{1}{2}$ **hours**. Sally is driving faster.

True or false?

A true
B false

2 Kara reads **1,967** words in **7** minutes.
Julie reads **1,620** words in **6** minutes.
Kara reads faster than Julie.

True or false?

A true
B false

3 **Two ratios** that are **equal** to each other
form an **equation** called a _____.

A rate
B ratio

$$\frac{2}{?} = \frac{1}{?}$$

4 The proportion, $\frac{6}{8} = \frac{x}{36}$, can be solved
using the **Cross Product Property**.
Which equation correctly represents
the Cross Product Property?

5

PREVIEW

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A 12
B 19
C 27
D 36

B 32.5
C 42.9
D 65

9 Two rectangular pillows are similar.
The larger pillow measures
42 in. x 21 in. (ℓ x w). If the smaller
pillow has a length of **12 in.**,
what is its **width**?

A 6 in.   **C** 25.2 in.
B 24 in.   **D** 73.5 in.

10 Two windows are similar. The taller
window measures **67 cm x 115 cm**
(b x h). If the **base** of the shorter
window is **45 cm**, what approximately
is the **height** of the shorter window?

A 26 cm   **C** 93 cm
B 77 cm   **D** 171 cm

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