



Name: _____

Date: _____

Tell whether the equations are proportional. Write Yes or No.

1. Example $\frac{6}{48} = \frac{2}{18}$ **No** 2. $\frac{15}{3} = \frac{3}{75}$ _____

3. $\frac{45}{24} = \frac{15}{8}$ _____ 4. $\frac{10}{3} = \frac{30}{9}$ _____

5. $\frac{12}{7} = \frac{48}{21}$ _____ 6. $\frac{6}{4} = \frac{36}{24}$ _____

Solve each proportion.

7.	Example $\frac{2}{3} = \frac{x}{27}$	$n = 18$
8.	$\frac{3}{7} = \frac{9}{x}$	_____
9.	$\frac{6}{11} = \frac{18}{x}$	_____
10.	$\frac{4}{9} = \frac{x}{81}$	_____
11.	$\frac{x}{5} = \frac{50}{125}$	_____
12.	$\frac{9}{x} = \frac{27}{39}$	_____
13.	$\frac{48}{96} = \frac{2}{x}$	_____



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Answer Key

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No

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3. $\frac{45}{24} = \frac{15}{8}$

Yes

4. $\frac{10}{3} = \frac{30}{9}$

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5. $\frac{12}{7} = \frac{48}{21}$

No

6. $\frac{6}{4} = \frac{36}{24}$

Yes

Solve each proportion.

7.	Example $\frac{2}{3} = \frac{x}{27}$	$n = 18$
8.	$\frac{3}{7} = \frac{9}{x}$	$x = 18$
9.	$\frac{6}{11} = \frac{18}{x}$	$x = 33$
10.	$\frac{4}{9} = \frac{x}{81}$	$x = 36$
11.	$\frac{x}{5} = \frac{50}{125}$	$x = 5$
12.	$\frac{9}{x} = \frac{27}{39}$	$x = 13$
13.	$\frac{48}{96} = \frac{2}{x}$	$x = 7$