math Antics Worksheets

Name:

Date:

Cross Multiplying to Find an Unknown

PRO 1

Instructions: For each of these proportions (without units), use the cross-multiplying procedure you learned in the video to solve for the unknown number 'n'.

1 $\frac{n}{9} = \frac{2}{3}$

$n \times 3 = 9 \times 2$

$\frac{n \times 3}{3} = \frac{18}{3}$

$n = 6$

2 $\frac{5}{n} = \frac{2}{8}$

3 $\frac{n}{4} = \frac{12}{6}$

4 $\frac{2}{9} = \frac{n}{45}$

5 $\frac{3}{8} = \frac{n}{32}$

6 $\frac{7}{3} = \frac{21}{n}$

7 $\frac{7}{3} = \frac{35}{n}$

8 $\frac{n}{6} = \frac{5}{30}$

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Cross Multiplying to Find an Unknown - Set 2

PRO 2

Instructions: For each of these proportions (without units), use the cross-multiplying procedure you learned in the video to solve for the unknown number 'n'. You can use a calculator for this set.

1 $\frac{n}{7} = \frac{2}{5}$

$n \times 5 = 7 \times 2$

$\frac{n \times 5}{5} = \frac{14}{5}$

$n = 2.8$

2 $\frac{8}{n} = \frac{15}{6}$

3 $\frac{n}{5} = \frac{3}{10}$

4 $\frac{7}{12} = \frac{n}{6}$

5 $\frac{3}{5} = \frac{n}{32}$

6 $\frac{4}{3} = \frac{51}{n}$

7 $\frac{5}{7} = \frac{1.2}{n}$

8 $\frac{n}{10} = \frac{3}{2.5}$