

Name: Class:

Do the ratios form a proportion

1. Say if the following pairs of ratios form a proportion.

$\frac{15}{10}$ and $\frac{3}{2}$

$\frac{30}{60}$ and $\frac{3}{9}$

$\frac{150}{100}$ and $\frac{36}{96}$

$\frac{25}{50}$ and $\frac{1}{2}$

$\frac{55}{75}$ and $\frac{4}{12}$

$\frac{300}{150}$ and $\frac{42}{60}$

$\frac{3}{4}$ and $\frac{9}{12}$

$\frac{900}{100}$ and $\frac{25}{50}$

$\frac{36}{36}$ and $\frac{1}{2}$

Evaluate the following ratios below and answer True or False.

 1. $\frac{8}{42}$ and $\frac{16}{84}$ form a proportion.

 True

 False

 2. $\frac{72}{28}$ and $\frac{7}{6}$ form a proportion.

 True

 False

 3. $\frac{4}{32}$ and $\frac{8}{30}$ do not form a proportion.

 True

 False

 4. $\frac{17}{8}$ and $\frac{1}{2}$ do not form a proportion.

 True

 False

 5. $\frac{3}{4}$ and $\frac{18}{12}$ form a proportion.

 True

 False

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1. Find if the given ratios are equivalent. If they are equivalent then they are proportional.

Find a common denominator of 10 and 2.

LCD of 10 and 2 = 10

Make $\frac{3}{2}$ to have a denominator of 10 $\frac{3 \times 5}{2 \times 5} = \frac{15}{10}$

Check if they are equivalent. Since $\frac{15}{10} = \frac{15}{10}$

Therefore, $\frac{15}{10}$ and $\frac{3}{2}$ form a proportion.

Evaluate the following ratios below and answer True or False.

1. $\frac{8}{42}$ and $\frac{16}{84}$ form a proportion.

True

False

2. $\frac{72}{28}$ and $\frac{7}{6}$ form a proportion.

True

False

3. $\frac{4}{32}$ and $\frac{8}{30}$ do not form a proportion.

True

False

4. $\frac{17}{8}$ and $\frac{1}{2}$ do not form a proportion.

True

False

5. $\frac{3}{4}$ and $\frac{18}{12}$ form a proportion.

True

False