Math Practice - Grade 7

M3 Ratios and proportional relationships - Do the ratios form a proportion?

M3 7.RP.1, 7.RP.2, 7.RP.2a, 7.RP.2b, 7.RP.2c, 7.RP.2d

Name: _____ Date: _____

Are the two ratios proportional? Circle Yes or No.

Example: Are 6/6 and 24/24 proportional?

How: Two ratios form a proportion when they are equivalent, so cross multiply or simplify both to the same ratio. If they are not equal, the answer is No.

$$\frac{6}{6} = \frac{24}{24}$$

Yes No

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1 **Are 12/1 and 60/5 proportional?**

$$\frac{12}{1} = \frac{60}{5}$$

Yes No

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2 **Are 5/12 and 15/36 proportional?**

$$\frac{5}{12} = \frac{15}{36}$$

Yes No

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3 **Are 6/5 and 12/10 proportional?**

$$\frac{6}{5} = \frac{12}{10}$$

Yes No

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Name: _____ Date: _____

Are the two ratios proportional? Circle Yes or No.

Example: Are 5/12 and 25/61 proportional?

How: Two ratios form a proportion when they are equivalent, so cross multiply or simplify both to the same ratio. If they are not equal, the answer is No.

$$\frac{5}{12} = \frac{25}{61}$$

Yes | No (No is circled)

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1 **Are 3/8 and 6/17 proportional?**

$$\frac{3}{8} = \frac{6}{17}$$

Yes | No

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2 **Are 12/5 and 60/25 proportional?**

$$\frac{12}{5} = \frac{60}{25}$$

Yes | No

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3 **Are 12/9 and 48/36 proportional?**

$$\frac{12}{9} = \frac{48}{36}$$

Yes | No

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Name: _____ Date: _____

Are the two ratios proportional? Circle Yes or No.

Example: Are 3/12 and 6/24 proportional?

How: Two ratios form a proportion when they are equivalent, so cross multiply or simplify both to the same ratio. If they are not equal, the answer is No.

$$\frac{3}{12} = \frac{6}{24}$$

(Yes) No

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1 **Are 7/7 and 28/28 proportional?**

$$\frac{7}{7} = \frac{28}{28}$$

Yes No

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2 **Are 9/7 and 18/15 proportional?**

$$\frac{9}{7} = \frac{18}{15}$$

Yes No

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3 **Are 7/2 and 14/4 proportional?**

$$\frac{7}{2} = \frac{14}{4}$$

Yes No