

Name: _____

Class/Block: _____ Date: _____

Is it a Proportion?

Look at the two ratios. Decide if these two ratios make a proportion. Explain why or why not.

| No. | Ratio 1 | Proportional or Not Proportional | Ratio 2 | Explain your reasoning and show how you know |
|-----|-----------------|--|-----------------|--|
| 1. | $\frac{1}{4}$ | <input type="checkbox"/> A. Proportional <input type="checkbox"/> B. Not Proportional | $\frac{2}{8}$ | |
| 2. | $\frac{3}{7}$ | <input type="checkbox"/> A. Proportional <input type="checkbox"/> B. Not Proportional | $\frac{7}{21}$ | |
| 3. | $\frac{1}{2}$ | <input type="checkbox"/> A. Proportional <input type="checkbox"/> B. Not Proportional | $\frac{2.5}{5}$ | |
| 4. | $\frac{18}{60}$ | <input type="checkbox"/> A. Proportional <input type="checkbox"/> B. Not Proportional | $\frac{3}{10}$ | |
| 5. | $\frac{6}{10}$ | <input type="checkbox"/> A. Proportional <input type="checkbox"/> B. Not Proportional | $\frac{10}{14}$ | |

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| No. | Ratio 1 | Proportional or Not Proportional | Ratio 2 | Are their scoring rates the same? Explain your reasoning and show how you know |
|------------------------|--|--|--|---|
| 6. | Abbey is on the soccer team. She has scored 6 goals in the first 8 games. | <input type="checkbox"/> A. Proportional <input type="checkbox"/> B. Not Proportional | Bart is on the soccer team. He has scored 12 goals in the first 16 games. | |
| 7. | Ann is on the field hockey team. She has scored 5 goals in the first 8 games. | <input type="checkbox"/> A. Proportional <input type="checkbox"/> B. Not Proportional | Bill is on the ice hockey team. He has scored 6 goals in the first 13 games. | |
| 8. | Alice is on the soccer team. She scored 8 goals in the first 10 games. Then she scored 4 more goals in the next 6 games. | | When did she have the <i>best</i> scoring rate? <input type="checkbox"/> A. The first 10 games <input type="checkbox"/> B. After she played all the games. | |
| Explain your thinking: | | | | |

