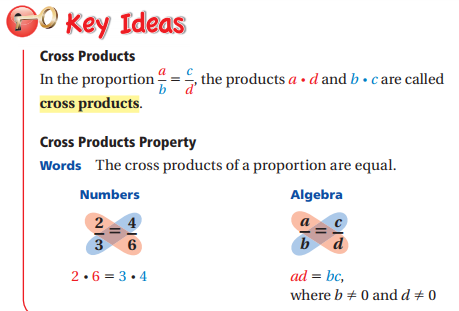
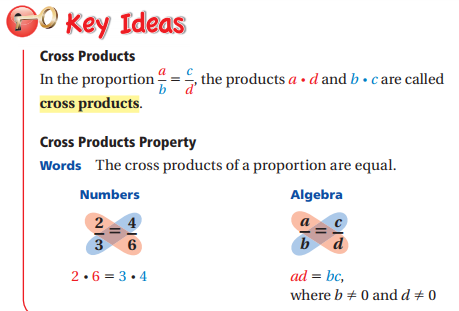
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_\_

**5.2B Proportions\_Classwork**

*Objective: use equivalent ratios to determine whether two ratios form a proportion; use the Cross Products Property to determine whether two ratios form a proportion. (CC.SS.7.RP.2a MP3: Construct Viable Argument)*

*HW: 5.2B worksheet*

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| ***REVIEW:*** *Solve each problem*   |  |  |  | | --- | --- | --- | |  |  |  | |

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| ***Tell whether the two rates form a proportion.***   |  |  | | --- | --- | | 1. 7 inches in 9 hours; 42 inches in 54 hours. | 1. 12 players from 21 teams, 15 players from 24 teams | | 1. 440 calories in 4 servings; 300 calories in 3 servings | 1. 120 units made in 5 days; 360 units made in 14 days | | 1. 66 wins in 172 at bats; 43 wins in 123 at bats | 1. 68 hits in 172 at bats; 43 hits in 123 bats | | 1. You can do 90 sit-ups in 2 minutes. Your friend can do 135 sit-ups in 3 minutes? Do these rates form a proportion? Explain. | 1. Find the heart rates of you and your friend. Do you these rates from a proportion? Explain. | | | |
| Each problem must be set up this way: |  |
| 1. Write the proportion |  |
| 1. Write the cross products |  |
| 1. Multiply |  |
| 1. Undo multiplication by using division |  |
| 1. divide |  |

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***Solve each proportion. Be sure to set it up the correct way and show all work.***

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