

NAME: _____

Mr. Hoffman

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HOFFKIDS MATH QUESTIONS (HMQ)

*JUST HIT FILE and PRINT the entire document. Work on it. Bring to class!

Question #	Topic	Math Questions												
HMQ289	Equal Ratios (Day 2)	<p>Two stores both sell electronics. Sam's Electronics has 42 DVD players and 6 CD players. Janice's Electronics has 14 DVD players and 2 CD players.</p> <p>On the lines below, explain whether or not both stores have the same ratio of DVD players to CD players?</p> <p>_____</p> <p>_____</p> <p>_____</p>												
HMQ290	Equal ratios (ratio table)	<p>The instructions from the company state that for every 3 cups of cleaning agent, you need to dilute it with 5 cups of water. Complete the table for four missing amounts.</p> <table border="1" data-bbox="440 852 1490 989"> <tr> <td>Amount of cleaning agent (cups)</td> <td>3</td> <td>9</td> <td>12</td> <td></td> <td></td> </tr> <tr> <td>Amount of water (cups)</td> <td>5</td> <td></td> <td></td> <td>35</td> <td>45</td> </tr> </table>	Amount of cleaning agent (cups)	3	9	12			Amount of water (cups)	5			35	45
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HMQ291	Equal ratios (ratio table)	<p>If 10 baseballs weigh a total of 75 ounces, how many baseballs will weigh just 15 ounces? Create and use a ratio table to help you.</p>												
HMQ292	Equal rates, (ratio table)	<p>While exercising, James found that his heart was beating 14 times every 5 seconds. His doctor wanted him to report the number of times it was beating per one minute. Use a ratio table to find the number of beats per one minute. Show your work.</p> <table border="1" data-bbox="440 1419 964 1640"> <thead> <tr> <th>number of beats</th> <th># of seconds</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>5</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	number of beats	# of seconds	14	5								
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HMQ293	Ratios (review)	<p>For every 4 cats there are 6 dogs at an animal shelter. Which one statement below shows an equal ratio relationship to the one above?</p> <p>A A teenager sends 2 texts every 3 minutes</p> <p>B A weight lifter lifts weights 2 days for every 5 days she rests</p> <p>C A parking lot has 5 cars for every 8 trucks</p> <p>D For every 8 days, 10 cars pass over the bridge</p>												

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HMQ294	Equal Ratios Problem Solving	<p>You have Mets players and Yankees players in a room together. The ratio of Mets players to Yankees players is 2:5. If there are 9 more Yankees players than Mets players in the room, how many Mets players are in the room? Use a ratio table to help you.</p>																																
HMQ295	Equal ratios (ratio table)	<p>Antonio and Maria each swam laps in a pool. Who has the best time per lap?</p> <p>Antonio</p> <table border="1" data-bbox="565 814 1495 898"> <tr> <td>Number of laps</td> <td>1</td> <td>2</td> <td>4</td> </tr> <tr> <td>Time (min)</td> <td></td> <td>10</td> <td>20</td> </tr> </table> <p>Maria</p> <table border="1" data-bbox="565 976 1495 1060"> <tr> <td>Number of laps</td> <td>1</td> <td>3</td> <td>6</td> </tr> <tr> <td>Time (min)</td> <td></td> <td>6</td> <td>12</td> </tr> </table> <p>Complete the table above and tell who has the best (fastest) time per lap.</p>	Number of laps	1	2	4	Time (min)		10	20	Number of laps	1	3	6	Time (min)		6	12																
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HMQ296	Ratio Tables (day 2)	<p>A bakery sells 5 apple muffins for every 2 bran muffins sold. Which table shows this ratio?</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="451 1371 786 1598"> <p>A</p> <table border="1"> <thead> <tr> <th>Apple</th> <th>Bran</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>2</td> </tr> <tr> <td>10</td> <td>12</td> </tr> <tr> <td>20</td> <td>22</td> </tr> </tbody> </table> </div> <div data-bbox="930 1371 1268 1598"> <p>C</p> <table border="1"> <thead> <tr> <th>Apple</th> <th>Bran</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>2</td> </tr> <tr> <td>18</td> <td>8</td> </tr> <tr> <td>20</td> <td>10</td> </tr> </tbody> </table> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div data-bbox="451 1646 786 1873"> <p>B</p> <table border="1"> <thead> <tr> <th>Apple</th> <th>Bran</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>4</td> </tr> <tr> <td>15</td> <td>6</td> </tr> <tr> <td>35</td> <td>14</td> </tr> </tbody> </table> </div> <div data-bbox="930 1646 1268 1873"> <p>D</p> <table border="1"> <thead> <tr> <th>Apple</th> <th>Bran</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>4</td> </tr> <tr> <td>30</td> <td>6</td> </tr> <tr> <td>40</td> <td>8</td> </tr> </tbody> </table> </div> </div>	Apple	Bran	5	2	10	12	20	22	Apple	Bran	5	2	18	8	20	10	Apple	Bran	10	4	15	6	35	14	Apple	Bran	20	4	30	6	40	8
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