

Name : _____

Topic: Math – Ratio – Comparing Three Quantities

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DIRECTIONS: Find the equivalent ratio.

<p>a) $3 : 4 : 5$</p> <div style="text-align: center;"> </div> <p>= _____ : 20 : _____</p>	<p>e) $7 : 3 : 9$</p> <div style="text-align: center;"> </div> <p>= _____ : _____ : 27</p>
<p>b) $11 : 4 : 7$</p> <div style="text-align: center;"> </div> <p>= 44 : _____ : _____</p>	<p>f) $8 : 1 : 13$</p> <div style="text-align: center;"> </div> <p>= 24 : _____ : _____</p>
<p>c) $9 : 5 : 4 = 36 : _____ : _____$</p>	<p>g) $4 : 5 : 1 = _____ : 50 : _____$</p>
<p>d) $2 : 8 : 5 = _____ : _____ : 30$</p>	<p>h) $7 : 3 : 5 = 49 : _____ : _____$</p>

DIRECTIONS: Write each ratio in its simplest form.

<p>a) $8 : 32 : 48$</p> <div style="text-align: center;"> </div> <p>= 1 : _____ : _____</p>	<p>e) $18 : 27 : 81$</p> <div style="text-align: center;"> </div> <p>= 2 : _____ : _____</p>
<p>b) $60 : 42 : 30$</p> <div style="text-align: center;"> </div> <p>= _____ : _____ : 5</p>	<p>f) $21 : 77 : 56$</p> <div style="text-align: center;"> </div> <p>= 3 : _____ : _____</p>
<p>c) $12 : 8 : 6 = _____ : _____ : _____$</p>	<p>g) $50 : 70 : 90 = _____ : _____ : _____$</p>
<p>d) $25 : 50 : 75 = _____ : _____ : _____$</p>	<p>h) $40 : 16 : 72 = _____ : _____ : _____$</p>

DIRECTIONS: Answer each problem.

1) At the general assembly, there were 68 grade 5 students, 17 grade 6 students and 34 grade 7 students. Find the ratio of the number of grade 5 students to that of the grade 6 students to that of the grade 7 students. Write your answer in simplest form.

2) Michelle poured 210ml of milk, 700ml of water, and 49ml of chocolate syrup onto a pitcher. Find the ratio of the volume of milk to that of the water to that of the chocolate syrup. Write your answers in simplest form.