











Understanding Proportions

Name: _____

In questions 1-4, circle the pictures that show equivalent proportional relationships. *There can be more than one answer.*

<p>1.</p> <p style="text-align: center;">Mixture 1</p>  <p style="text-align: center;">Mixture 2</p> 	<p>2.</p> <p style="text-align: center;">Mixture 1</p>  <p style="text-align: center;">Mixture 2</p> 	<p>3.</p> <p style="text-align: center;">Mixture 1</p>  <p style="text-align: center;">Mixture 2</p> 	<p>4.</p> <p style="text-align: center;">Mixture 1</p>  <p style="text-align: center;">Mixture 2</p> 
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In questions 5-9, circle the pairs of ratios that are proportional.

5. $\frac{5}{7} : \frac{6}{9}$	6. $\frac{2}{3} = \frac{8}{12}$	7. $\frac{21}{35} = \frac{18}{30}$	8. $\frac{10}{15} : \frac{3}{4}$	9. $\frac{8}{1}$ to $\frac{4}{1}$
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In questions 10-14, find the missing term in each proportion.

10. $\frac{1}{2} : \frac{6}{?}$	11. $\frac{9}{12} : \frac{?}{28}$	12. $\frac{4}{6}$ to $\frac{14}{?}$	13. $\frac{?}{3} : \frac{18}{21}$	14. $\frac{5}{?} = \frac{9}{9}$
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Solve both of the questions below. You may want to use a drawing to help you!

15. Luther and Rocco went to the movies last weekend. Luther bought a 16-ounce soda for \$3.50, and Rocco bought a 12-ounce soda for \$2.50. Who got a better buy? How do you know?

16. As best you can, draw 2 triangles that are proportional to the one shown below:

