












# RATIO PART-WHOLE PROBLEMS 6:2

<p>1. <b>Bird Feeder Visitors</b></p> <p>At a bird feeder, <b>5 sparrows</b> and <b>4 starlings</b> show up.</p> <p>a) What is the <b>ratio</b> of sparrows to starlings?</p> <p>b) What is the <b>ratio</b> of sparrows to all birds?</p> <p>c) What <b>proportion</b> of the birds are sparrows?</p>	<p>a)</p> <p>b)</p> <p>c)</p>
<p>2. <b>In the aquarium</b></p> <p>There are a group of <b>7 angelfish</b> and <b>5 clownfish</b> in an aquarium.</p> <p>a) What is the <b>ratio</b> of clownfish to angelfish?</p> <p>b) What is the <b>ratio</b> of clownfish to all fish?</p> <p>c) What <b>proportion</b> of the fish in the aquarium are clownfish?</p>	<p>a)</p> <p>b)</p> <p>c)</p>
<p>3. <b>Anyone for a pie?</b></p> <p>A pie shop bakes some meat pies and some vegetarian pies in the ratio of 8:5.</p> <p>a) What is the <b>ratio</b> of vegetarian pies to all pies?</p> <p>b) What <b>proportion</b> of the pies baked are <b>not</b> vegetarian?</p>	<p>a)</p> <p>b)</p>
<p>4. <b>Trees forever!</b></p> <p>A meadow is reforested with a group of <b>oak, maple and birch</b> trees in the ratio of 2:5:3.</p> <p>a) What is the <b>ratio</b> of maple trees to all trees in simplest form?</p> <p>b) What <b>proportion</b> of the trees planted are <b>not</b> birch?</p>	<p>a)</p> <p>b)</p>
<p>5. <b>Total mix-up</b></p> <p>Tyger is mixing some brown paint. He uses 2 parts blue to 3 parts red to 1 part yellow.</p> <p>a) Write the ratio of blue paint to all paint and simplify it.</p> <p>b) What proportion of the paint used is yellow?</p>	<p>a)</p> <p>b)</p>



# RATIO PART-WHOLE PROBLEMS 6:2 ANSWERS

<p>1. <b>Bird Feeder Visitors</b> At a bird feeder, <b>5 sparrows</b> and <b>4 starlings</b> show up.</p> <p>a) What is the <b>ratio</b> of sparrows to starlings? b) What is the <b>ratio</b> of sparrows to all birds? c) What <b>proportion</b> of the birds are sparrows?</p>	<p> </p> <p>a) <u>5:4</u> b) <u>5:9</u> c) <u>5/9</u></p>
<p>2. <b>In the aquarium</b> There are a group of <b>7 angelfish</b> and <b>5 clownfish</b> in an aquarium.</p> <p>a) What is the <b>ratio</b> of clownfish to angelfish? b) What is the <b>ratio</b> of clownfish to all fish? c) What <b>proportion</b> of the fish in the aquarium are clownfish?</p>	<p> </p> <p>a) <u>5:7</u> b) <u>5:12</u> c) <u>5/12</u></p>
<p>3. <b>Anyone for a pie?</b> A pie shop bakes some meat pies and some vegetarian pies in the ratio of 8:5.</p> <p>a) What is the <b>ratio</b> of vegetarian pies to all pies? b) What <b>proportion</b> of the pies baked are <b>not</b> vegetarian?</p>	<p></p> <p>a) <u>5:13</u> b) <u>8/13</u></p>
<p>4. <b>Trees forever!</b> A meadow is reforested with a group of <b>oak</b>, <b>maple</b> and <b>birch</b> trees in the ratio of 2:5:3.</p> <p>a) What is the <b>ratio</b> of maple trees to all trees in simplest form? b) What <b>proportion</b> of the trees planted are <b>not</b> birch?</p>	<p></p> <p>a) <u>5:10 = 1:2</u> b) <u>7/10</u></p>
<p>5. <b>Total mix-up</b> Tyger is mixing some brown paint. He uses 2 parts blue to 3 parts red to 1 part yellow.</p> <p>a) Write the ratio of blue paint to all paint and simplify it. b) What proportion of the paint used is yellow?</p>	<p>  </p> <p>a) <u>2:6 = 1:3</u> b) <u>1/6</u></p>