

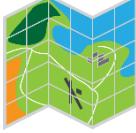


MIXED RATIO PROBLEMS 6:3

<p>1. Bird Feeder Visitors</p>   <p>At a bird feeder, 24 sparrows and 18 starlings show up.</p> <p>What is the simplified ratio of sparrows to starlings?</p>	
<p>2. Ocean Clean-Up Crew</p> <p>A team collects trash from the beach in a ratio of 5 plastic pieces to every 3 metal pieces.</p> <p>If they manage to collect a total of 96 pieces of plastic and metal trash, how many pieces of each do they collect?</p> 	
<p>3. Let's Bake</p>   <p>A cookie recipe has a sugar to flour ratio of 3:4.</p> <ol style="list-style-type: none"> If I want to bake several batches of cookies and use 12 cups of sugar, how much flour do I need? How much sugar is used for each cup of flour? 	
<p>4. Rainforest Animals</p>  <p>In a rainforest exhibit, the ratio of monkeys to parrots is 3:4.</p> <p>If the zoo wants to keep the same ratio but increase the number of monkeys to 24, how many parrots should they have?</p>	
<p>5. Pizza Party</p>  <p>Tyger is having a pizza party. He buys 7 pizza for every 5 guests.</p> <ol style="list-style-type: none"> How many guests will 42 pizza serve? How much pizza is he allowing per person? 	
<p>6) Let's get mapping</p> <p>A map has a scale of 5 inches : 4 miles.</p> <ol style="list-style-type: none"> How many inches is 32 miles on the map? How many inches are there for each mile on the map? 	



MIXED RATIO PROBLEMS 6:3 ANSWERS

<p>1. Bird Feeder Visitors</p>  <p>At a bird feeder, 24 sparrows and 18 starlings show up.</p>  <p>What is the simplified ratio of sparrows to starlings?</p>	<p>Sparrows to starlings ratio is 24:18 $= 12:9$ $= 4:3$</p>
<p>2. Ocean Clean-Up Crew</p> <p>A team collects trash from the beach in a ratio of 5 plastic pieces to every 3 metal pieces.</p> <p>If they manage to collect a total of 96 pieces of plastic and metal trash, how many pieces of each do they collect?</p> 	<p>5 Plastic : 3 metal 8 pieces of trash $96 \div 8 = 12$ lots $5 \times 12 = 60$ $3 \times 12 = 36$ 60 plastic : 36 metal</p>
<p>3. Let's Bake</p> <p>A cookie recipe has a sugar to flour ratio of 3:4.</p> <p>a) If I want to bake several batches of cookies and use 12 cups of sugar, how much flour do I need?</p> <p>b) How much sugar is used for each cup of flour?</p> 	<p>a) 3 sugar : 4 flour \rightarrow multiply by 4 $= 12$ sugar : 16 flour We need 16 cups of flour.</p> <p>b) $3:4 = \frac{3}{4} : 1$ $\frac{3}{4}$ cup of sugar per cup of flour</p>
<p>4. Rainforest Animals</p>  <p>In a rainforest exhibit, the ratio of monkeys to parrots is 3:4.</p> <p>If the zoo wants to keep the same ratio but increase the number of monkeys to 24, how many parrots should they have?</p>	<p>3 monkeys : 4 parrots \rightarrow Multiply by 8 24 monkeys : 32 parrots They need 32 parrots.</p>
<p>5. Pizza Party</p>  <p>Tyger is having a pizza party. He buys 7 pizza for every 5 guests.</p> <p>a) How many guests will 42 pizza serve?</p> <p>b) How much pizza is he allowing per person?</p>	<p>a) 7 pizza : 5 guests \rightarrow Multiply by 6 42 pizza : 30 guests It will serve 30 guests.</p> <p>b) $7:5 = \frac{7}{5} : 1$ There will be $\frac{7}{5}$ (or $1\frac{2}{5}$) pizza per guest</p>
<p>6) Let's get mapping</p> <p>A map has a scale of 5 inches : 4 miles.</p> <p>a) How many inches is 32 miles on the map?</p> <p>b) How many inches are there for each mile on the map?</p> 	<p>a) 5 in : 4 miles \rightarrow multiply by 8 40 in : 32 miles 32 miles is 40 inches</p> <p>b) $5:4 = \frac{5}{4} : 1$ There will be $1\frac{1}{4}$ inches for each mile.</p>