

**LO: To use the ratio symbol (bronze)**

1a. True or false? The ratio of cars to buses is 3:7.



☆ VF

2a. Match the cards to the correct image.

A. 1:9 pens to pencils	
B. 4:1 pens to pencils	
C. 3:2 pencils to pens	

☆ VF

3a. Write a statement to describe the ratio of 4:1 shown below.



☆ VF

4a. Circle the odd one out by matching the ratios to the description.



1:5	striped sock to spotty sock
5:1	spotty sock to striped sock
5:2	

☆ VF

1b. This machine turns sentences into ratios. Could this ratio be correct?

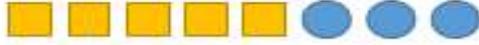
For every 3 boys, there are 2 girls. →  → 3:2

☆ Convince me. R

2b. Each child's statement is correct.

Yussuf: The ratio is 3:5.

Marlum: The ratio is 5:3.



☆ Explain how this is possible. R

3b. In a 10-piece fruit basket, there are only apples and pears. There are more apples than pears.

Write down 3 solutions for the possible ratio of pears to apples.

Draw counters to support your answers.

☆ R

5.

The ratios show shaded parts to non-shaded parts.

Match the ratios, statements and bar models.

2:3

five to two



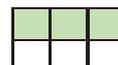
5:2

three to two



2:5

two to three



3:2

two to five



**LO: To use the ratio symbol (silver)**

5a. True or false? The ratio of bananas to apples is 4:3.



☆

6a. Match the statements that mean the same thing.

A. 1:2 red counters to blue counters	1. There are twice as many blue counters as red counters.
B. 3:2 red counters to blue counters	2. For every 2 blue counters, there are 3 red counters.
C. 2:3 red counters to blue counters	3. For every 2 red counters, there are 3 blue counters.

☆

7a. Write a statement to describe the ratio of 6:8 shown below.



☆

8a. Circle the odd one out by matching the ratios to the description.



1:3	rings to necklaces to watches
1:3:2	rings to necklaces
3:2:1	

☆

4b. This machine turns sentences into ratios. Could this ratio be correct?

There are three times as many pencils as rulers. For every 3 pencils, there are 2 rubbers.



3:2:1

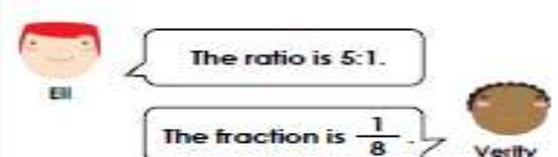
Convince me.

☆

5b. Each child's statement is correct.

Ell: The ratio is 5:1.

Verity: The fraction is  $\frac{1}{8}$ .




Explain how this is possible.

☆

6b. In a class of 30 children,  $\frac{2}{3}$  are having sandwiches for lunch. The rest are having cook's choice or jacket potato.

Write down 3 solutions for the possible ratio of jacket potato to sandwiches to cook's choice.

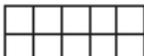
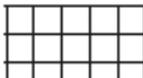
Draw counters to support your answer.

☆

9. The ratio of horses to chickens in a field is 2:5  
Here are the horses. Draw the chickens.



10. Shade squares so that the ratio of shaded to non-shaded squares is 1:4

a)       b)       c) 

**LO: To use the ratio symbol (gold)**

<p>9a. True or false? The ratio of rings to watches to necklaces is 2:1:3.</p>  <p>☆</p>	<p>7b. This machine turns sentences into ratios. Could this ratio be correct?</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <math>\frac{3}{11}</math> of a box of chocolates are white. For every 3 milk, there are 5 dark.         </div>  <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 20px;">11:3:3</div> <p>Convince me.</p> <p>☆</p>						
<p>10a. Match the statements that mean the same thing.</p> <table border="1" style="width: 100%;"> <tr> <td style="padding: 5px;">A. 1:3:5 apples to oranges to pears</td> <td style="padding: 5px;">1. For every apple, there are 2 oranges and 4 pears.</td> </tr> <tr> <td style="padding: 5px;">B. 5:3:1 apples to pears to oranges</td> <td style="padding: 5px;">2. For every apple, there are 5 pears and 3 oranges.</td> </tr> <tr> <td style="padding: 5px;">C. 1:2:4 apples to oranges to pears</td> <td style="padding: 5px;">3. For every orange, there are 5 apples and 3 pears.</td> </tr> </table> <p>☆</p>	A. 1:3:5 apples to oranges to pears	1. For every apple, there are 2 oranges and 4 pears.	B. 5:3:1 apples to pears to oranges	2. For every apple, there are 5 pears and 3 oranges.	C. 1:2:4 apples to oranges to pears	3. For every orange, there are 5 apples and 3 pears.	<p>8b. Each child's statement is correct.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Rio         </div> <div style="border: 1px solid gray; border-radius: 10px; padding: 5px; background-color: #e0e0e0;">The ratio is 3:5.</div> <div style="text-align: center;">  Mave         </div> </div> <div style="border: 1px solid gray; border-radius: 10px; padding: 5px; background-color: #e0e0e0; margin: 5px auto; width: 80%;">The fraction is <math>\frac{1}{2}</math></div>  <p>Explain how this is possible.</p> <p>☆</p>
A. 1:3:5 apples to oranges to pears	1. For every apple, there are 2 oranges and 4 pears.						
B. 5:3:1 apples to pears to oranges	2. For every apple, there are 5 pears and 3 oranges.						
C. 1:2:4 apples to oranges to pears	3. For every orange, there are 5 apples and 3 pears.						
<p>11a. Write a statement to describe the ratio of 1:3:4 shown below.</p>  <p>☆</p>	<p>9b. In my pencil case of 15 items, <math>\frac{1}{3}</math> are handwriting pens. The rest are either felt tip pens or pencils. There are more pens than pencils.</p> <p>Write down 3 solutions for the possible ratio of pencils to handwriting pens to felt tip pens.</p> <p>Draw counters to support your answers.</p> <p>☆</p>						
<p>12a. Circle the odd one out by matching the ratios to the description.</p>  <table border="1" style="width: 100%; margin-top: 10px;"> <tr> <td style="padding: 5px;">2:2:5</td> <td style="padding: 5px;">corn to peas to carrots</td> </tr> <tr> <td style="padding: 5px;">2:5</td> <td style="padding: 5px;">corn to carrots</td> </tr> <tr> <td style="padding: 5px;">5:2:2</td> <td style="padding: 5px;"></td> </tr> </table> <p>☆</p>	2:2:5	corn to peas to carrots	2:5	corn to carrots	5:2:2		
2:2:5	corn to peas to carrots						
2:5	corn to carrots						
5:2:2							

A box contains dark, white and milk chocolates.

$\frac{3}{8}$  of the box are dark chocolates.

$\frac{1}{2}$  of the box are milk chocolates.

The rest are white chocolates.

What does each ratio represent?

a) 1:3

\_\_\_\_\_

b) 4:1

\_\_\_\_\_

c) 3:5

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