Varied Fluency
Step 1: Using Ratio Language

National Curriculum Objectives:

Mathematics Year 6: (6R1) Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts

Differentiation:

Developing Questions to support using ratio language. Comparing 2 sets of objects in a linear arrangement, in a patterned sequence.
Expected Questions to support using ratio language. Comparing up to 3 sets of objects in a linear arrangement, in a patterned sequence or objects grouped together. Using knowledge of multiples to understand the relationships between the sets of objects and simplify ratio statements.
Greater Depth Questions to support using ratio language. Comparing 3 sets of objects in a linear arrangement but out of sequence. Using knowledge of multiples to understand the relationships between the sets of objects and simplify ratio statements. Some questions refer to an extended pattern.

More Year 6 Ratio resources.

Did you like this resource? Don't forget to review it on our website.

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Using Ratio Language

1a. Tick the statement which is correct.

A. For every 2 oranges there are 4 strawberries.

B. For every 2 oranges there are 2 strawberries.

D VF

Using Ratio Language

1b. Tick the statement which is correct.

A. For every 2 oranges there are 6 strawberries.

B. For every 3 oranges there are 6 strawberries.

D VF

2a. True or false?

For every circle there are 2 triangles.

D VF

2b. True or false?

For every 3 triangles there are 5 circles.

D VF

3a. Complete the sentence below.

There are 5 _____ for every 3 _____.

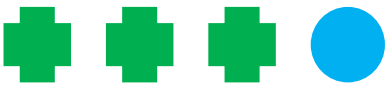
D VF

3b. Complete the sentence below.

There are 4 _____ for every 5 _____.

D VF

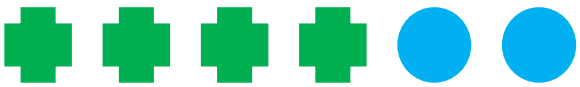
4a. Fill in the missing numbers.



There is 1 for every .

D VF

4b. Fill in the missing numbers.



There are 4 for every .

D VF

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Using Ratio Language

5a. Tick the statements which are correct.

A. For every triangle and square, there are 2 circles.

B. For every triangle there are 2 squares.

C. For every 2 circles there is 1 triangle.

VF

6a. True or false?

For every square there are 2 hearts.

VF

7a. Complete the sentence below.

There are 7 _____ for every 3 _____.

VF

8a. Fill in the missing numbers.

There are 2 squares for every 6 triangles.

If there is 1 , there will be .

VF

Using Ratio Language

5b. Tick the statements which are correct.

A. For every triangle there is 1 circle and 1 square.

B. For every triangle there are 2 circles.

C. For every 2 triangles there are 2 squares.

VF

6b. True or false?

For every heart there are 2 squares.

VF

7b. Complete the sentence below.

There is 1 _____ for every 2 _____.

VF

8b. Fill in the missing numbers.

There are 3 squares for every 6 triangles.

If there is 1 , there will be .

VF

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Using Ratio Language

9a. Tick the statement which is correct.

A. If there are 9 triangles, there will be 12 squares and 15 hearts.

B. If there are 6 triangles, there will be 8 squares and 10 hearts.

C. If there is 1 triangle, there will be 1 square and 2 hearts.

GD VF

10a. True or false?

If there are 24 lemons, there will be 64 oranges and 32 raspberries.

GD VF

11a. Complete the sentence below.

If there are 12 pentagons, there will be _____ triangles.

GD VF

12a. Fill in the missing numbers.

If there is 1 ■, there will be □ ▲ and □ ●.

If there are 8 ■, there will be □ ▲ and □ ●.

GD VF

Using Ratio Language

9b. Tick the statements which are correct.

A. If there are 8 triangles, there will be 18 hearts and 16 squares.

B. If there are 8 triangles, there will be 24 hearts and 16 squares.

C. If there is one triangle, there will be 3 hearts and 2 squares.

GD VF

10b. True or false?

If there are 9 oranges, there will be 8 lemons and 12 raspberries.

GD VF

11b. Complete the sentence below.

If there is 1 pentagon, there will be _____ circles.

GD VF

12b. Fill in the missing numbers.

If there are 4 ■, there will be □ ▲ and □ ●.

If there are 8 ■, there will be □ ▲ and □ ●.

GD VF

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Varied Fluency
Using Ratio Language

Developing
1a. A
2a. False. For every 3 circles there are 4 triangles.
3a. acorns, flowers
4a. 3

Expected
5a. A and C
6a. True
7a. strawberries, lemons
8a. 3

Greater Depth
9a. A and B
10a. True
11a. 9
12a. 2, 2; 16, 16

Varied Fluency
Using Ratio Language

Developing
1b. B
2b. True
3b. stripy socks, spotty socks
4b. 2

Expected
5b. A and C
6b. False. For every heart there is 1 square.
7b. banana, apples
8b. 2

Greater Depth
9b. B and C
10b. False. If there are 9 oranges, there will be 12 lemons and 18 raspberries.
11b. 2
12b. 12, 16; 24, 32

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