Week 17

Tuesday 14th July 2020

Year 6 Using Ratio - Varied Fluency

Watch the demonstration on how to use ratio to compare two quantities:

https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-ratios-intro/v/ratios-intro

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.

6 VF

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.

6 VF

2a. True or false?

For every circle there are 2 triangles.

6 VF

2b. True or false?

For every 3 triangles there are 5 circles.

6 VF

3a. Complete the sentence below.

There are 5 _____ for every 3 _____ .

6 VF

3b. Complete the sentence below.

There are 4 _____ for every 5 _____ .

6 VF

4a. Fill in the missing numbers.

There is 1 ⬤ for every ☐ ✚ .

6 VF

4b. Fill in the missing numbers.

There are 4 ✚ for every ☐ ⬤ .

6 VF

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.

6   VF

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.

6   VF

6a. True or false?

For every square there are 2 hearts.

6   VF

6b. True or false?

For every heart there are 2 squares.

6   VF

7a. Complete the sentence below.

There are 7 _____ for every 3 _____ .

6   VF

7b. Complete the sentence below.

There is 1 _____ for every 2 _____ .

6   VF

8a. Fill in the missing numbers.

There are 2 squares for every 6 triangles.

If there is 1 ▮ , there will be ☐ ▲ .

6   VF

8b. Fill in the missing numbers.

There are 3 squares for every 6 triangles.

If there is 1 ▮ , there will be ☐ ▲ .

6   VF

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.

6   VF

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.

6   VF

10a. True or false?

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

6   VF

10b. True or false?

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

6   VF

11a. Complete the sentence below.

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

6   VF

11b. Complete the sentence below.

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

6   VF

12a. Fill in the missing numbers.

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

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

6   VF

12b. Fill in the missing numbers.

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

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

6   VF