11.2.2021 Quick Maths Challenge

A

- 0 + __ = 20
- 265 x 5 =
- 75 ÷ 3 =
- 105, __ , 115 , __ , 125 , __
- 2/2 = 1/1. True or False? Explain your answer.

B

- -6, -8, __ , __ , __
- 20 x 7 x 5 =
- 1615 ÷ 5 =
- 90 minutes after 11:30am =
- 108 - 47 < 197 - 132 True or False? Explain your answer.

Challenge

Rosie and Whitney are solving:

$$\frac{4}{7} + \frac{2}{7}$$

Rosie says,

The answer is $\frac{6}{7}$

Whitney says,

The answer is $\frac{6}{14}$

Who do you agree with? Explain why.

Flashback 4   Year 4 | Week 6 | Day 3

1) Complete the sequence.

$$2 , 1\frac{3}{4} , 1\frac{1}{2} , 1\frac{1}{4} , \boxed{} , \boxed{}$$

2) What is the missing numerator?

$$\frac{2}{3} = \frac{}{12}$$

3) What is the area of a rectangle with 3 rows of 2 squares?

4) 1,000 more than _____ is 3,481

White Rose Maths

What we covered last lesson...

Improper fractions are fractions that have a numerator greater than the denominator.

$$\frac{3}{2}$$

A mixed number fractions is a fraction that includes whole numbers and fractions.

$$1\frac{1}{2}$$

Jake

When adding fractions with common (the same) denominators, you add the denominators.

When adding fractions with common (the same) denominators, the denominator stays the same.

Emma

ADDING FRACTIONS

Learning Objective:
Today I am learning to
- use mathematical terminology to describe processes
- add fractions together

Key Vocabulary
- addition   - denominator
- unit   - mixed number
- improper   - parts
- numerator   - equal
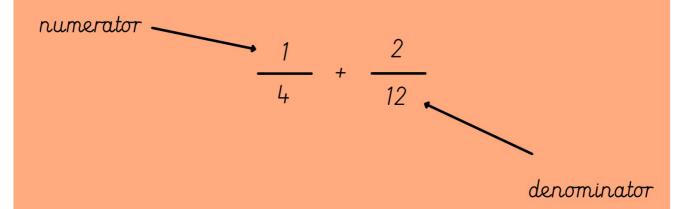
WR Slides

Success Criteria
I will be successful if I can
- use mathematical vocabulary to describe processes.
- add fractions with common denominators together.

NOW ATTEMPT THE MAIN TASK.

How would I go about solving this?

numerator

$$\frac{1}{4} + \frac{2}{12}$$

denominator

As these fractions do not have a common denominator, you must convert the fractions so they have the same denominator. Here, you could multiply the numerator and denominator of the 1/4 by 3, changing it to 3/12. From here, you can add the two fractions together like usual.

$$\frac{2}{3} + \frac{2}{6} =$$

$$\frac{1}{3} + \frac{2}{10} =$$

Again, these fractions do not have a common denominator. So, you can find a common multiple and use that as a denominator, like 30. In order to keep the value of the fraction the same, you must 'do to the top, that you do to the bottom of your fraction'. *What would your answer be?*

NOW ATTEMPT THE CHALLENGE.