

White

**Rose
Maths**

Year 5 - Spring - Block 2

Fractions

Three children have incorrectly converted $3\frac{2}{5}$ into an improper fraction.



Annie

$$3\frac{2}{5} = \frac{6}{15}$$



Mo

$$3\frac{2}{5} = \frac{15}{5}$$



Dexter

$$3\frac{2}{5} = \frac{32}{5}$$

What mistake has each child made?

Fill in the missing numbers.

How many different possibilities can you find for each equation?

$$2 \frac{\square}{8} = \frac{\square}{8}$$

$$2 \frac{\square}{5} = \frac{\square}{5}$$

Compare the number of possibilities you found.

Three children are counting in quarters.

Whitney



$$\frac{1}{4}, \frac{1}{2}, \frac{3}{4}, \frac{4}{4}, \frac{5}{4}, \frac{6}{4}, \frac{7}{4}$$

Teddy



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

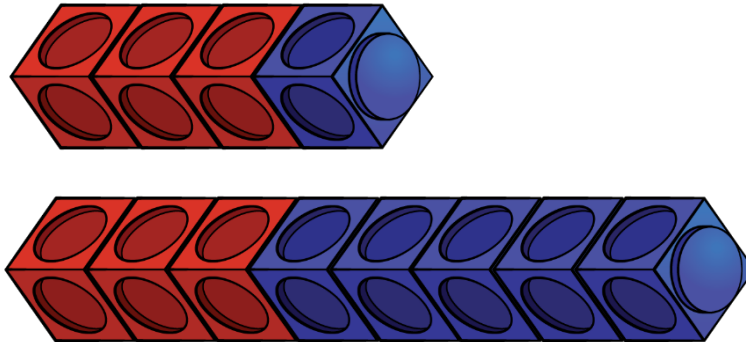
Eva



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

Who is counting correctly?
Explain your reasons.

Ron makes $\frac{3}{4}$ and $\frac{3}{8}$ out of cubes.



He thinks that $\frac{3}{8}$ is equal to $\frac{3}{4}$

Do you agree?

Explain your answer.

Always, Sometimes, Never?

If one denominator is a multiple of the other you can simplify the fraction with the larger denominator to make the denominators the same.

Example:

Could $\frac{?}{4}$ and $\frac{?}{12}$ be simplified to $\frac{?}{4}$ and $\frac{?}{4}$?

Prove it.