

Monday 27th April 2020

WALT: Recognise mixed numbers and improper fractions

Arithmetic:

Do you remember how to multiply and divide whole numbers and numbers with decimals by 10,100 and 1000?

If not then watch: <https://www.youtube.com/watch?v=PvSp95w3iU4>

And try the following:

$2.3 \times 10 =$

$5.2 \times 10 =$

$2.3 \times 100 =$

$5.2 \times 100 =$

$2.3 \times 1000 =$

$5.2 \times 1000 =$

$2.3 \div 10 =$

$5.2 \div 10 =$

$2.3 \div 100 =$

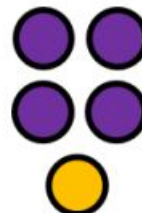
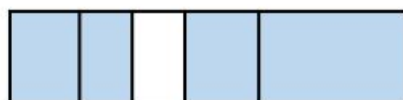
$5.2 \div 100 =$

$2.3 \div 1000 =$

$5.2 \div 1000 =$

Reasoning

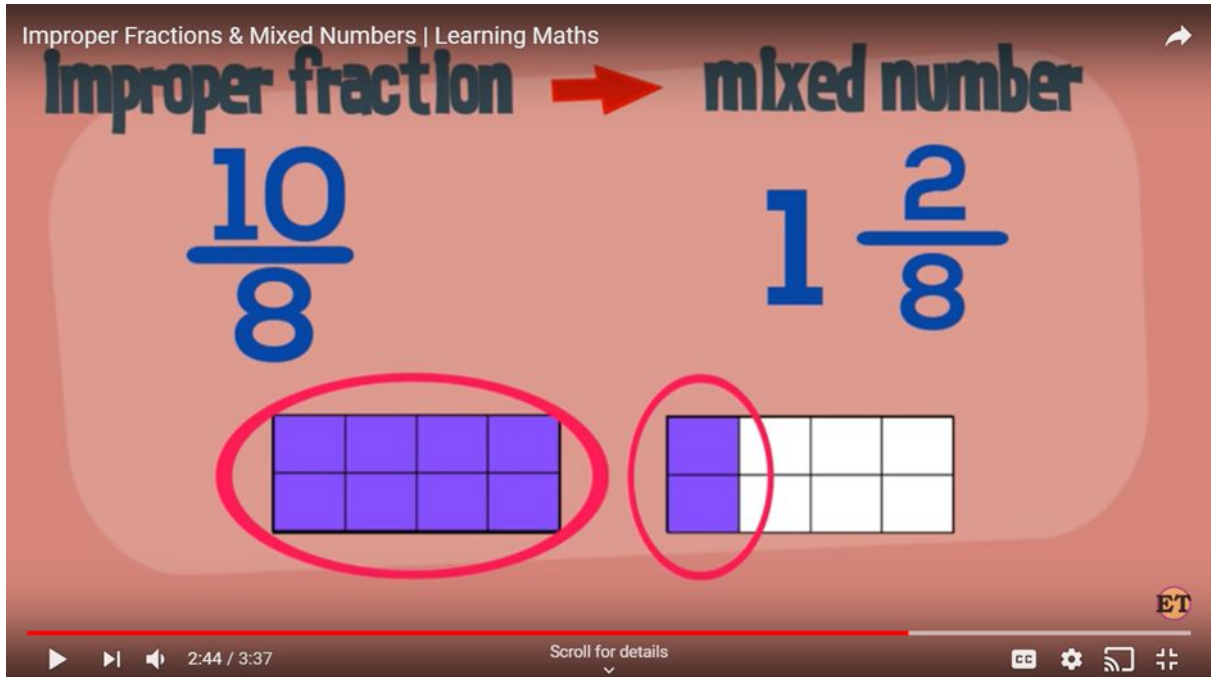
Which representations of $\frac{4}{5}$ are incorrect?



Explain how you know.

Activity:

Watch the following video: <https://www.youtube.com/watch?v=KEmCZGbd4R8>



Use the method above to convert these IMPROPER fractions into MIXED numbers:

$$\frac{4}{2} =$$

$$\frac{5}{4} =$$

$$\frac{7}{4} =$$

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

$$\frac{10}{5} =$$

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

Answers:

$$2.3 \times 10 = 23$$

$$2.3 \times 100 = 230$$

$$2.3 \times 1000 = 2300$$

$$2.3 \div 10 = 0.23$$

$$2.3 \div 100 = 0.023$$

$$2.3 \div 1000 = 0.0023$$

$$5.2 \times 10 = 52$$

$$5.2 \times 100 = 520$$


$$5.2 \times 1000 = 5200$$

$$5.2 \div 10 = 0.52$$


$$5.2 \div 100 = 0.052$$

$$5.2 \div 1000 = 0.0052$$

The image of the dogs could represent $\frac{2}{5}$ or $\frac{3}{5}$



The bar model is not divided into equal parts so this does not represent $\frac{4}{5}$



$$4/2 = 2 \quad 5/4 = 1 \frac{1}{4}$$

$$7/4 = 1 \frac{3}{4} \quad 5/3 = 1 \frac{2}{3}$$

$$10/5 = 2 \quad 6/2 = 3$$