

RECALL

Match the fractions to their decimal equivalence

$8/100$

0.35

$7/20$

0.84

$20/25$

0.8

$42/50$

0.4

$80/200$

0.08

$120/200$

0.6

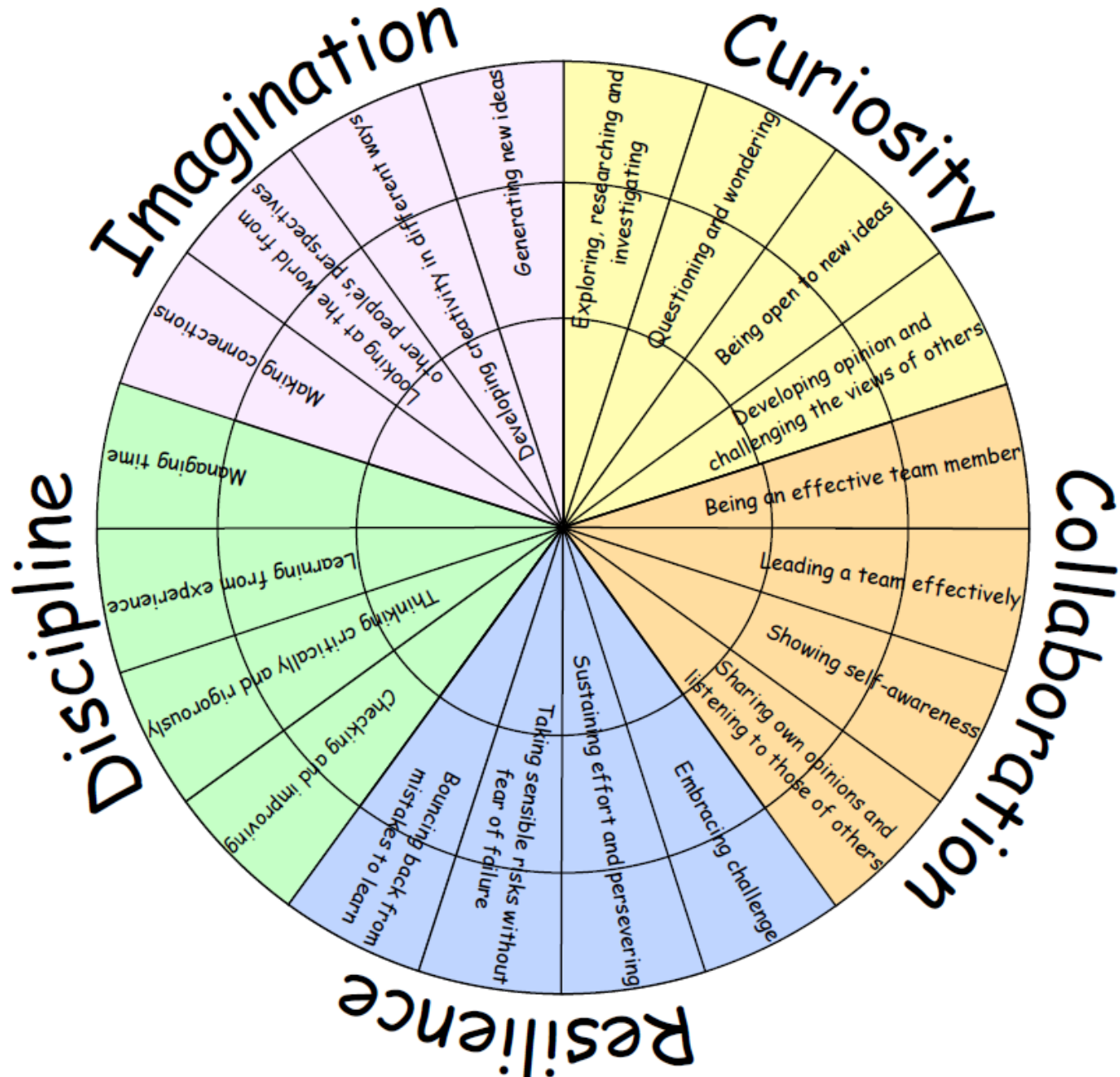


What are the 4 things you could do to help you convert to decimals?

I CAN RECOGNISE AND
UNDERSTAND % AS PART OF
100 AND WRITE A % AS A
FRACTION AND A DECIMAL

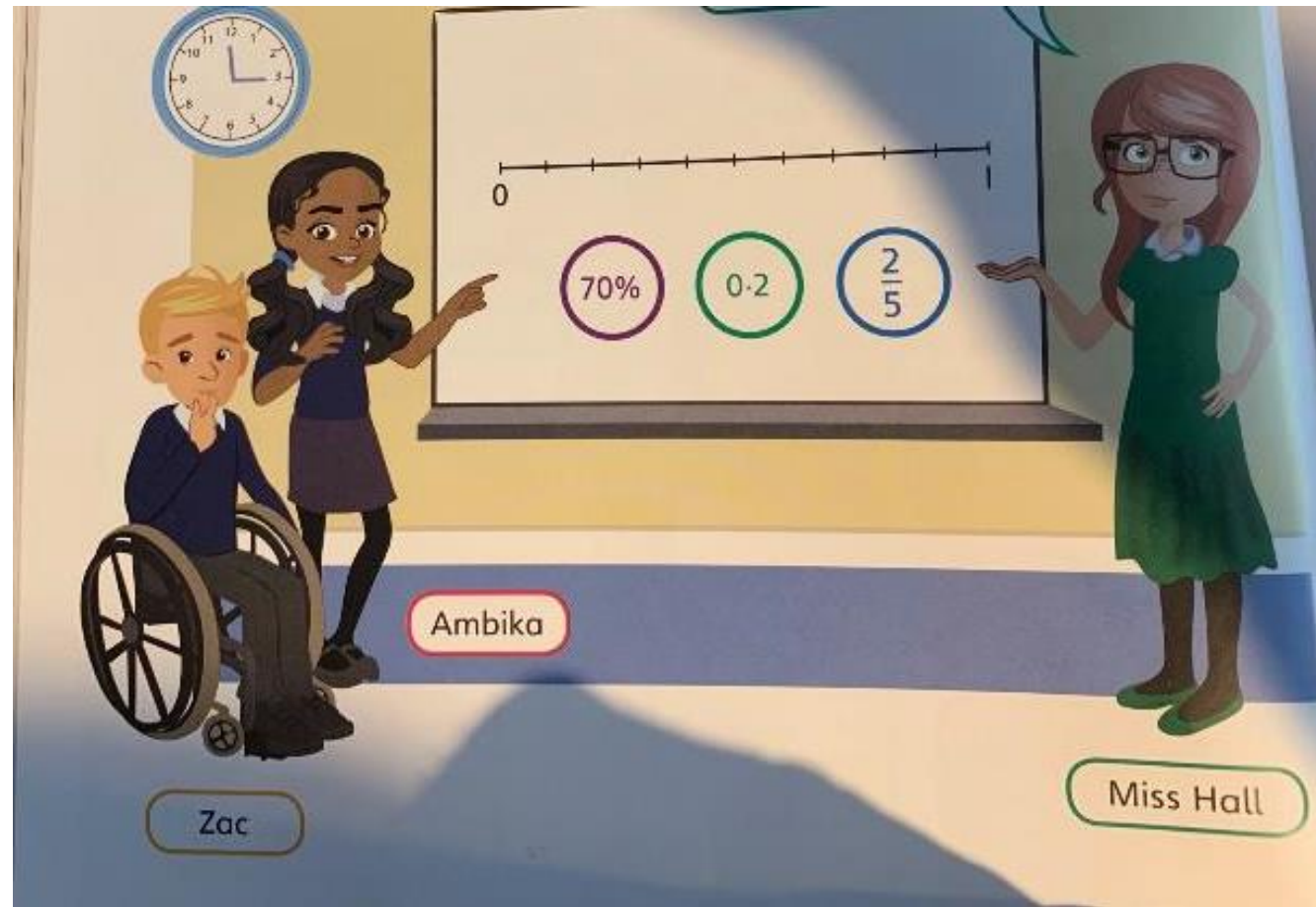
Percentage (15i)

LEARNING HABITS?



GUIDED PRACTICE

- 1) Help Zac and Ambika to place the amounts on the number line
- 2) Place $\frac{19}{20}$ on the number line



INTELLIGENT PRACTICE



Write these fractions as percentages.

$$1/10 = 10\% = 0.1$$

$$2/100 = \underline{\quad} = \underline{\quad}$$

$$3/100 = \underline{\quad} = \underline{\quad}$$

$$5/10 = \underline{\quad} = \underline{\quad}$$

What do you notice?



Write these fractions as percentages.

$$1/5 = \underline{\quad} = \underline{\quad}$$

$$2/5 = \underline{\quad} = \underline{\quad}$$

$$3/5 = \underline{\quad} = \underline{\quad}$$

$$\underline{\quad}/\underline{\quad} = 70\% = \underline{\quad}$$

What do you notice?



Write these fractions as percentages.

$$1/8 = \underline{\quad} = \underline{\quad}$$

$$30/40 = \underline{\quad} = \underline{\quad}$$

$$36/40 = \underline{\quad} = \underline{\quad}$$

$$\underline{\quad}/\underline{\quad} = 85\% = \underline{\quad}$$

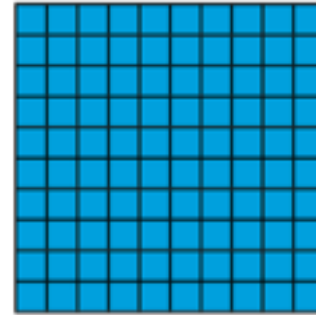
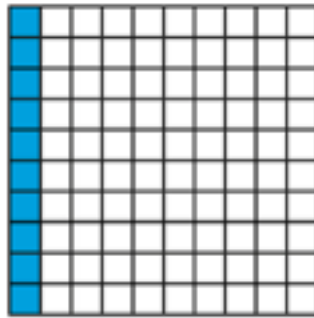
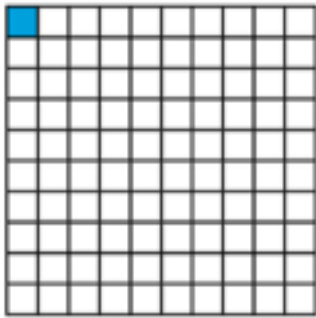
How could you use the second and third answer to help you answer the fourth?



Decimal	Percentage	Simplified Fraction
0.5	50%	
0.65		
	6%	
0.07		

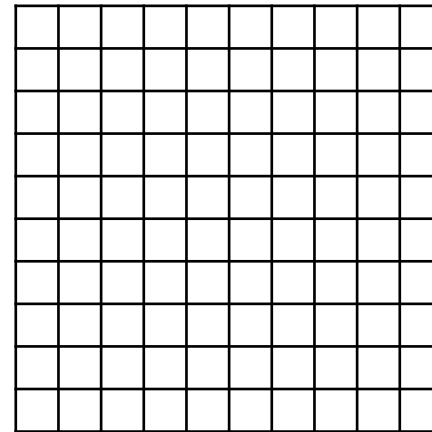
DIVE DEEPER 1

1) What fraction, decimal and percentage of each grid is shaded?



2a) Shade the grid in the give proportions

- $\frac{3}{10}$ green
- 0.03 red
- 13% blue
- 0.3 yellow



b) What proportion of the grid is unshaded?

3) Which is the odd one out?

0.1 $\frac{2}{20}$ 10% $\frac{1}{10}$ 0.01 $\frac{10}{100}$

Explain you answer

DIVE DEEPER 2

4) Match the equivalent fractions, decimals and percentages

$$\frac{15}{100}$$

$$0.05$$

$$5\%$$

$$\frac{1}{20}$$

$$0.5$$

$$15\%$$

$$\frac{1}{5}$$

$$0.2$$

$$50\%$$

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

$$0.15$$

$$20\%$$

5) Amir was asked to complete the statement using $<$, $>$ or $=$.

$$14\% \quad > \quad 0.4$$



14 is greater than 4

What mistake has Amir made?

6) What is 10% of a half?

What percentage of 20 is 19?

DIVE DEEPER 3

Match the decimal cards to the people.



My decimal is $\frac{4}{10}$
less than 100%.

0.65



My decimal cannot be simplified
when it is written as a fraction.

0.57



My decimal is 10%
less than $\frac{3}{4}$

0.61

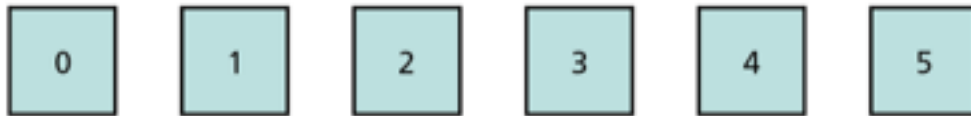


My decimal is greater
than 60%.

0.6

Use the digit cards to write a decimal greater than $\frac{1}{5}$ but less than 40%.

You may not use a card more than once in each number.



How many answers can you find?

SELF-ASSESSMENT

- Some will even be able to write a set of rules to explain how to convert fractions to percentages and decimals
 - Some will be able to convert any fraction to a percentage or decimal
 - Most will be able to convert tenths to percentages and decimals
 - All will understand that a percentage is out of 100
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