

RECALL

Match these fractions to their equivalent decimals and percentages

$$\frac{35}{100}$$

0.68

$$\frac{2}{1000}$$

0.635

$$\frac{18}{25}$$

0.002

$$\frac{16}{20}$$

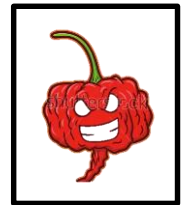
35%

$$\frac{136}{200}$$

80%

$$\frac{127}{200}$$

72%

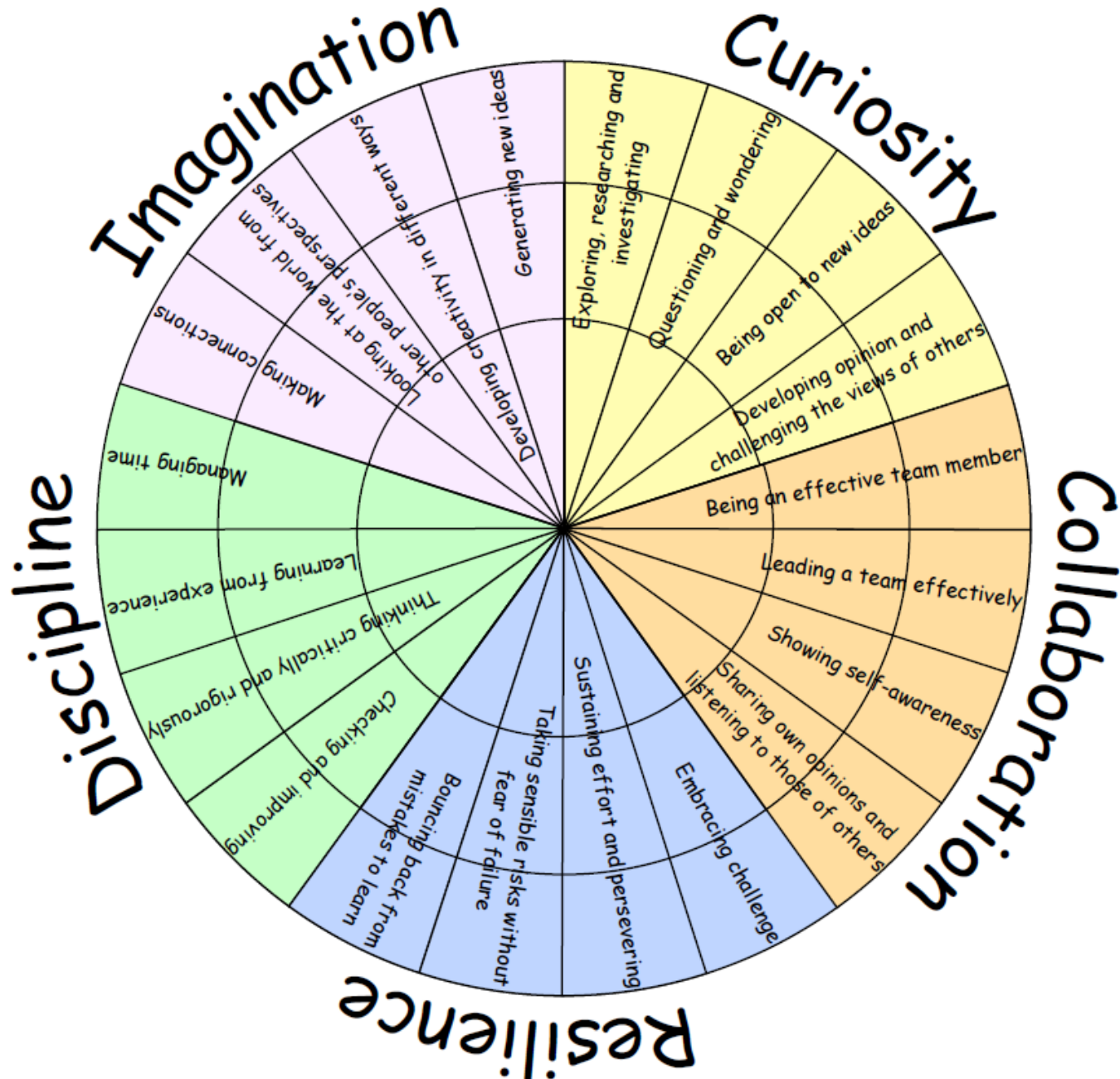


Can you give equivalent decimals or percentages for the numbers on this side?

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) Write Lee's score and Kate's score as fractions.

Who was most accurate at the coconut shy?

2) Write a fraction that can be found between both scores.



What is the most efficient method to solve this question?

IP



Write the fractions, decimals and percentages in ascending order.

47%

0.89

$$\frac{63}{100}$$

12%



Write the fractions, decimals and percentages in ascending order.

$$\frac{7}{10}$$
$$\frac{13}{100}$$

21%

0.9



Write the fractions, decimals and percentages in ascending order.

0.6

61%

$$\frac{37}{50}$$

0.66



Write the fractions, decimals and percentages in ascending order.

0.42

40.2%

$$\frac{53}{125}$$
$$\frac{3}{7}$$

INTELLIGENT PRACTICE ANSWERS



Write the fractions, decimals and percentages in ascending order.

12%

47%

$\frac{63}{100}$

0.89



Write the fractions, decimals and percentages in ascending order.

$\frac{13}{100}$

21%

$\frac{7}{10}$

0.9



Write the fractions, decimals and percentages in ascending order.

0.6

61%

0.66

$\frac{37}{50}$



Write the fractions, decimals and percentages in ascending order.

40.2%

0.42

$\frac{53}{125}$

$\frac{3}{7}$

DIVE DEEPER 1

1) Write $<$, $>$ or $=$ to complete the statements.

a) 64% ____ 0.46

d) 0.8 ____ 80%

b) 0.96 ____ $\frac{97}{100}$

e) 67% ____ $\frac{7}{10}$

c) $\frac{3}{5}$ ____ 35%

f) $\frac{7}{20}$ ____ 0.3

2) These fractions, decimals and percentages are in descending order.

99% $\frac{89}{100}$ 0.7 ____ 0.5 49%

Which of the fractions, decimals and percentages could fill the gap.

0.78 51% $\frac{3}{5}$ 0.6 $\frac{4}{10}$

3) Joe scored 45% in a maths test.

Benji scored $\frac{23}{50}$ on the same test.

Who scored the higher score?

Explain your answer

DIVE DEEPER 1 ANSWERS

1) Write $<$, $>$ or $=$ to complete the statements.

a) $64\% > 0.46$

d) $0.8 = 80\%$

b) $0.96 < \frac{97}{100}$

e) $67\% < \frac{7}{10}$

c) $\frac{3}{5} > 35\%$

f) $\frac{7}{20} > 0.3$

2) These fractions, decimals and percentages are in descending order.

99% $\frac{89}{100}$ 0.7 _____ 0.5 49%

Which of the fractions, decimals and percentages could fill the gap.

0.78 51% $\frac{3}{5}$ 0.6 $\frac{4}{10}$

3) Joe scored 45% in a maths test.

Benji scored $\frac{23}{50}$ on the same test.

Who scored the higher score? **Benji**

$\frac{23}{50}$ is the same as 46% and therefore higher than 45%

DIVE DEEPER 2

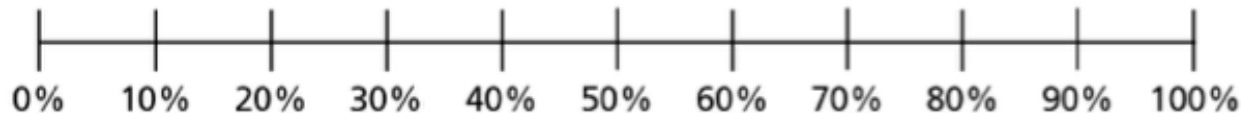
4) Draw arrows to estimate the positions of the fractions, decimals and percentages on the number line.

a) 0.9%

$$\frac{9}{10}$$

0.99

19%



a) $\frac{2}{5}$

0.52

45%

0.2



5) Huan, Nijah and Scott each started with a 1 litre bottle of juice.

Huan drank 0.55 litres

Nijah drank 59% of her juice

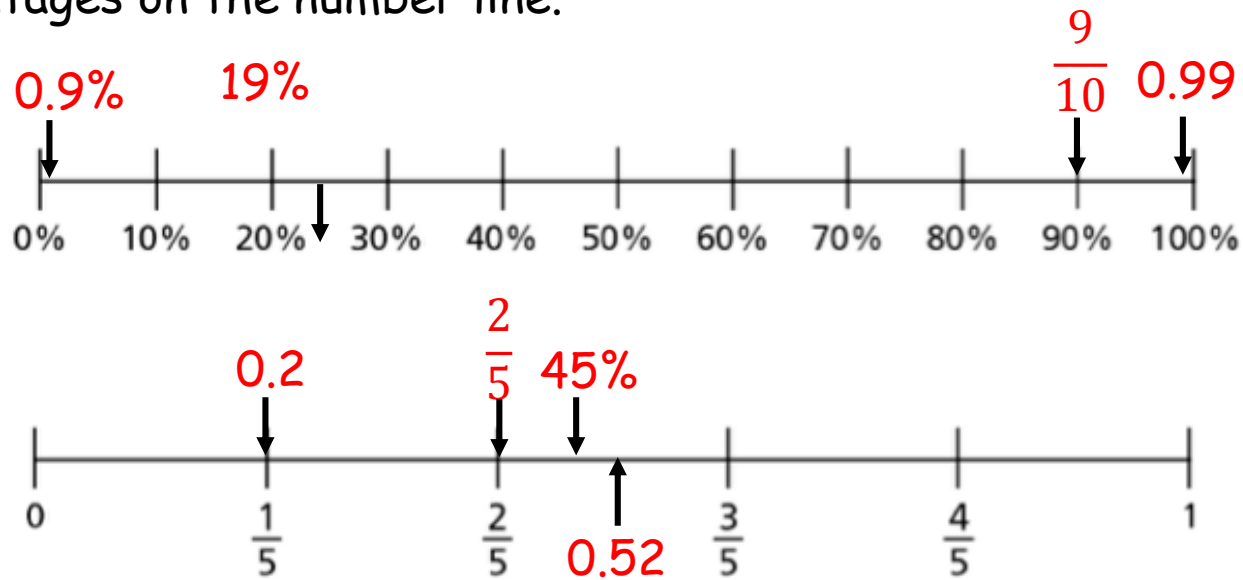
Scott has $\frac{4}{10}$ of his juice left.

Who drank the most?

Who drank the least?

DIVE DEEPER 2 ANSWERS

4) Draw arrows to estimate the positions of the fractions, decimals and percentages on the number line.



5) Huan, Nijah and Scott each started with a 1 litre bottle of juice.

Huan drank 0.55 litres

Nijah drank 59% of her juice

Scott has $\frac{4}{10}$ of his juice left.

Who drank the most? **Scott drank the most**

Who drank the least? **Huan drank the least**

DIVE DEEPER 3

Using the digits 1-10, how many different solutions can you find to complete the statement?

$$0.3 < \frac{\quad}{10} < 80\%$$

Using the digit cards to write a percentage greater than $\frac{2}{5}$ but less than 75%

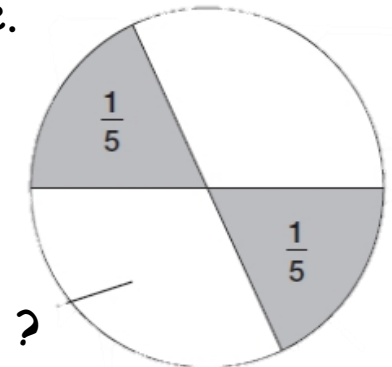


$$\frac{2}{5} < \frac{\quad}{\quad} < 0.75$$

How many different percentages can you find?

In this circle, each shaded part is $\frac{1}{5}$ of the area of the circle. The two white parts have equal areas.

What percentage of the circle is one of the white areas?



SELF-ASSESSMENT

- Some will even be able to write a set of rules to explain how to compare fractions, decimals and percentages
 - Some will be able to order fractions, decimals and percentages confidently
 - Most will be able to convert tenths and hundredths to percentages and decimals
 - All will understand the relationship between fractions, decimals and percentages
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