

24.01.22

WALT: Order fractions, decimals and percentages

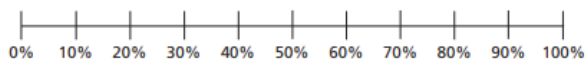
Fluency

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

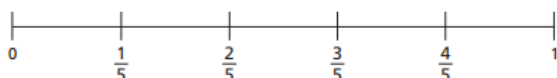
a) 64% $\bigcirc$ 0.46 c) $\frac{3}{5}$ $\bigcirc$ 35% e) 67% $\bigcirc$ $\frac{7}{10}$
 b) 0.96 $\bigcirc$ $\frac{97}{100}$ d) 0.8 $\bigcirc$ 80% f) $\frac{7}{20}$ $\bigcirc$ 0.3

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

a) 9% $\frac{9}{10}$ 0.99 19%



b) $\frac{2}{5}$ 0.52 45% 0.2



Varied Fluency

- 3 Write the fractions, decimals and percentages in ascending order.

a) $\frac{7}{10}$ $\frac{13}{100}$ 21% 0.9

b) 0.6 61% $\frac{37}{50}$ 0.66

c) 47% 0.89 $\frac{63}{100}$ 12%

- d) Which part was easiest to order: a), b) or c)?

Why?

- e) Which set was most difficult to order: a), b) or c)?

Why?

- f) Compare answers with a partner.

What is the same and what is different?

- 4 These fractions, decimals and percentages are in descending order.

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

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

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

Reasoning

- 5 Tommy scored $\frac{40}{50}$ on a Maths test.

Aisha got 78% of the test correct.

Aisha thinks she has done better because 78 is greater than 40

Do you agree with Aisha?

Explain your answer.

Problem Solving – Mastery

- 6 Huan, Nijah and Scott each started with a 1-litre bottle of juice.

Huan drank 0.55 litres.

Nijah drank 59% of her juice.

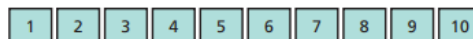
Scott has $\frac{4}{10}$ of his juice left.

Who drank the most? Show your working.

Who drank the least? Show your working.



- 7 a) Use the digit cards to make the statement correct.



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

How many different solutions can you find?

- b) Use the digit cards to write a percentage greater than $\frac{2}{5}$ but less than 75%.



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

How many different percentages can you find?

Compare answers with a partner.