Order FDP

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

a) 64% $\boxed{>}$ 0.46

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

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

d) 0.8 $\boxed{=}$ 80%

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

f) $\frac{7}{20}$ $\boxed{>}$ 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%

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

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

0   $\frac{1}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ 1
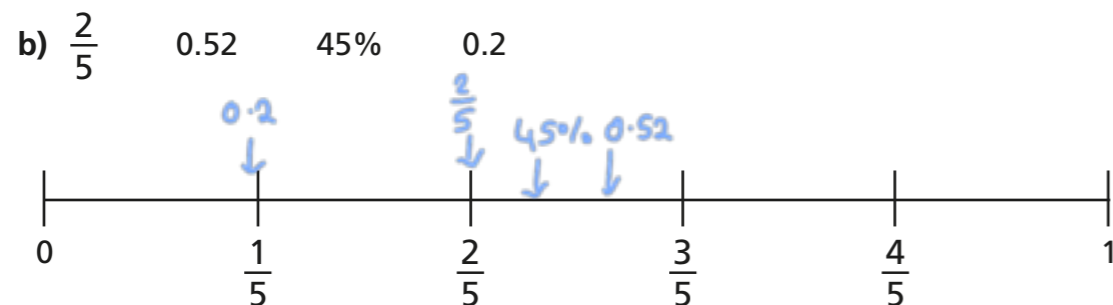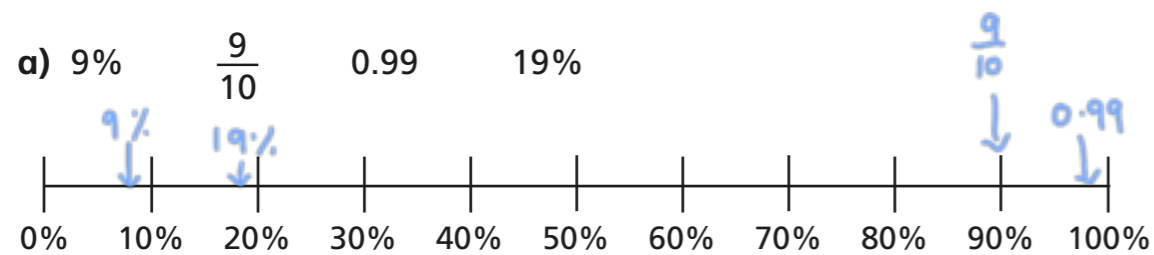
3 Write the fractions, decimals and percentages in ascending order.

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

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

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

0.6, 61%, 0.66, $\frac{37}{50}$

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

12%,   47%, $\frac{63}{100}$, 0.89

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

Why?

Various answers.

_____

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

Why?

Various answers.

_____

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   [_____]   0.5   49%

Tick the fractions, decimals and percentages that could fill the gap.

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

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? __No__

Explain your answer.

$\frac{40}{50}$ = 60%   and   80% > 78%   so Tommy did

better.

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.

1 litre   1 litre   1 litre

Who drank the most? Show your working.

____Scott____ drank the most.

Who drank the least? Show your working.

____Huan____ drank the least.

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

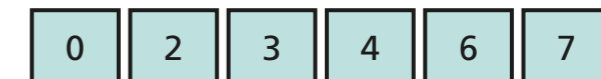[1] [2] [3] [4] [5] [6] [7] [8] [9] [10]

$0.3 < \dfrac{4}{10} < 80\%$

How many different solutions can you find?

__Various answers.__

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

[0] [2] [3] [4] [6] [7]

$\dfrac{2}{5} < \boxed{0.43} < 0.75$

How many different percentages can you find?

__Various answers.__

Compare answers with a partner.