Order FDP

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

a) 64% ⊘> 0.46

b) 0.96 ⊘< $\frac{97}{100}$

c) $\frac{3}{5}$ ⊘> 35%

d) 0.8 ⊘= 80%

e) 67% ⊘< $\frac{7}{10}$

f) $\frac{7}{20}$ ⊘> 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%

9% ↓　19% ↓　　　　　　　　　　　$\frac{9}{10}$ ↓　0.99 ↓

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

b) $\frac{2}{5}$　0.52　45%　0.2

0.2 ↓　　　$\frac{2}{5}$ ↓　45% ↓ 0.52 ↓

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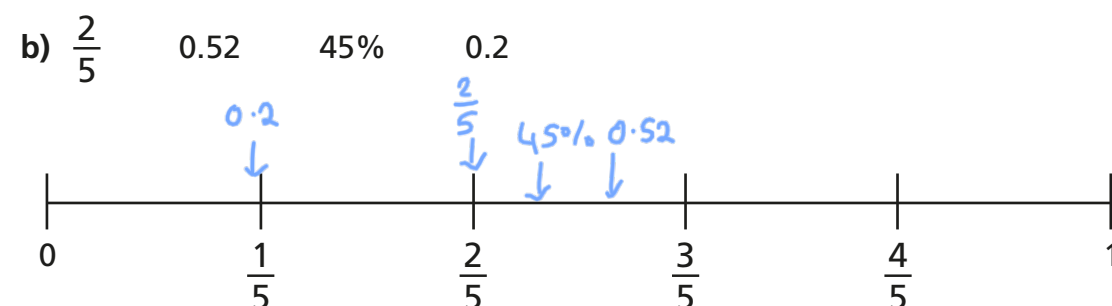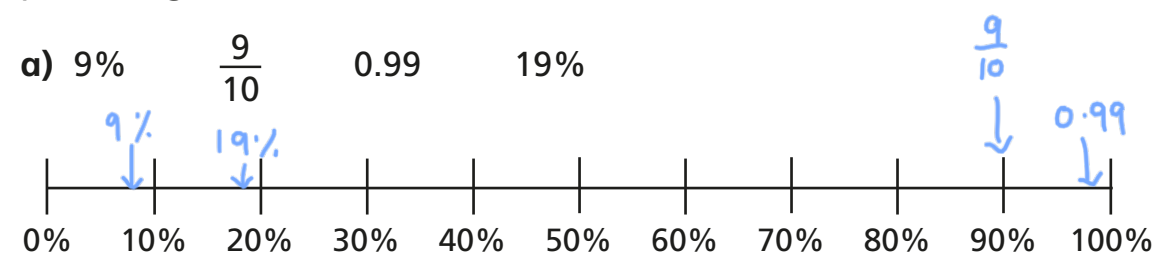
3 Write the fractions, decimals and percentages in ascending order.

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% $\dfrac{89}{100}$ 0.7   [____]   0.5   49%

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

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

5 Tommy scored $\dfrac{40}{50}$ 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.

$\dfrac{40}{50}$ = 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 $\dfrac{4}{10}$ 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 $\dfrac{2}{5}$ 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.