

# Order fractions, decimals and percentages

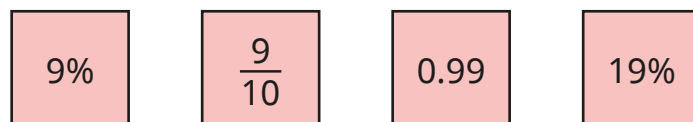
1 Write  $<$ ,  $>$  or  $=$  to complete the statements.

- 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 Here is a number line.



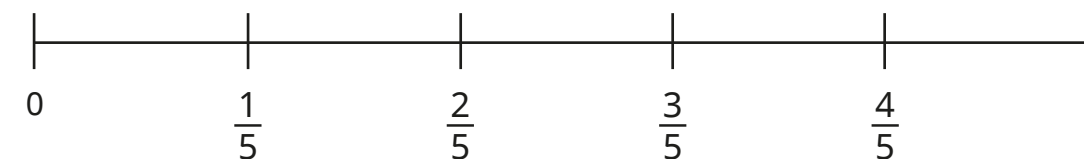
a) Draw arrows to estimate the position of the fractions, decimals and percentages on the number line.



b) Write the fractions, decimals and percentages in order.  
Start with the smallest value.

\_\_\_\_\_

3 Here is a number line.



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



b) Write the fractions, decimals and percentages in order.  
Start with the greatest value.

\_\_\_\_\_

4 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%

\_\_\_\_\_

Which did you find easiest to order?

Which did you find hardest to order?

Why? Talk about it with a partner.



- 5 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	$\frac{4}{10}$
------	-----	---------------	-----	----------------

- 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 workings.

Who drank the least?

Show your workings.

\_\_\_\_\_

\_\_\_\_\_

- 7 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.

\_\_\_\_\_

\_\_\_\_\_

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

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

$$0.3 < \frac{\boxed{\phantom{00}}}{10} < 80\%$$

How many different solutions can you find?

\_\_\_\_\_

- b) Use the digit cards to write a percentage greater than  $\frac{2}{5}$  but less than 0.75

0	2	3	4	6	7
---	---	---	---	---	---

$$\frac{2}{5} < \boxed{\phantom{00}} < 0.75$$

How many different percentages can you find?

\_\_\_\_\_

Compare answers with a partner.