

Fractions and Percentages

PUPIL WORKSHEET



1. a) Write the percentages, decimals and fractions indicated by the arrows.



$$A = \boxed{} \% = \boxed{} = \frac{\boxed{}}{100} = \frac{\boxed{}}{4}$$

$$B = \boxed{} \% = \boxed{} = \frac{\boxed{}}{100} = \frac{\boxed{}}{10}$$

- b) Label 120% and 1.55 on the number line.

- c) i) Write 120% as a decimal and as a fraction in its simplest form.

- ii) Write 1.55 as a percentage and as a fraction in its simplest form.

2. Complete the table.

Percentage	Decimal
100%	
103%	
	1.25
	1.09
230%	
	2.57

3. Write the values in ascending order.

a) $\frac{2}{5}$ 25% 0.52 2.5

b) 1.09 19% $\frac{1}{9}$ 1.9

How did you find these questions?

Very easy 1 2 3 4 5 6 7 8 9 10 Very difficult

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4. a) Write the decimal multiplier you would use to work out the increases and decreases.

i) Increase by 30% =

iv) Decrease by 17% =

ii) Decrease by 30% =

v) Increase by 1% =

iii) Increase by 17% =

vi) Decrease by 1% =

b) Complete the calculations.

i) Increase £60 by 30% = £

ii) Decrease £60 by 17% = £

iii) Increase £60 by 1% = £

5. a) The price of a laptop is £560

In a sale the price is decreased by 35%

Work out the price of the laptop in the sale. £

b) In 2021, the value of a house was £250 000

In 2022, the value of the house increased by 17%

What was the value of the house in 2022? £

c) A car garage invests £15 000 in a bank account. The garage receives 1.7% annual interest on their investment.

Work out the value of the investment after 1 year. £

6. Complete the conversions.

a) $\frac{1}{4} = \frac{\text{ }}{100} = \text{ } \%$

c) $\frac{11}{20} = \frac{\text{ }}{100} = \text{ } \%$

b) $\frac{4}{5} = \frac{\text{ }}{100} = \text{ } \%$

d) $\frac{74}{200} = \frac{\text{ }}{100} = \text{ } \%$