

Percentages

PS Problem-solving questions

Challenge 1

1 What are the percentages represented by these fractions?

- a) 1 whole _____ b) $\frac{3}{4}$ _____
 c) $\frac{1}{2}$ _____ d) $\frac{1}{4}$ _____

2 Find:

- a) 25% of 32 _____ b) 50% of 64 _____
 c) 75% of 40 _____ d) 25% of 160 _____

PS 3 The sports shop is having a sale. Everything has been reduced by 25%. What are the sale prices for each item?



£60



£20



£12

- a) Training top = £ _____ b) Ball = £ _____
 c) Gloves = £ _____



4 marks



4 marks



3 marks

Marks..... /11

Challenge 2

1 Find:

- a) 10% of £135 _____ b) 30% of 180 _____
 c) 80% of 80 _____ d) 40% of 120 _____

2 Convert these fractions to percentages.

- a) $\frac{8}{20}$ = _____ b) $\frac{6}{25}$ = _____
 c) $\frac{8}{40}$ = _____ d) $\frac{15}{60}$ = _____



4 marks



4 marks

Percentages

PS

3

The clothes shop is having a sale. Everything has been reduced by 30%. What are the sale prices for each item?

- a) Skirt £ _____
- b) Trousers £ _____
- c) T-shirt £ _____



£24



£51



£27.50



3 marks

Marks..... /11

Challenge 3

PS

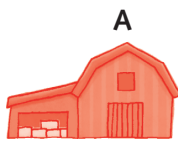
1

Peter got $\frac{15}{20}$ for his Maths test and $\frac{20}{25}$ for his Geography test. In which subject did he do best? _____

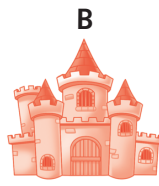
PS

2

Next year house prices are set to rise by 15%. What are next year's prices for these houses?



£320 000



£850 000



£648 000

You can use the tables below to help you calculate your answers.

House A			
100%	10%	5%	115%
£320 000			

House B			
100%	10%	5%	115%
£850 000			

House C			
100%	10%	5%	115%
£648 000			



2 marks



3 marks

Marks..... /5

Total marks /27

How am I doing?

