

1. {ONLY even digits}
 - (a) Work out 50% of £840
 - (b) Work out 50% of £46
 - (c) Work out 50% of £0.64

2. {includes odd digits}
 - (a) Work out 50% of £87
 - (b) Work out 50% of £520
 - (c) Work out 50% of £15.60

3.
 - (a) Work out 10% of £54 200
 - (b) Work out 10% of £182
 - (c) Work out 10% of £17.40
 - (d) Work out 10% of £23

4.
 - (a) Work out 1% of £34
 - (b) Work out 5% of £35
 - (c) Work out 20% of £35
 - (d) Work out 25% of £34

5.
 - (a) Work out 75% of £160
 - (b) Work out 30% of £4200
 - (c) Work out 15% of £82.00

6.
 - (a) Work out 40% of £520
 - (b) Work out 80% of £520
 - (c) Work out 2% of £520
 - (d) Work out 2.5% of £520

{% of word problems with calculations from strand 1 to 6}

7. The headteacher asks 240 students Year 9 students about their GCSE options.
20% of the students chose to study Chinese.
Calculate how many students chose to study Chinese.

{% increase or decrease word problems with calculations from strand 1 to 6}

8. (a) Izzy earns £18 000 per year.
She will have a pay rise of 2.5% next year.
How much will her new salary be?
- (b) A fridge-freezer costs £260
Hettie gets 5% off the price of the fridge-freezer.
Work out how much she has to pay for the fridge-freezer.

{% write ... as a percentage ALSO some include metric unit conversion}

9. (a) Evan is cooking soup.
He has a one kilogram of vegetables.
450 grams of the vegetables are pumpkin.
Write down 450 grams as a percentage of 1 kilogram.
- (b) Isla buys a multi-pack of 15 packets of crisps.
3 of the crisp packets are cheese and onion.
What percentage of the multi-pack is cheese and onion flavour.
- (c) Rafan is swimming 2 kilometres.
He has swum 700 metres so far.
Write down 700 metres as a percentage of 2 kilometres.
- (d) Mahirah had £25 to spend last week.
She spent £3 on a magazine.
Express £3 out of £25 as a percentage.