1. Find the following using a calculator :-

a	13% of £1500	b	72% of 520 km	c	28% of £50·50
d	81% of 420 ml	e	22·5% of 120 kg	f	33% of 480 mm
g	79% of £60	h	14% of 120 cm	i	60% of 12 000 km
j	18% of 7 cm	k	$66\frac{2}{3}$ % of 28·5 km	l	23% of £0·25 million
m	101% of £800	n	125% of 150 km	o	150% of £5.

2. a On red nose day, 24% of pupils at Clydebank High wore a red nose.
If there were 1400 pupils, how many wore a red nose ?

b 43% of 1600 people asked in a survey preferred cats rather than dogs.
How many people in the survey preferred cats ?

c

There were 5850 people using a ski slope yesterday.
32% of them had never been skiing before.
How many had never been skiing before ?

d The cost of using the ski slope was £45 per day.
A 12% **discount** was given yesterday.
How much money was taken off the price yesterday ?

e Salters Suits give a 37% **discount** on a £680 suit.
How much would I **have to pay** for the suit ?

f Jake weighed 87 kg and wanted to **lose** 8%.
How much did Jake want to weigh ?

LIVEWORKSHEETS

3. a Zara, who weighed 70 kg, found that after training for a Marathon her weight had dropped by 13%.

(i) By how much had Zara's weight dropped ?

(ii) How much does Zara weigh now ?

b Zara's last Marathon time was exactly 3 hours.
She wanted to beat this time by at least 10%.

What time did she want to achieve in this Marathon ?

5. a Peter poured 12 litres of juice into a large punch bowl for his ***Save The Children*** fundraising party.

After the party there was only 8% of the juice left.

How many millilitres had been drunk at the party ?

b Peter beat last year's total (£1850) by 18%.

How much money did he raise this year ?

6.

Shop A had a football strip priced at £70 but had a 12% discount sticker.

Shop B had the strip marked £75 but with a 21% discount sticker.

Which shop had the cheaper football strip ? (*Explain*).

7. Two flats each cost £80000.

A year later Flat 1 had an increased valuation at 12%.

Flat 2 had its value decreased by 9%.

a What profit will Flat 1 make on its property ?

b What is the difference between the two Flats' prices now ?

LIVEWORKSHEETS