



Name:

Class teacher:

$\sqrt{\quad}$ - Unit 2 - Percentages

Question Number	Skill	Sparx	My Score	Max Score	R	A	G
1	I can find a simple percentage of a quantity (10%, 25%, 50%, 100%)	U554		2	0	1	2
2	I can find an integer percentage of a quantity	U554		5	0 1	2 3	4 5
3	I can find a percentage of a quantity	U554		2	0	1	2
4	I can perform a percentage increase or decrease	M476		4	0 1	2 3	4
5	I can solve a percentage change problem given in context			4	0 1	2 3	4
6	I can find the percentage change	U278		3	0 1	2	3
7	I can identify and work with fractions and percentages in problems			5	0 1	2 3	4 5

Reflections on Learning

1) Josh and Alice are both playing their guitars in a band. The band plays for 80 minutes. a) Josh plays his guitar for 25% of the time. How long does Josh play his guitar for? b) Alice plays her guitar for 10% of the time. How long does Alice play her guitar for? 	[1] [1]
2) a) Work out 72% of 320cm b) Adam gets a bonus of 32% of his £180 wage. Katy gets a bonus of £64.50 Work out the difference between the bonus Adam gets and the bonus Katy gets. £.....	[2] [3]

3) Calculate $27\frac{1}{2}\%$ of £98

£.....

[2]

4) a) Work out the final amount when £620 is increased by 55%

£.....

[2]

b) Work out the final amount when 240g is decreased by 30%

.....g

[2]

5) A shop has this special offer:

Reduction of 17% when your bill is between £50 and £100

Reduction of 28% when you bill is more than £100

Before the reductions, Marie's bill is £96 and Richard's bill is £108

After the reductions, who paid more?

You must show your working.

.....

[4]

- 6) The table gives some information about the average price of a litre of petrol in England.

	January 2007	January 2012
Average price of a litre of petrol (pence)	87.3	133.3

Calculate the percentage increase in the average price of a litre of petrol in England between January 2007 and January 2012.

Give your answer correct to 3 significant figures.

.....%

[3]

7) Behnaz makes candles.

She buys 5 boxes of wax and uses them all to make candles.

Each box will make 6 candles and costs £25.

Behnaz sells $\frac{2}{5}$ of the candles for £13 each.

She then reduces this price by 20% and sells the rest of the candles.

Work out the total amount of profit Behnaz gets by selling all the candles she made.

£.....

[5]

GLUE

GLUE

GLUE

GLUE