Name: _____

Instructions

- Use **black** ink or ball-point pen.
- Answer all Questions.
- Answer the Questions in the spaces provided
  – *there may be more space than you need.*
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all your working out.**

Information

- The marks for each Question are shown in brackets
  – *use this as a guide as to how much time to spend on each Question.*

Advice

- Read each Question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every Question.
- Check your answers if you have time at the end

1 Two packs of toilet rolls are available in the supermarket

9 toilet rolls for £3.15   4 toilet rolls for £1.36

Work out which pack offers the best value for money.
You must show your working.

$$\frac{315}{9}$$

$$\frac{136}{4}$$

$$9\overline{)3\,1\,^45} = 35$$

$$4\overline{)1\,3\,^16} = 34$$

35p per toilet roll   34p per toilet roll

The 4 - pack is better value

(Total for question 1 is 3 marks)

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2 Potatoes cost £9 for a 12.5 kg bag at a farm shop.
The same type of potatoes cost £1.83 for a 2.5 kg bag at a supermarket.

Where are the potatoes the better value, at the farm shop or at the supermarket?
You must show your working.

FARM SHOP

£9 for 12.5kg

SUPERMARKET

$1.83 \times 5 = £9.15$

£9.15 for 12.5kg

The Farm Shop is better value

(Total for question 2 is 3 marks)

3 Two different jars of the same coffee are are available in the supermarket

200 grams for £5.69   300 grams for £7.49

Work out which jar offers the best value for money.
You must show your working.

5.69 × 3 = £17.07   7.49 × 2 = £14.98

£17.07 FOR 600g   £14.98 FOR 600g

The 300 gram jar

(Total for question 3 is 3 marks)

4 A brand of shampoo is available in two different bottles.

900 ml for £5.50   400 ml for £2.50

Work out which bottle offers the best value for money.
You must show your working.

550 ÷ 9   250 ÷ 4

$$9 \overline{)5\ 5\ ^{1}0\ .\ ^{1}0} = 61.1$$ $$4 \overline{)2\ 5\ ^{1}0\ .\ ^{2}0} = 62.5$$

61.1p for 100ml   62.5p for 100ml

The 900 ml bottle

(Total for question 4 is 3 marks)

5 Three packs of tea bags are available in the supermarket

Pack A	Pack B	Pack C
240 tea bags for £5	200 tea bags for £4	160 tea bags for £3

Which pack offers the best value for money

$\div 5$

$\div 4$

$\div 3$

48 tea bags for £1 | 50 tea bags for £1 | 53.3 tea bags for £1

PACK C IS THE BEST VALUE

(Total for question 5 is 4 marks)

6 Two packs of tea bags are available in the supermarket

Pack A

240 tea bags
+ 20% extra free
£4

Pack B

240 tea bags

15 % off the
normal price of
£4
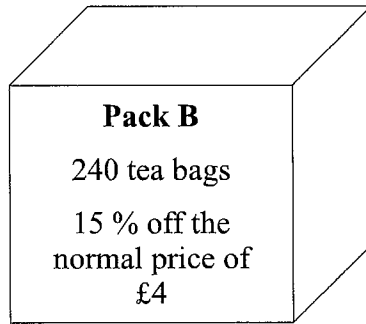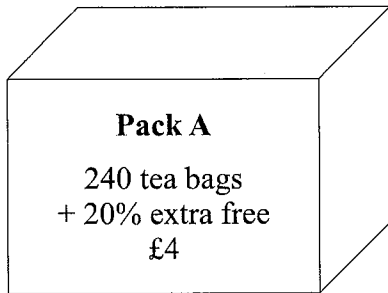
Which pack offers the best value for money

$\frac{240}{10} = 24$ (10%)

$24 \times 2 = 48$ (20%)

$240 + 48 = 288$

288 tea bags for £4

$\frac{400}{288} = 1.38$ p per tea bag

$\frac{400}{10} = 40$ (10%)

$\frac{40}{2} = 20$ (5%)

$40 + 20 = 60$ (15%)

£4 - 60p = £3.40

240 tea bags for £3.40

$\frac{340}{240} = 1.416$ p per tea bag

PACK A

(Total for question 6 is 4 marks)