QT Best Buys

1. Two different packs of Top Tea Bags are available at the supermarket:

Superpack - 180 tea bags for £5 — 500p
Megapack - 200 tea bags for £6 — 600p

Which pack represents the best value for money?

Superpack $\dfrac{500}{180} : \dfrac{50}{18} = \dfrac{25}{9} = 9\overline{)25.00}^{2.77...}$ 2.77p each

Megapack $\dfrac{600}{200} = \dfrac{6}{2} = 3$ 3p each.

Superpack

2. Big Flavour Coffee is available in two different jars:

200 grams for £4.99
300 grams for £5.99

Work out which jar represents the best value for money.

200g jars.

600g
(3 jars) $\begin{array}{r} 499 \\ \times\ 3 \\ \hline 1497 \end{array}$

£14.97.

300g jars.

600g
(2 jars) $\begin{array}{r} 599 \\ \times\ 2 \\ \hline 1198 \end{array}$

£11.98

300g jar.

3. Medium eggs cost £1.09 for a pack of 6, or £2.70 for a pack of 18. Which price is the better value? You must show your working.

18 eggs.
A pack of 6
× 3

$$\begin{array}{r} 109 \\ \times\ \ \ 3 \\ \hline 327 \end{array}$$

£3.27
(3 packs of 6)

£2.70 pack of 18
is better value.

4. Onions cost £8 for a 7.5kg bag at a farm shop. The same onions cost £2.50 for a 2.5kg bag at the supermarket.

Where are the onions better value, at the farm shop, or the supermarket?

Farm shop
£8 for 7.5kg

Supermarket

$$\begin{array}{r} 250 \\ \times\ \ \ 3 \\ \hline 750 \end{array}$$

£7.50

Supermarket is better value

5. Moosehead shower gel is available in three different containers:

Large 800ml for £6.50
Medium 600ml for £5.00
Small 400ml for £3.75

Which container offers the best value for money? You must show your working.

Large 100ml | Medium 100ml | Small 100ml

$$8 \overline{)650.00} = 81.25$$

$$6 \overline{)500.00} = 83.33$$

$$4 \overline{)375.00} = 93.75$$

81.25p | 83.3̇p | 93.75p

Larger bottle best value.

6. In a supermarket sale there are two offers for dishwasher tablets

Pack A - 180 tablets + 25% extra free - total cost £4 — 400p $180 + 45 = 225$
Pack B - 180 tablets + 10% off the normal price of £4 = 360p

Which pack offers the best value for money?

PACK A

10% of 180 = 18
20% of 180 = 36
5% of 180 = 9
25% of 180 = 45

$$\frac{400}{225} = \frac{80}{45} = \frac{16}{9}$$

$$9 \overline{)16.00} = 1.77$$

1.7̇p per tablet

PACK B

10% of 400 = 40

$$\begin{array}{r} 400 \\ - 40 \\ \hline 360 \end{array}$$

$$\frac{360}{180} = \frac{36}{18} = \frac{2}{1}$$

2p per tablet

PACK A better value.