



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?

$$\text{Superpack } \frac{500}{180} = \frac{50}{18} = \frac{25}{9} = 9 \overline{)25.00} \dots 2.77 \text{ p each}$$

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

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 jar -

$$\begin{array}{r} 600\text{g} \\ (3 \text{ jars}) \\ \times 4.99 \\ \hline 14.97 \end{array}$$

£14.97

300g jar -

$$\begin{array}{r} 600\text{g} \\ (2 \text{ jars}) \\ \times 5.99 \\ \hline 11.98 \end{array}$$

£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
x 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 800ml $\begin{array}{r} 81.25 \\ 8 \overline{) 650.00} \\ \underline{640} \\ 100 \\ \underline{80} \\ 20 \\ \underline{20} \\ 0 \end{array}$ <u>81.25p</u>	Medium 600ml $\begin{array}{r} 83.33 \\ 6 \overline{) 500.00} \\ \underline{480} \\ 20 \\ \underline{18} \\ 20 \\ \underline{18} \\ 20 \\ \underline{18} \\ 20 \end{array}$ <u>83.33p</u>	Small 400ml $\begin{array}{r} 93.75 \\ 4 \overline{) 375.00} \\ \underline{360} \\ 150 \\ \underline{120} \\ 300 \\ \underline{280} \\ 200 \\ \underline{160} \\ 400 \\ \underline{400} \\ 0 \end{array}$ <u>93.75p</u>
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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	$10\% \text{ of } 180 = 18$	$\frac{400}{225} = \frac{80}{45} = \frac{16}{9}$	$4 \overline{) 16.00}$
	$20\% \text{ of } 180 = 36$		
	$5\% \text{ of } 180 = 9$		
	$25\% \text{ of } 180 = 45$		<u>1.77p per tablet</u>
PACK B	$10\% \text{ of } 400 = 40$	$\frac{360}{180} = \frac{36}{18} = \frac{2}{1}$	<u>2p per tablet</u>

PACK A better value.