



Comparing Costs:

- Non – Calculator:** Tesco sells bottles of cola at two different prices. A 500ml bottle costs £1.20 and a litre bottle costs £2.20.

 - Calculate the cost per 100ml for the 500ml bottle
 - Calculate the cost per 100ml for the 1 litre bottle.
 - Which is better value?

- A manufacturer sells planks of wood at three different amounts. Pack A which is 8kg for £40. Pack B which is 15kg for £70 and Pack C which is 50kg for £200.

 - Calculate the cost of each pack per kg.
 - Which is the best value for money and why.

- In a shop Packets are sold separately or in packs of 4, 6 and 12. The prices are as follows.

Single pack = 55p
 Four Pack – £1.80
 Six Pack - £2.90
 Twelve Pack - £5.90

Rank these from the best deal to the worst deal.

- Non Calculator:** Mrs Thompson is hiring an electrician. Online she finds two different companies willing to send someone.

Company 1's Offer: £35 deposit plus £18 for every hour of work.
 Company 2's Offer: No deposit, £22 for every hour of work.

 - Mrs Thompson estimates that the job will take 5 hours. Which company should she choose and why?
 - What is the minimum number of hours required so that she chooses the other company?

- A builder is buying screws. There are three choices.

Supplier 1 – 2000 screws for £23
 Supplier 2 – 3200 screws for £41.50
 Supplier 3 – 4500 screws for £61.20

Which supplier should he use and why?

- Mrs McDougall is getting her roof fixed. She tries calling three different companies.

Company A – Tell her that it is £40 as a call out fee. Plus the added charge of £25 per hour plus materials.
 Company B – The call out fee is £65 with a fee of £20 per hour. With any cost of materials added on at the end.
 Company C offer no call out fee and will charge £500 for the whole job.
 It is estimated that it would take 14 hours and that materials would cost £130.
 List the three companies in order of cheapest to most expensive.

- The Thomas family are looking to go on holiday. Their travel agent tells them that it will cost £1120 and has three offers for them.

Offer 1: Pay 25% deposit plus 6 monthly payments of £160

Offer 2: Pay 15% deposit plus 12 monthly payments of £90

Offer 3: Pay 40% deposit plus 3 monthly payments of £235.

Which offer should the Thomas family take? Explain your answer

8. **Non Calculator:** Simon is looking to buy a new TV which costs £440. He has two options.

Option 1: Pay 15% up front. Then 6 monthly instalments of £65.40

Option 2: Pay 30% up front. Then 12 monthly instalments of £33.60

Which offer is cheaper and how much does Simon save?

9. **Non Calculator:** Fiona is buying a new kitchen. She can either pay for it up front at £2270 or she can pay a first instalment of 30%, followed by 12 payments of £145. How much money would Fiona save paying for it all up front?

10. **Non Calculator:** A restaurant supplier sells Potatoes in two sizes of bag.

A 12kg bag that costs £53.04

A 20kg bag that costs £89

Which size of bag is better value for the restaurant?