

Which is the best Deal – GCSE Maths Questions – www.m4ths.com

(1) Terry wants to buy 25 plants for his garden. He can visit one of two plant stores, The Plant Shop and Plants R Us. The prices of each store are shown below.

The Plant Shop
£1.50 a plant and
10% off orders
over £20

Plants R Us
Trays of 10 plants
£13
Trays of 5 plants
£7

Advise Terry on which store he should go to buy the 25 plants. You must show all of your workings.

(2) Sue reads her gas meter on the first of June and it reads 43014 units. On the first of September the meter reads 44049 units. Sue needs to renew her gas supply contract and can choose one of the two following offers.

Energy Shop
£10 a month fixed
charge plus 20p
per unit.

Power Line
No Monthly cost.
24p per unit

Which would you advise Sue to choose? You must show how you decided with clear workings.

(3) A headmaster of a school is planning a trip. He needs to ensure 98 students and 4 teachers can be taken from school to the seaside and he decides to use The Coach Company. The Coach Company Have the following price list.

The Coach Company
9 Seater Minibus = £100
6 Seater Minibus = £80
5 Seater Minibus = £75
4 Seater Car = £55

Find the cheapest way of ensuring all of the students and the teachers can go on the trip.

(4) At a bakery Freda can buy individual cakes for £1.20 of 4 for £4.28. Freda needs to feed 13 men, 2 women and 3 kids at her work place. Find the cheapest way of buying enough cakes to ensure each person has a cake.

(5) Jenny wants to buy a scarf. She can buy it from 3 different companies as shown below

Company A
£23.50
Plus 10% off

Company B
£22
Plus 1/11 off

Company C
£19
Plus added
tax of 12%

Which company would you advise her to buy from if she wants the cheapest deal?