

Marks

KU RE

1. Ten people were asked to guess the number of coffee beans in a jar.

Their guesses were:

310 260 198 250 275 300 245 225 310 200

- (a) What is the range of this data?



1

- (b) Find the median.

2

[Turn over]

Marks

KU RE

2. Mr and Mrs Kapela book a cruise to Bruges for themselves and their three children.

- They depart on 27 June
- Mr and Mrs Kapela share an outside cabin and their three children share an inside cabin
- There is a 20% discount for each child



Calculate the total cost of the cruise.

Mini Cruise to Bruges, Belgium		
	Price per person	
Departure Date	Inside Cabin (£)	Outside Cabin (£)
16 May	236	250
30 May	244	274
13 June	266	300
27 June	275	310
12 July	291	325
26 July	312	355
9 Aug	327	370

Marks

KU RE

3. As part of his healthy diet, Tomas has decided to buy fruit in his weekly shopping.

His favourite fruits and their costs per pack are given in the table below.

<i>Fruit</i>	<i>Cost</i>
Apples	£1.25
Oranges	£1.20
Grapes	£2.49
Pears	£1.56
Melon	£1.98



He wants to

- buy 3 different packs of fruit
- spend a maximum of £5 on fruit.

One possible selection and its cost are shown in the table below.

Complete the table to show all of Tomas's possible selections and their cost.

Apples	Oranges	Grapes	Pears	Melon	Cost
✓	✓		✓		£4.01

4

[Turn over]



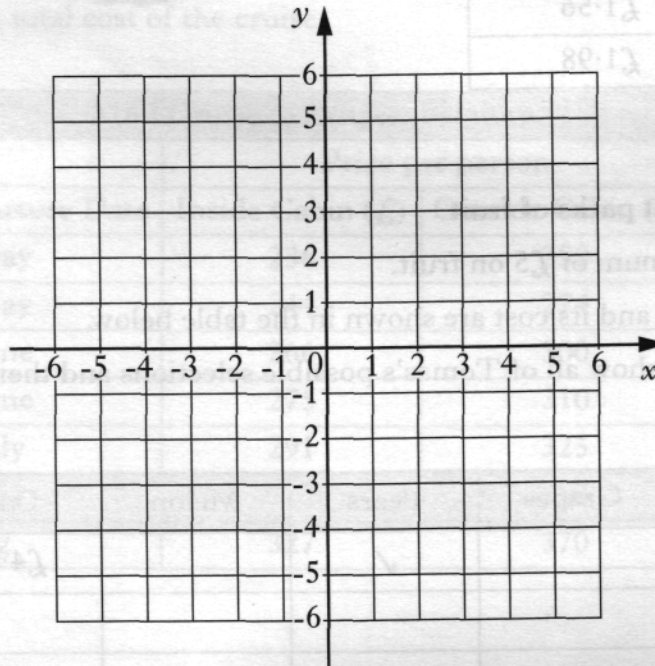
Marks

4. (a) Complete the table below for  $y = 2x - 3$ .

$x$	-1	1	3
$y$			

2

- (b) Using the table in part (a), draw the graph of the line  $y = 2x - 3$  on the grid below.



2