7 Marbles are put under plastic cups as shown in the diagram.



Jan picks one cup without looking.

Use arrows to mark the following on the probability line below. Label the arrows A, B and C.

- A: Jan will pick a cup with just one marble underneath. [1]
- B: Jan will pick a cup with two marbles underneath. [1]
- C: Jan will pick a cup with three marbles underneath. [1]

0

3

8 A cable car can hold a maximum of 18 people.



How many cars will be needed to take a group of 103 people up the mountain?

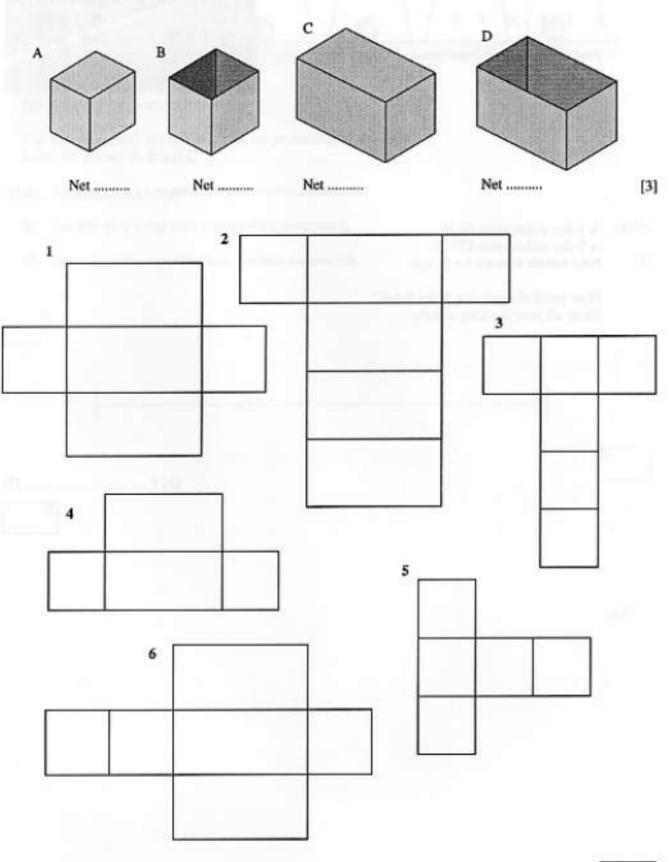
 	[2]
[2]	

9 Fill in the missing numbers in this pattern.

1	x	4	+	2	=	6	-	0	+	1	+	2	+	3	
2	x	4	+	2	=	10	=	1	+	2	+	3	+	4	
	x	4	+	2	=	14	=	2	+	3	+	4	+		
4	x	4	+	2	=		=		+	4	+	5	+	6	
10	x	4	+		=		=		+		+	11	+	12	4

10 Here are drawings of some boxes. Boxes B and D do not have a top.

Match each box to its net.



3

Turn over

11 (a) Neta makes a note of how many minutes late her train is each day.

Here are her results.

9 2 5 10 5 6 7

Find the median of these times.



(a).....[2]

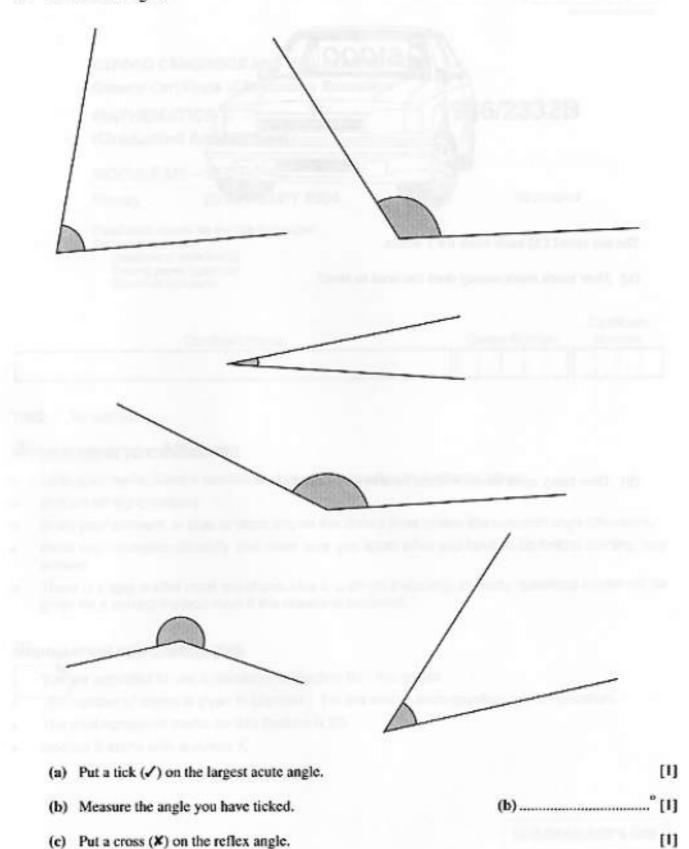
(b) A 1-day ticket costs £6-15. A 5-day ticket costs £27-50. Neta travels to work for 5 days.

> How much cheaper is a 5-day ticket? Show all your working clearly.

> > (b) £.....[3]

5

12 Here are six angles.



13 Aysha wants to buy this second-hand car.



She has saved £65 each week for 7 weeks.

(a) I	How	much	more	money	does	she	need	to	save?
-------	-----	------	------	-------	------	-----	------	----	-------

(a) £[3	3	
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(b) How many more weeks will she have to go on saving?

)		*
	[3]	7
	[2]	