

- 1 (a) Complete the next line in this number pattern.

$$5 \times 7 = 35$$

$$55 \times 7 = 385$$

$$555 \times 7 = 3885$$

$$5555 \times 7 = 38885$$

$$\dots \times \dots = \dots$$

[2]

- (b) Carol says this is a line from the same number pattern.

$$55555555 \times 7 = 3888888885$$

Explain why 3888888885 is wrong.

.....
 [1]

3

- 2 This is part of a television guide.

7.00 pm	News
7.15 pm	All Sports
8.10 pm	History of India
8.55 pm	Bollywood Legend
9.35 pm	Late Film
11.25 pm	Police File
11.55 pm	Close

- (a) How long does *History of India* last?

(a)minutes [1]

- (b) Charles recorded *Bollywood Legend* and the *Late Film*.
 He used a three-hour tape.

How much recording time is left on the tape?

(b)minutes [2]

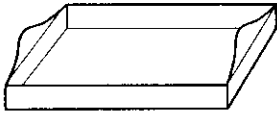
[Turn over

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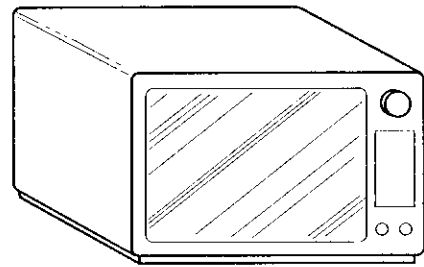
- 3 (a) Which of these kitchen items have reflection symmetry?
Write **Yes** or **No** under each diagram.

(i) Tray



.....

(ii) Microwave



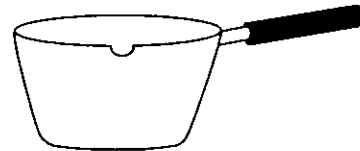
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(iii) Jug



.....

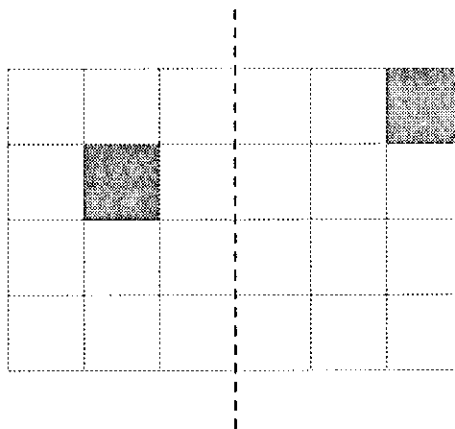
(iv) Saucepan



.....

[2]

- (b) Shade 4 more squares on this grid so that the dashed line is the **only** line of symmetry.



[2]



- 4 Sarfraz records the numbers of skittles he knocks down in nine turns.

7 2 7 3 3 9 4 7 5

- (a) Find the median of these numbers.

(a)[2]

- (b) Find the mode of these numbers.

(b)[1]

3	
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- 5 Fill in the missing numbers.

- (a)

$$\begin{array}{r} 3 \square \\ + \square 8 \\ \hline 65 \end{array}$$

[2]

- (b)

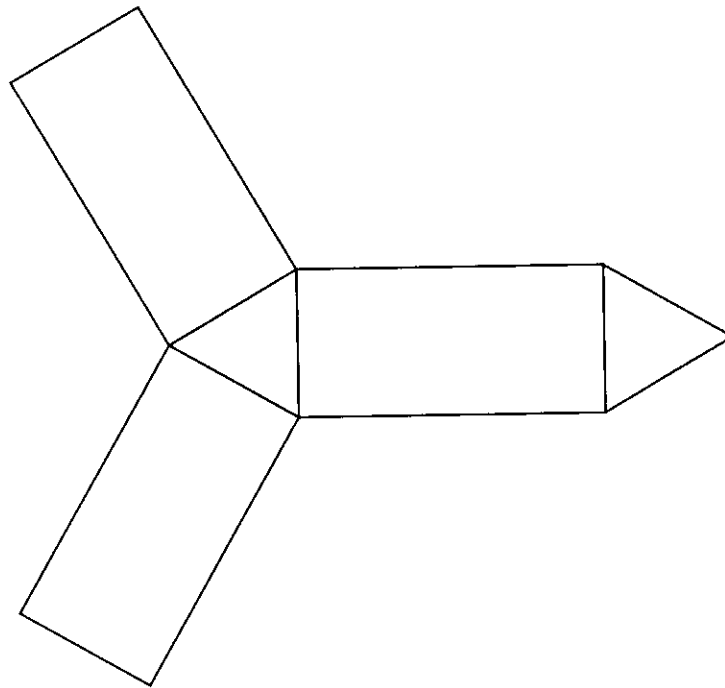
$$\begin{array}{r} \square 4 \\ 4 \overline{) 9 \square} \end{array}$$

[2]

4	
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[Turn over]





- (a) What is the name of the solid that can be made from this net?
Choose a name from this list.

Cuboid

Cylinder

Pyramid

Prism

Sphere

(a)[1]

- (b) How many faces does the solid have?

(b)[1]

- (c) How many vertices does the solid have?

(c)[1]

3



- 7 Pino is making three wooden shelves.

The shelves will be 1.20 m, 55 cm and 90 cm long.
The wood can be bought in 2 m, 3 m or 4 m lengths.

- (a) Which one of the lengths should he buy so that
he has the least amount of wood left over?
Show how you decide.

(a)m [3]

- (b) What length of wood is left over?
Give your answer in centimetres.

(b)cm [2]

5

