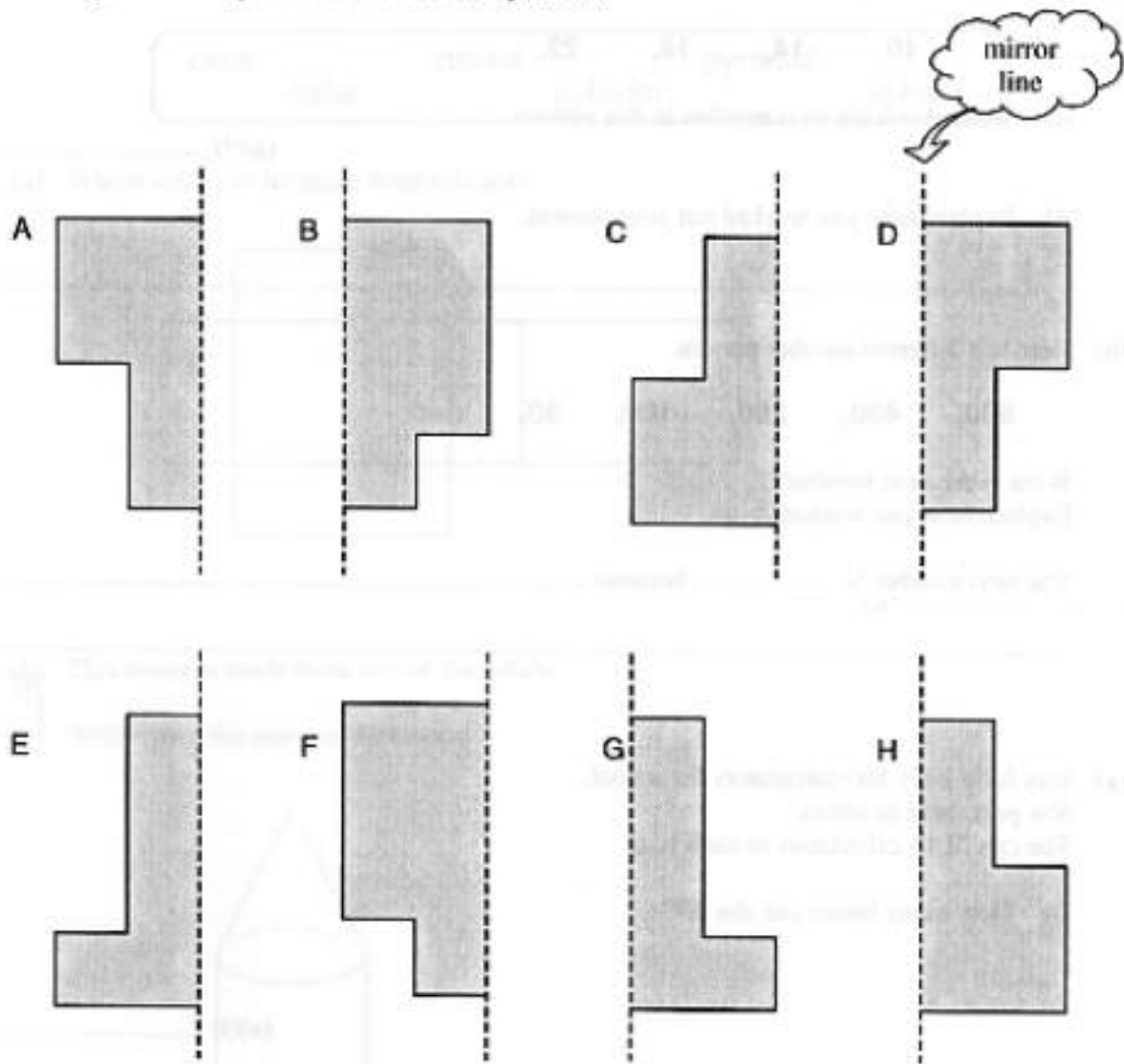


7 This diagram shows parts of four reflection patterns.



Find the matching pairs.

- A matches with
- matches with
- matches with
- matches with

[2]

2	
---	--

- 8 (a) Here is a number pattern.

6, 10, 14, 18, 22, ...

- (i) Write down the next number in this pattern.

(a)(i)[1]

- (ii) Explain how you worked out your answer.

.....[1]

- (b) Here is a different number pattern.

800, 400, 200, 100, 50, ...

What is the next number?

Explain how you worked it out.

The next number is because

.....[2]

4

- 9 (a) Mrs Jolly buys 100 calculators for school.
She puts them in boxes.
She can fit 15 calculators in each box.

- (i) How many boxes can she fill?

(a)(i)[1]

- (ii) How many calculators will be left over?

(ii)[1]

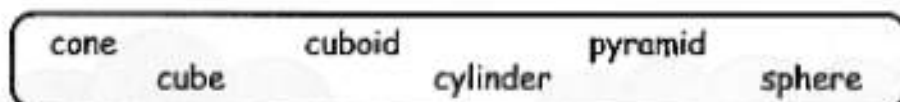
- (b) Mrs Jolly buys 5 graphical calculators.
They cost £137.25 altogether.

Work out the cost of 1 graphical calculator.

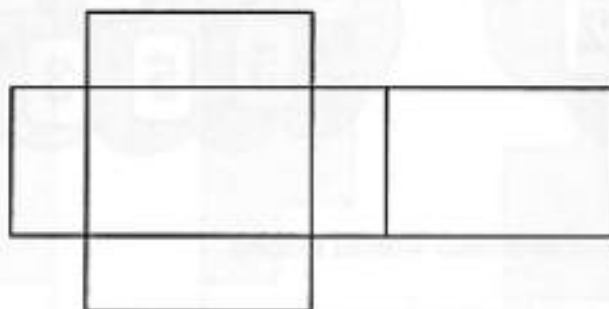
(b)£[2]

4

10 Use this list of solids to answer these questions.



(a) Which solid can be made from this net?



(a)[1]

(b) This tower is made from two of the solids.

Write down the name of each solid.



.....

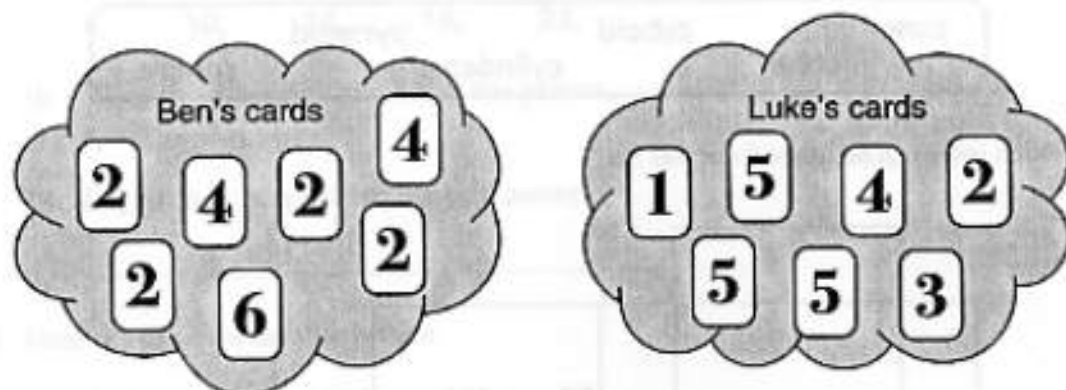
[1]

.....

[1]

3

11 Ben and Luke are playing a card game.



(a) Ben and Luke each choose one of their cards without looking.

(i) Use a probability word to complete this sentence.

It is that Ben will choose a 6.

[1]

(ii) Using arrows labelled B and L, mark on the line the probability of each of these events.

B: Ben chooses a 2.

L: Luke chooses a 2.



[2]

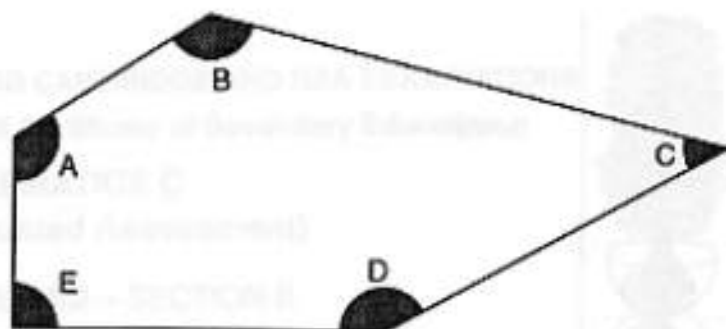
(b) They play a game and Luke records his scores.
Here are his results.

25 30 25 35 40 5 25 50 30

Find the median score.

(b) [2]

5



(a) Put the letters in the correct spaces in this table.

right angle	acute angle	obtuse angle	reflex angle

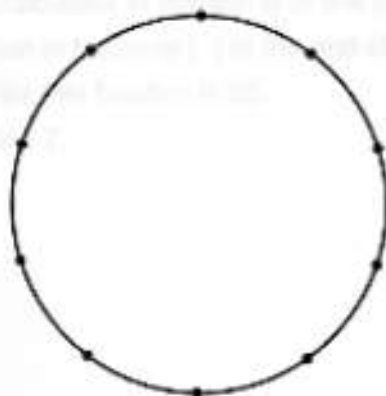
[3]

(b) Name the shape drawn inside this circle.

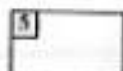


(b).....[1]

(c) Draw a pentagon inside this circle.

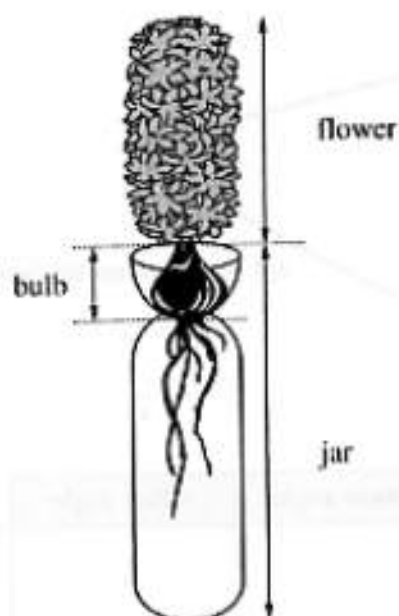


[1]



TURN OVER FOR QUESTION 13

13 The flower is 15 cm tall.



(a) Estimate the height of the bulb.

(a)cm [1]

(b) Estimate the height of the jar.

(b)cm [1]

2