YOUNG EDUCATION SERVICES
GREENWICH
Y6

Name: _____ **Date:** Summer Term Pack 9

Prepared by: D. Bell-Duane

COMPREHENSION: Read the extract from Oliver Twist then answer the questions.

MATHS: Bancroft Maths Paper 1

VERBAL/NON-VERBAL REASONING: At tutor's discretion, using 10-minute Test Book or CGP VR/NVR The 11+ Practice Book Ages 10 – 11– practice questions as appropriate (not test papers)

PLEASE NOTE – VR/NVR to be discussed and completed in session.

Books and materials to be returned: _____

Teacher's Signature: _____

This homework given in on: _____

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Section 1 - Comprehension

*This is an extract from Oliver Twist by Charles Dickens. Read the extract and then answer all the questions that follow. You **do not** have to answer in complete sentence*

Of all bad deeds that, under cover of the darkness, had been committed within wide London's bounds since night hung over it, that was the worst. Of all the horrors that rose with an ill scent upon the morning air, that was the foulest and most cruel.

The sun - the bright sun, that brings back, not light alone, but new life, and hope, and freshness to man - burst upon the crowded city in clear and radiant glory. Through costly-coloured glass and paper-mended window, through cathedral dome and rotten crevice, it shed its equal ray. It lighted up the room where the murdered woman lay. It did. He tried to shut it out, but it would stream in. If the sight had been a ghastly one in the dull morning, what was it, now, in all that brilliant light!

He had not moved; he had been afraid to stir. There had been a moan and motion of the hand; and, with terror added to rage, he had struck and struck again. Once he threw a rug over it; but it was worse to fancy the eyes, and imagine them moving towards him, than to see them glaring upward, as if watching the reflection of the pool of gore that quivered and danced in the sunlight on the ceiling. He had plucked it off again. And there was the body - mere flesh and blood, no more - but such flesh, and so much blood!

He struck a light, kindled a fire, and thrust the club into it. There was hair upon the end, which blazed and shrunk into a light cinder, and, caught by the air, whirled up the chimney. Even that frightened him, sturdy as he was; but he held the weapon till it broke, and then piled it on the coals to burn away, and smoulder into ashes. He washed himself, and rubbed his clothes; there were spots that would not be removed, but he cut the pieces out, and burnt them. How those stains were dispersed about the room! The very feet of the dog were bloody.

All this time he had, never once, turned his back upon the corpse; no, not for a moment. Such preparations completed, he moved, backward, towards the door: dragging the dog with him, lest he should soil his feet anew and carry out new evidences of the crime into the streets. He shut the door softly, locked it, took the key, and left the house.

He crossed over, and glanced up at the window, to be sure that nothing was visible from the outside. There was the curtain still drawn, which she would have opened to admit the light she never saw again. It lay nearly under there. *He* knew that. God, how the sun poured down upon the very spot!

The glance was instantaneous. It was a relief to have got free of the room. He whistled on the dog, and walked rapidly away.

He went through Islington; strode up the hill at Highgate on which stands the stone in honour of Whittington; turned down to Highgate Hill, unsteady of purpose, and uncertain where to go; struck off to the right again, almost as soon as he began to descend it; and taking the foot-path across the fields, skirted Caen Wood, and so came out on Hampstead Heath. Traversing the hollow by the Vale of Health, he mounted the opposite bank, and crossing the road which joins the villages of Hampstead and Highgate, made along the remaining portion of the heath to the fields at North End, in one of which he laid himself down under a hedge, and slept.

Soon he was up again, and away, - not far into the country, but back towards London by the high-road - then back again - then over another part of the same ground as he already

traversed - then wandering up and down in fields, and lying on ditches' brinks to rest, and starting up to make for some other spot, and do the same, and ramble on again.

Where could he go, that was near and not too public, to get some meat and drink? Hendon. That was a good place, not far off, and out of most people's way. Thither he directed his steps, - running sometimes, and sometimes, with a strange perversity, loitering at a snail's pace, or stopping altogether and idly breaking the hedges with his stick. But when he got there, all the people he met - the very children at the doors - seemed to view him with suspicion. Back he turned again, without the courage to purchase bit or drop, though he had tasted no food for many hours; and once more he lingered on the Heath, uncertain where to go.

He wandered over miles and miles of ground, and still came back to the old place. Morning and noon had passed, and the day was on the wane, and still he rambled to and fro, and up and down, and round and round, and still lingered about the same spot. At last he got away, and shaped his course for Hatfield.

1. Read paragraph 2 (lines 4 -9). What crime do you think has been committed?

   A woman has been murdered. [1]

2. What word in paragraph 2 shows how horrified he is by the crime committed?

   Ghastly [1]

3. What weapon is mentioned in paragraph 4?

   A club [1]

4. What does he do with the weapon?

   He burns it. [1]

5. In line 12, we are told "it was worse to fancy the eyes". What do you think the word 'fancy' means here?

   to imagine [1]

6. In paragraph 5, what word tells us that he closes the door quietly?

   Softly [1]

7. Look closely at lines 16-22, apart from the club, how does he try to remove further evidence of the crime?

He washes himself and attempts to clean his clothes. When he finds stains that won't wash out, he cuts them out and burns them.

[4]

8. In your own words, what two reasons are given for dragging the dog out of the room?

To prevent the dog from spreading bloody footprints all over the crime scene and stop it from trailing evidence into the street.

[2]

9. Look closely at paragraph 6. Why do you think he looks back at the window of the house after he had left?

To check that the body isn't visible from the street.

[1]

10. In line 34, the writer mentions "the stone in honour of Whittington".

Can you guess who Whittington was?

The mayor of London, Richard Whittington

[2]

11. What phrase in lines 45-52 of the extract tells the reader that he moves very slowly?

he moved "at a snail's pace".

[1]

12. Re-read paragraph 8. Where, precisely, does he go to sleep?

Under a hedge on the heath at North End.

[2]

13. In your own words, why does he go to Hendon?

He heads there to try and get something to eat.

[2]

SECTION A

DO AS MUCH OF THIS SECTION AS YOU CAN.

IF YOU GET STUCK, GO ON TO THE NEXT QUESTION.

1. Fill in the missing numbers in the boxes.

$55 + \boxed{27} = 82$

$\boxed{68} - 23 = 45$

$60 \div \boxed{5} = 12$

$32 \times \boxed{20} = 640$

$0.75 \div \frac{3}{4} = \boxed{1}$

(8 marks)

2. Add together 308, 86 and 4444.

4838 .....(2 marks)

3. Subtract three hundred and three

from six thousand and sixty.

5757 .....(2 marks)

4. Multiply 345 by 67.

23115 .....(2 marks)

5. Divide 3112 by 8.

389 .....(2 marks)

TURN OVER!

6. a) Angus and his six friends have collected 756 football stickers, which they all share out equally.

How many stickers do they each get?

108 .....(2 marks)

b) Today is Emma's 29th birthday.

How many months old is she?

348 .....(2 marks)

c) Amar works for 45 weeks each year.

His total cost of travelling to and from work is £630 each year. How much is that per week?

£ 14.00 .....(2 marks)

7. a) Look at these four decimals:

0.86	0.9	0.17	0.73

i) Write down the largest amount.

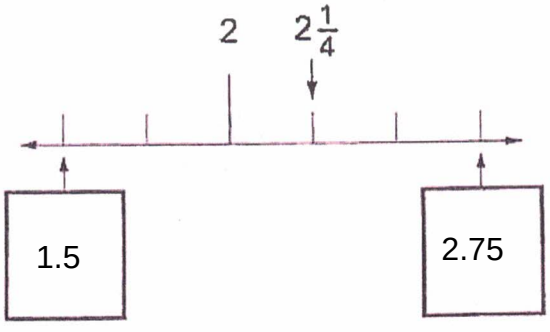
0.9 .....(1 mark)

ii) Find the difference between the largest and smallest amounts.

0.73 .....(2 marks)

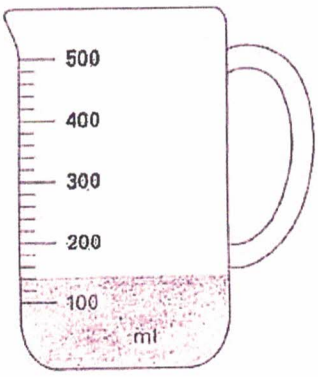
b) Here is part of a number line.

Write the two missing numbers in the boxes.



(2 marks)

8.



The jug contains

some orange squash.

How much water must be added

to make 500 millilitres of drink?

360 .....ml (2 marks)

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9. At Redville Primary School, 16 of the teachers travel to work by car, 6 travel by bus and the other 3 walk.

Car	Bus	Walk
16	6	3

What *percentage* of the teachers travel by car?

64 .....% (2 marks)

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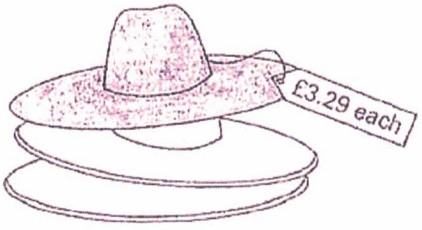
10. a) Clarissa buys the sunglasses and a sun hat.

How much change, *in pounds*, does she get from a £10 note?



£.....0.86.....(2 marks)

b) Jo and Aisha bought identical jeans from a market stall.

Jo got 10 % discount off the full price.

Aisha got 15% discount off the full price.

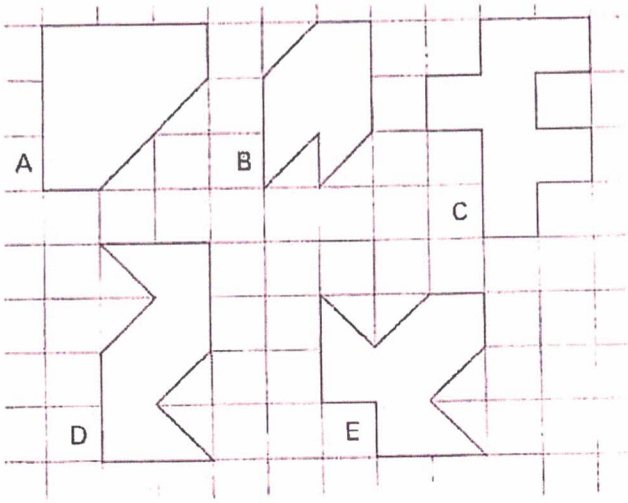
Jo paid £1.20 more than Aisha.

What was the full price of the jeans?

£ 24.00.....(2 marks)

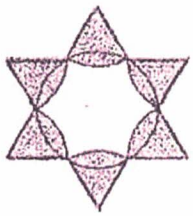
11. a) Here are five shapes on a square grid.

Write the letters of the two shapes which have a line of symmetry.



A ..... and E ..... (2 marks)

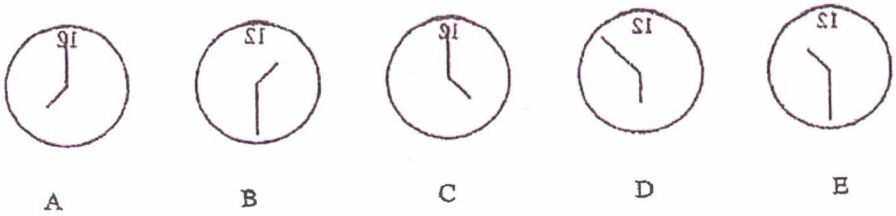
b)



How many lines of symmetry does the shape on the left have?

6 .....(1 mark)

c) If you looked in a mirror at an accurate clock at 1:30pm, which one of the following (A, B, C, D or E) would you see?



E .....(2 marks)

12.a) A film starts at 6:45pm and lasts for 2 hours 35 minutes.

At what time will it finish?

9:20pm .....(1 mark)

b) A coach left London Victoria 5 minutes late, at 13:45, and arrived in Banbury 14 minutes early, at 17:05. How long should the journey have taken if the coach had left and arrived on time?

1 .....hours 39 .....minutes (2 marks)

c) Chris runs round a track at a speed of 6 km/hour.

Dave runs round the same track at a speed of 9 km/hour.

When Chris has run 18 laps, how many laps has Dave run?

27 .....laps (2 marks)

13. a) How many sixths are there in $3\frac{1}{3}$?

20 .....sixths (1 mark)

b) What is the value of $2 + \frac{1}{2} + 3 + \frac{1}{3} + 6 + \frac{1}{6}$?

12 .....(2 marks)

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14. a) Two numbers have a difference of 3 and a sum of 27.

What are the two numbers?

12 .....and..... 15 (2 marks)

b) Start with the number 20, then multiply by 4, then add 16, then divide by 12, then find three-quarters of your answer.

What number do you get?

6 .....(2 marks)

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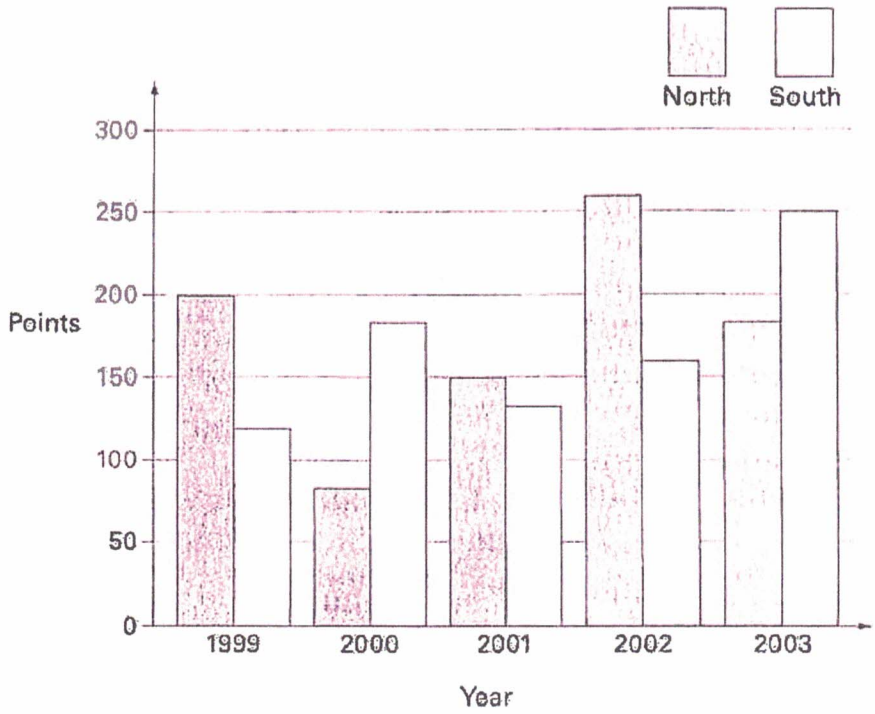
15. Each year a school has a quiz between two teams, North and South.

The diagram shows the results.



i) In which year did North beat South by 100 points?

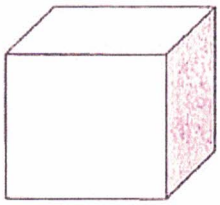
2002 .....(1 mark)

ii) In which year did South beat North by the greatest amount?

2000 .....(1 mark)

16. The total length of the edges of a cube is 240 cm.

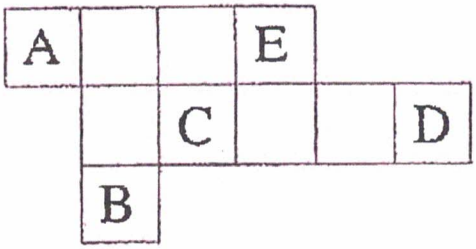
What is the length of one edge?



20 .....cm (2 marks)

17. The diagram shows a shape made from ten square tiles.

Which labelled tile (A, B, C, D or E) could be removed without changing the perimeter of the shape?



E ..... (2 marks)

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18. Here is some information about three different squares:

The *area* of Vikram's square is 64 cm^2.
The *length of a side* of Kim's square is 64 cm.
The *perimeter* of Ali's square is 64 cm.

i) Who has the largest square?

Kim .....(1 mark)

ii) Who has the smallest square?

Vikram .....(1 mark)

---

19. In a magic square, the totals for each row, column and diagonal are the same.

i) Fill in the missing numbers in this magic square.

3	10	5
8	6	4
7	2	9

(2 marks)

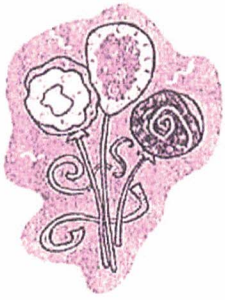
ii) Find the value of ☺ in this magic square.

(You do *not* need to complete the whole magic square.)

14		7	2
☺		12	
	5	9	16
15			3

☺ = ...1.....(2 marks)

20. a) Lollipops cost 12p each, or a pack of 3 costs 30p.

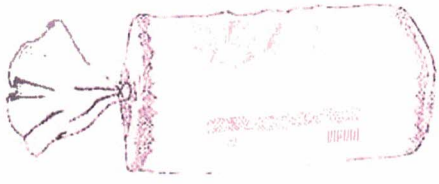


I have £2 to spend.

What is the maximum number of lollipops I can buy?

19 .....lollipops (2 marks)

b)



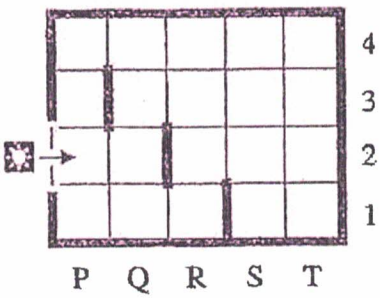
Every 100g of brown bread contains 6g of fibre.

A small loaf of bread weighs 400g and has 10 equal slices.

How much fibre is there in one slice?

2.4 .....g (3 marks)

21. The robot in the diagram has been programmed to move in a straight line and, if it meets a wall (shown by a thick line), to turn to its right by 90° and then to continue straight on.



If it cannot go straight or turn right, it will stop.

What will happen to the robot? (Write A, B, C, D or E as your answer.)

A. It will stop at square P2.

B. It will stop at square P1

C. It will stop at square T1.

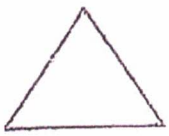
D. It will stop at square S1.

E. It will never stop.

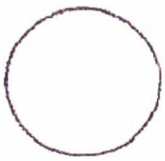
E .....(3 marks)

22. Kate is looking at a 3-D mathematical object.

When she looks at it from the front, this is what she sees:



When she looks down at it from above, this is what she sees:

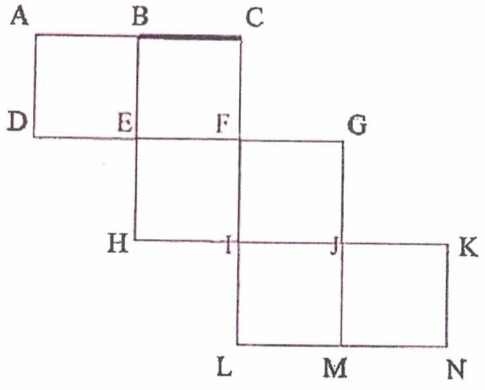


What is the mathematical name for Kate's 3-D object?

Cone .....(1 mark)

23. i) The diagram shows a net of a cube.

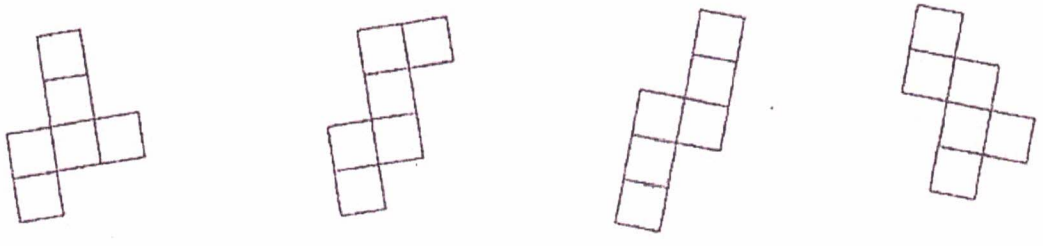
Which edge meets the edge BC when the net is folded to form the cube?



LM .....(2 marks)

ii) Which of the following are possible nets for a cube?

(Write 'yes' or 'no' in each of the spaces provided.)



Yes ..... Yes ..... No ..... Yes .....

(3 marks)

24. a) Calculate $(9999 - 999 + 99 - 9) \div 9$.

1010 .....(2 marks)

b) What is the value of 20% of $(60)^2$?

720 .....(2 marks)

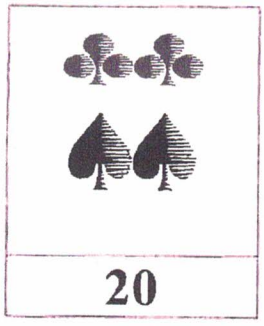
25. a) What is the smallest positive number that can be divided exactly by 2, 3, 4, 6 and 8 without a remainder?

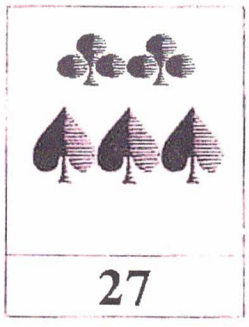
24 .....(2 marks)

b) What is the largest 4-digit number that can be formed by using four different digits that add up to 18?

9720 .....(2 marks)

26. a) On the cards below, each club ♣ has the same value and each spade ♠ has the same value (but a different value to each club). The number on each card is the total value of the symbols on that card. Find the value of one club ♣ .





♣ = ...3.....(3 marks)

27. Claire is two years older than her brother and five years younger than her sister. The total of their ages is 87 years.

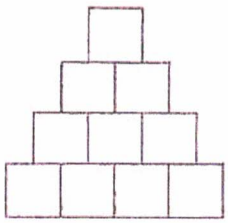
How old is Claire?

.....28.....years (3 marks)

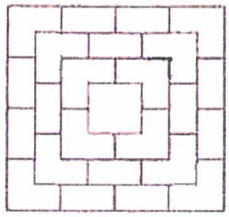
28. Here are the side view and top view of a *solid* pyramid.

The pyramid was made by using cubes as building blocks.

How many blocks did it take to make the pyramid?



SIDE VIEW



TOP VIEW

30 .....blocks (3 marks)

29. James cycles home from school every day in a particular week and tries to beat the school bus. Think about the following possible events:

X. James beats the bus on Monday.

Y. James beats the bus on Monday, but not on any other day.

Z. James beats the bus on Monday but not on Tuesday.

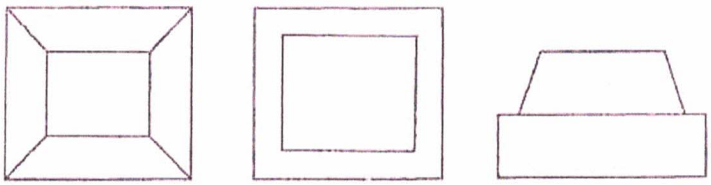
i) Which event (X, Y or Z) is the *most* likely to happen?

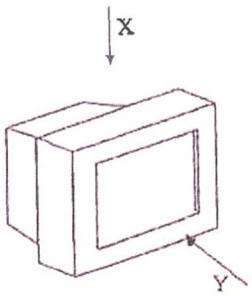
X .....(1 mark)

ii) Which event (X, Y or Z) is the *least* likely to happen?

Y .....(1 mark)

30.a)





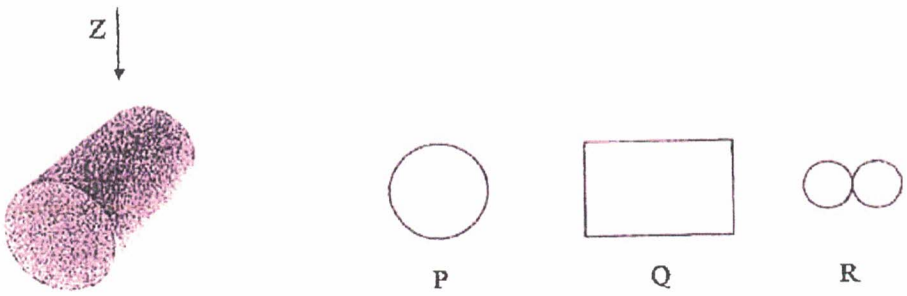
i) Which view (A, B or C) can I get by looking down at the 3-D object from above, in the direction of arrow X?

.....C..... (1 mark)

ii) Which view (A, B or C) can I get by looking at the object from the front, in the direction of arrow Y?

.....B..... (1 mark)

b) Which view (P, Q or R) can I get by looking down at the cylinder from above, in the direction of arrow Z?



.....Q.....(1 mark)