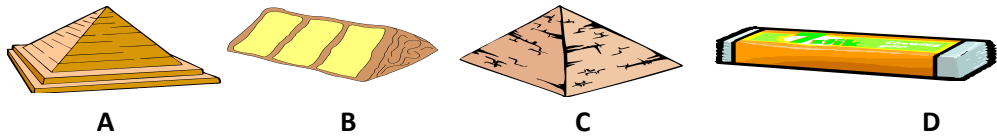




LEARNING OUTCOME 3

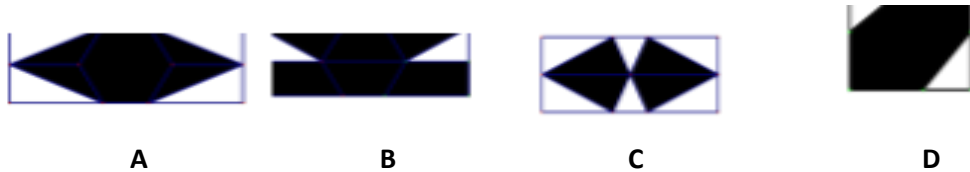
1. Circle the letter of the correct answer.

1.1 Which of the following objects has the shape of a prism? (1)



- A A and B
- B B and D
- C B and C
- D C and D

1.2 Which of the following coloured pictures have shapes that look like trapeziums? (1)



- A A
- B B
- C C
- D D

1.3 Which of these only has one line of symmetry? (1)



- A A and E
- B B and D
- C C and E
- D E and C

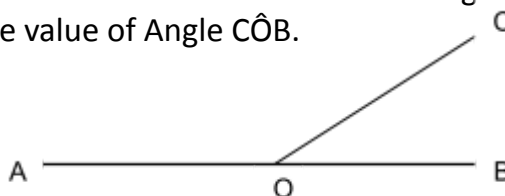
1.4 Which one of the letters shown below has both parallel and perpendicular lines? (1)

- A M
- B T
- C Z
- D E

1.5 How many lines of symmetry can be drawn in a hexagon? (1)

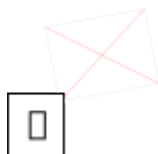
- A 6
B 4
C 3
D 2

1.6 a) The figure below is not drawn to scale. $\hat{A}OB$ is a straight line. If Angle $\hat{A}OC$ is 135° , find the value of Angle $\hat{C}OB$. (1)



- A 55°
B 45°
C 155°
D 35°

2 Mark true or False in the block:



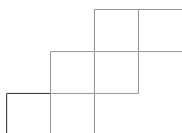
2.1 Two 10c coins are congruent. (1)

True	
False	

2.2 All rectangles are similar (1)

True	
False	

The figure below is a net of a cube.



2.3 (1)



True	
False	

3. Give one word for the following shapes.

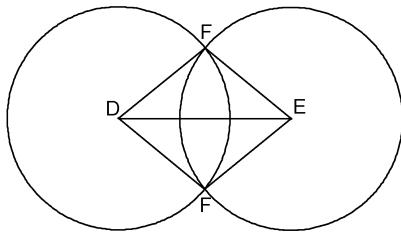
- 3.1 Opposite sides are parallel and equal in length. Opposite angles are equal in size but not 90° .
 _____ (1)
- 3.2 All 2-dimensional closed shapes with four straight sides.
 _____ (1)
- 3.3 All sides are equal in length. Opposite sides are parallel. Opposite angles are equal but not 90° .
 _____ (1)

4. Complete the following table regarding the following 3D object. (4)

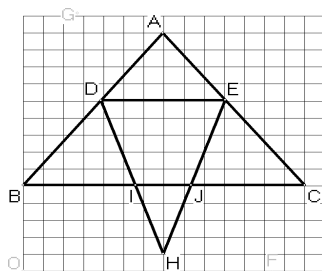
Name of object	Number of faces	Number of edges	Number of vertices

5. Answer the following.

- 5.1 The following construction below illustrates how to construct an _____ triangle DEF. (1)

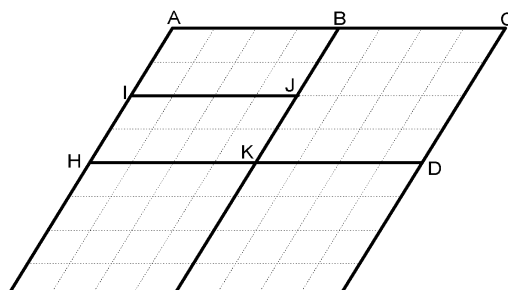


- 5.2 Name the shapes described by the figures indicated below.



- a) AEHD _____ (2)
- b) BDEC _____

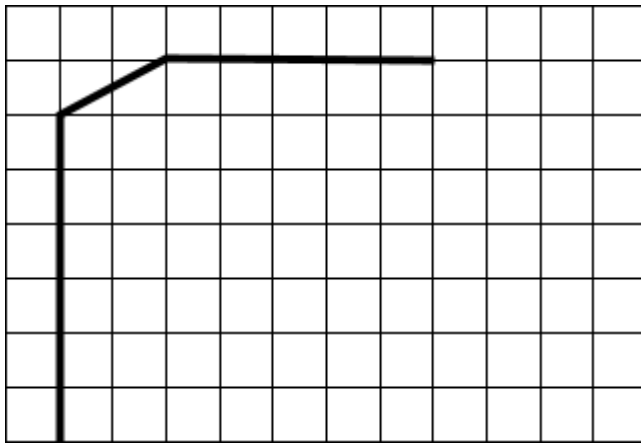
6 The next figure is drawn on a grid of parallel and evenly spaced lines.



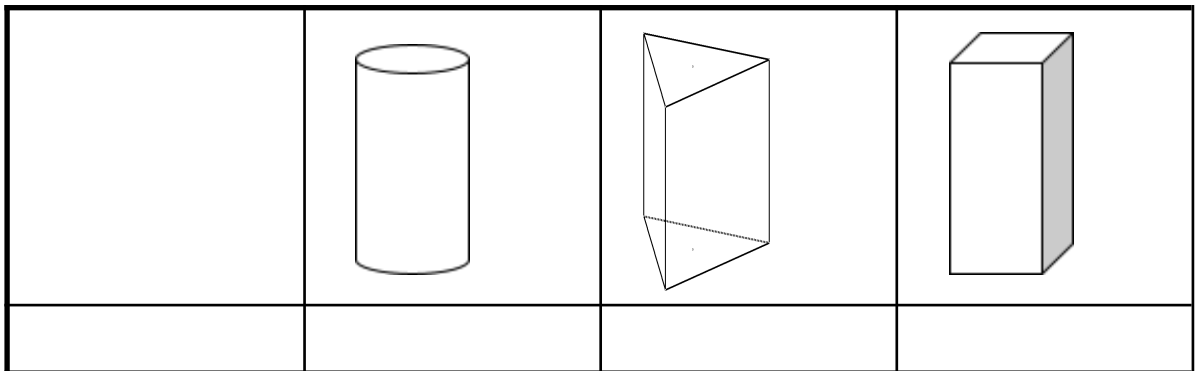
6.1 Write down one parallelogram that is similar to parallelogram ABJI. (1)

6.2 Write down one rhombus that is congruent to rhombus ACDH. (1)

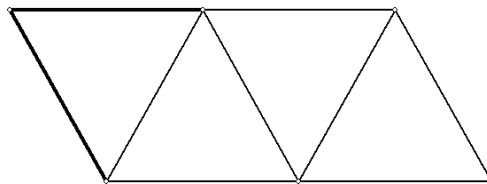
7 In the following drawing the four vertices of the rectangular prism have already been drawn. Complete the rest of the drawing of prism with vertices PTWV. (1)

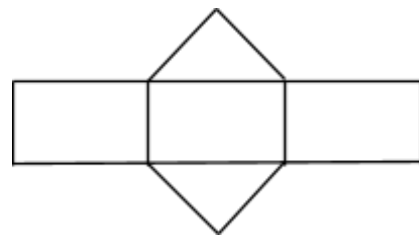


8 Identify the following from the 2D shapes and 3D objects given. (4)
26



9 Identify the object of the following nets. (2)

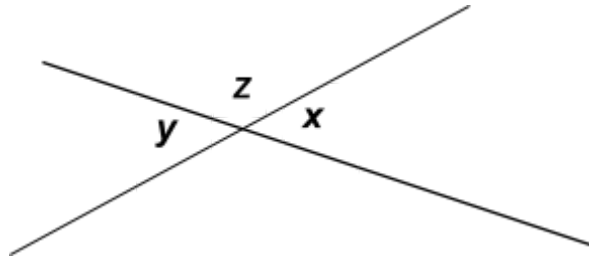




10 The figure below is not drawn to scale. The 2 lines are straight lines. If Angle x is 36° , find the value of Angle y and z . (2)

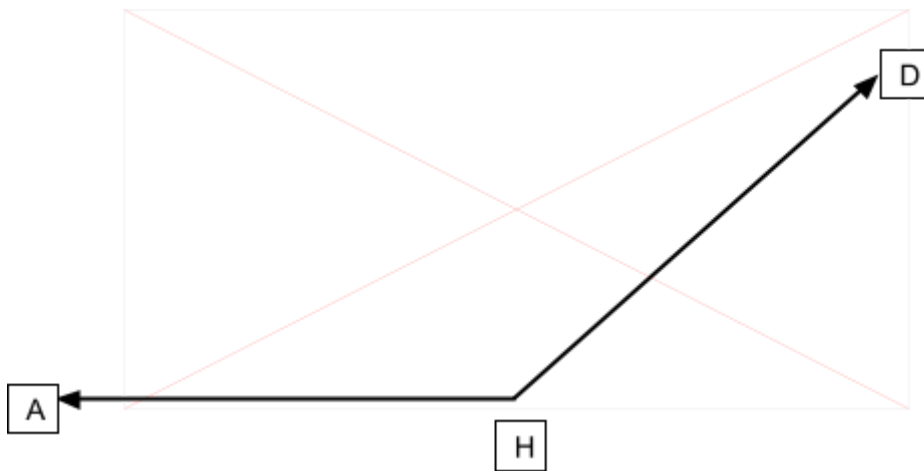
$Y =$ _____

$Z =$ _____



LEARNING OUTCOME 4

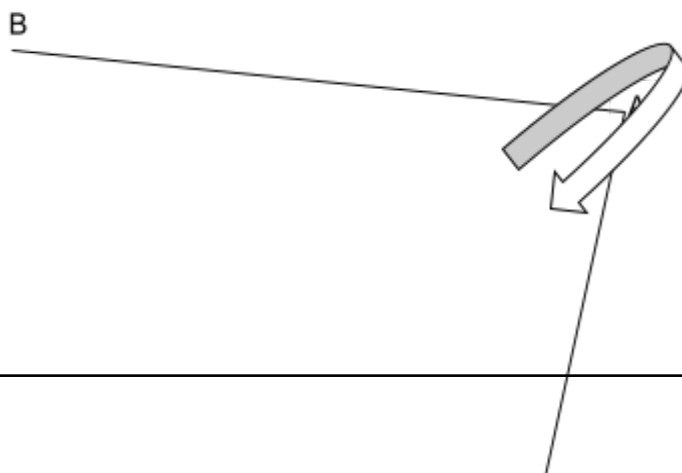
11 Measure angle \hat{AHD} accurately by using the protractor as indicated. (1)



$\hat{AHD} =$ _____

12 Use a protractor and measure \hat{BAC} accurate to one degree. (2)

$\hat{BAC} =$ _____



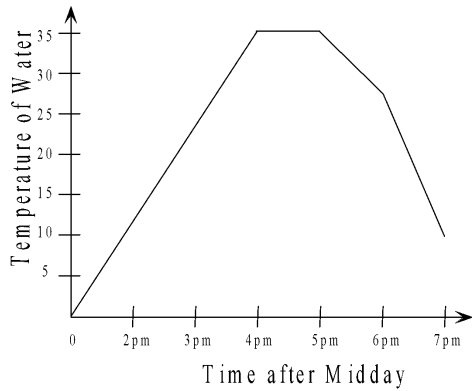
13 Use a protractor and a ruler to accurately construct an angle of 35° . (2)

LEARNING OUTCOME 4

-
- 14 Use the following set of numbers to answer the questions:
-7 ; 3 ; 4 ; -2 ; 9 ; 5 ; 7 ; 4 ; -5
- 14.1 What is the mean of the given set of numbers? _____ (1)
- 14.2 What is the mode of the given set of numbers? _____ (1)
- 14.3 What is the median of the given set of numbers? _____ (1)
- 14.4 What is the range of the given set of numbers? _____ (1)

-
- 15 The marks for a maths test out of 100 were as follows: (3)
97, 99, 81, 78, 73, 95, 97, 85, 83, 85, 88, 79, 81, 93, 86, 83, 71.
Draw a stem-and-leaf plot to organise the data.
-

- 16 The graph below represents the temperature of the water in a spa bath as measured from midday, when the bath was switched on, up to 7pm.



- 16.1 For what period was the temperature constant? _____ (1)
- 16.2 For what period was the temperature increasing? _____ (1)
- 16.3 At what time was the bath switched off? _____ (1)

TOTAL : 45 MARKS