1 Circle the hexagon.



2 How many faces has a cuboid? Ans _____

3 How many faces has a tetrahedron (triangular pyramid)?

Ans _____ faces

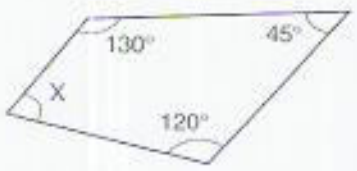
4 How many vertices has a triangular prism?

Ans _____ vertices

5 Circle the right-angled corner in this triangle.



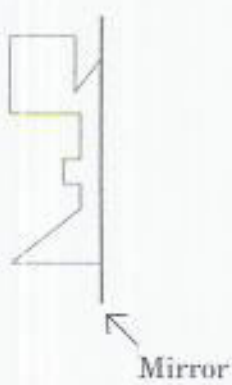
6 Calculate the angle at X.



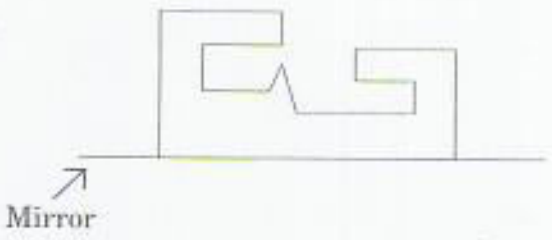
Ans _____ °

Complete these diagrams of shapes which are reflected in a mirror.

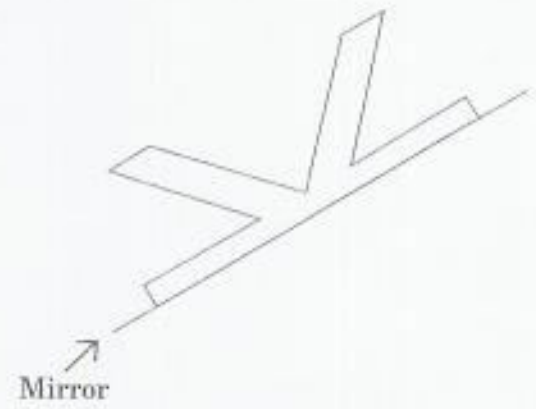
7

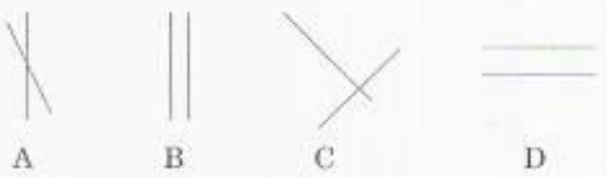


8



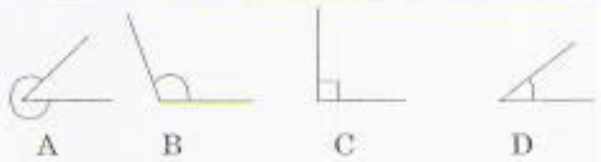
9





10 Which of the above lines are perpendicular? Ans _____

11 Which of the above lines are horizontal? Ans _____



12 Which angle is acute? Ans _____

13 Which angle is reflex? Ans _____

Complete this table.

Name of solid	Number of Faces	Number of edges
Cube	6	
Triangular prism		9
Square based pyramid		

14 15 16 17

18 What direction is directly opposite NE?

Ans _____

19 How many degrees between E and NW going clockwise?

Ans _____ °

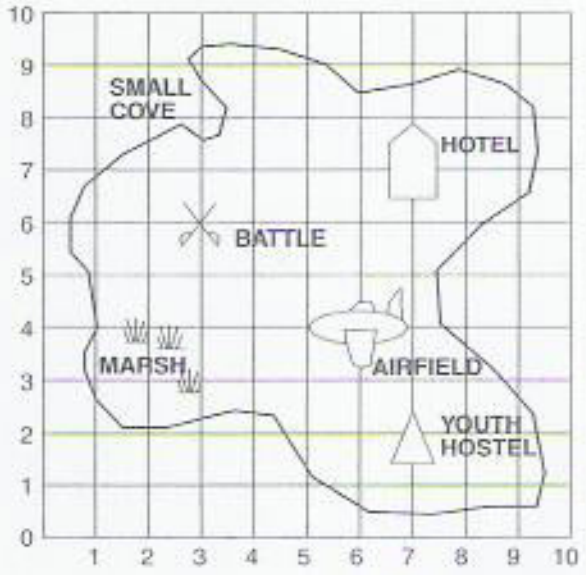
20 If I turn 135° anticlockwise from NE in which direction do I face?

Ans _____

21 I'm facing NW. If I turn 270° clockwise in which direction am I now facing?

Ans _____

Learning Together Island



Look at the map of Learning Together Island.

22 What can I find at (3,8)?

Ans _____

23 What can I find at (6,4)?

Ans _____

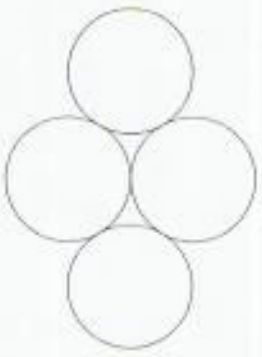
24 What are the co-ordinates of the youth hostel?

Ans (,)

25 What are the co-ordinates of the hotel?

Ans (,)

26 How many lines of symmetry has this shape?

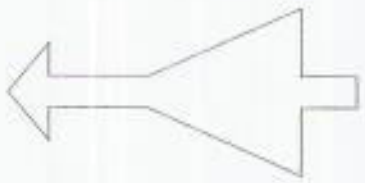


Ans _____

27 Draw a line of symmetry on this shape.



28 Draw a line of symmetry on this shape.



29 How many degrees are at X?



Ans ____ °

30 How many degrees are at X?



Ans ____ °

31 How many degrees are at X?

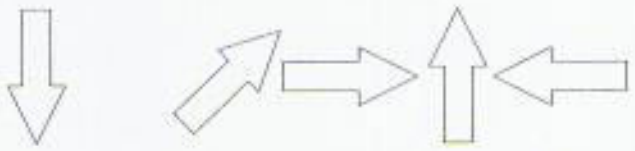
Ans ____ °

32 Look at the shape on the left. Which shape on the right has been rotated by 180°? Circle one letter.



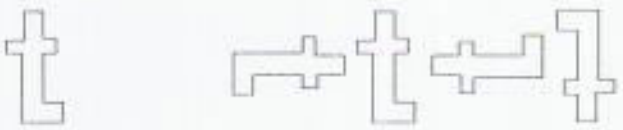
A B C D

33 Look at the shape on the left. Which shape on the right has been rotated 90° anticlockwise? Circle one letter.



A B C D

34 Look at the shape on the left. Which shape on the right has been rotated 90° anticlockwise? Circle one letter.



A B C D

35 How many lines of symmetry has an equilateral triangle?

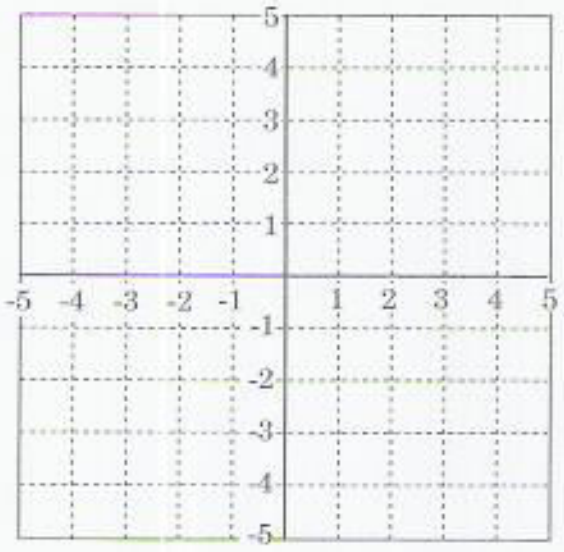
Ans ____

36 Draw a line of symmetry on the oval shape.



37 Draw a line of symmetry on this rhombus.





Mark these points on the above grid and label them.

38 A (3, -2)

39 B (-1, -2)

40 C (-1, 2)

41 D (3, 2)

42 Circle the answer that completes this statement correctly.
Shapes that tessellate...

a) are big.

b) join together without leaving spaces.

c) are round.

d) are always regular shapes.

43 How many lines of symmetry has a regular pentagon?

Ans _____

44 Draw all the lines of symmetry on this regular pentagon.

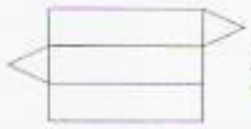


45 This 2-D drawing represents a 3-D shape. What is the 3-D shape called?



Ans _____

46 What shape will be formed by folding this net?



Ans _____

_____

47 Look at this plan.
Mark the most likely place for the front door using an X.

CLOAK ROOM	KITCHEN
HALLWAY	
LIVING ROOM	DINING ROOM

48 Which of the following shapes is not drawn below? Circle one letter.

A RHOMBUS
B PARALLELOGRAM
C KITE
D TRAPEZIUM



49 A square has an area of 49cm². Each side of the square is 7cm long. If each side is doubled in length by how many times would the area increase?

Ans _____ times

50 A square has sides each measuring 2cm. The length of each side is reduced to 1cm. What fraction of the old area is the new area?

Ans _____