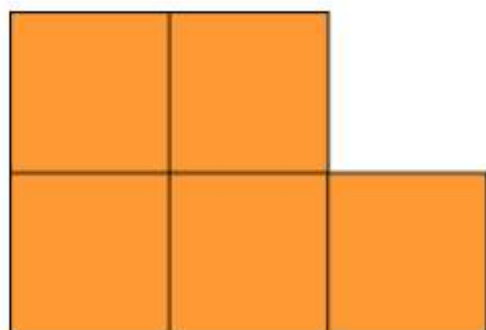
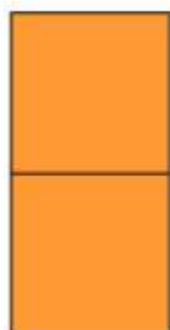


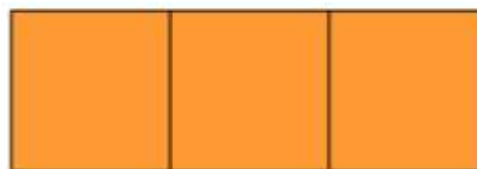
Lucas made a model. The front, side and top views of his model are shown.



Front

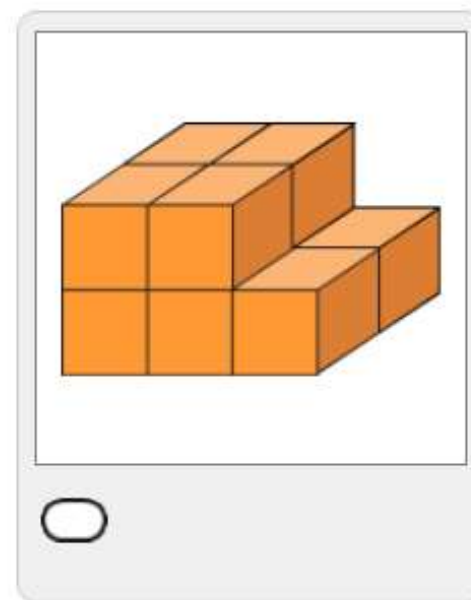
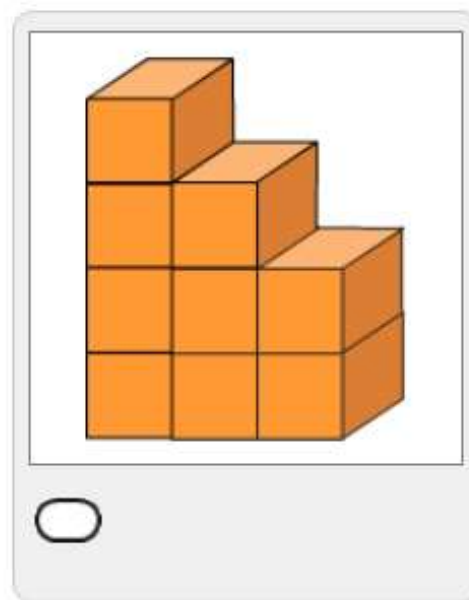
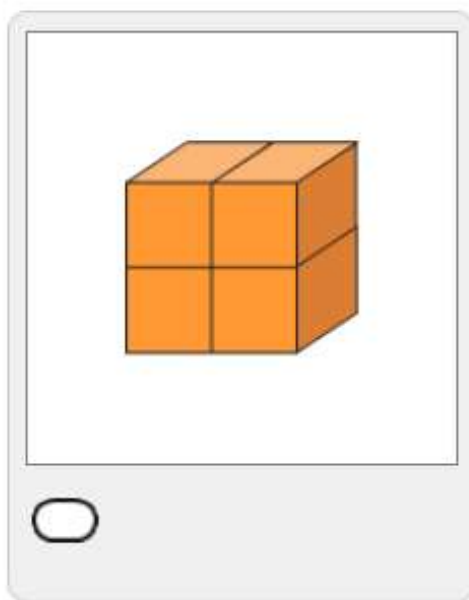
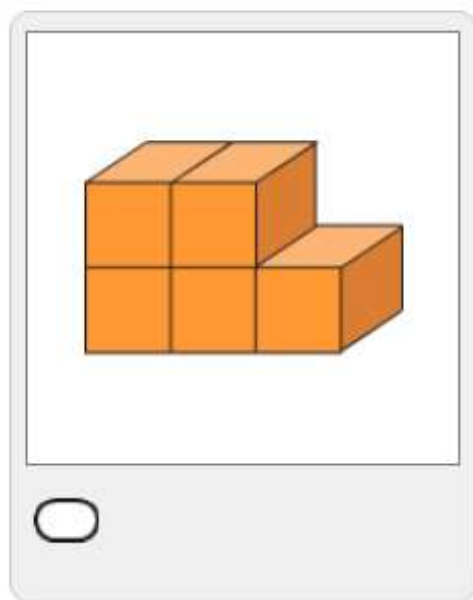


Side



Top

Which one of these objects is Lucas's model?



The table shows the times in different cities when it is 10 am in Canberra.

City	Time
Brisbane	10:00 am
Sydney	10:00 am
Melbourne	10:00 am
Hobart	10:00 am
Adelaide	9:30 am
Darwin	9:30 am
Perth	8:00 am

When it is 5:35 pm in Perth, what is the time in Melbourne?

- ☐ 3:35 pm
- ☐ 7:35 pm
- ☐ 8:05 pm
- ☐ 8:35 pm

A small bottle holds 400 mL and a large bottle holds 2 L.

Nat fills the small bottle with water and pours it into the empty large bottle.



How many small bottles of water are needed to fill the large bottle?

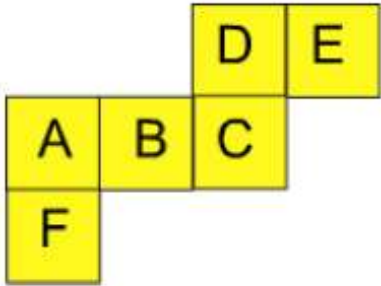
☐ 2

☐ 3

☐ 4

☐ 5

Nino used this net to make a cube.



When the cube is made, which of these statements will be correct?

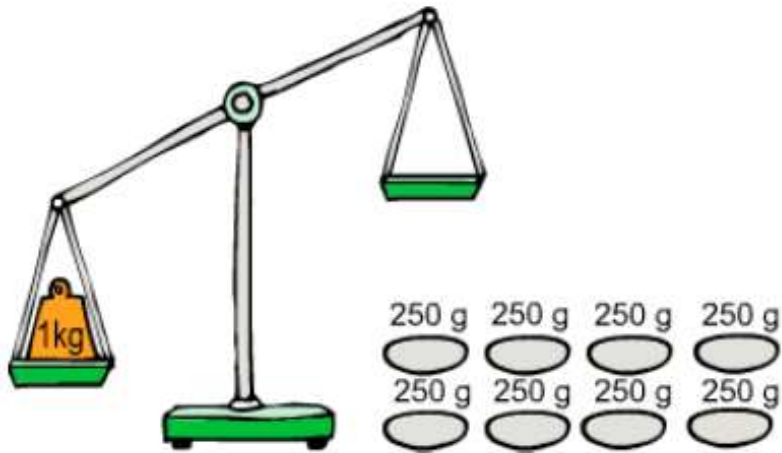
☐ D is on the face opposite to F.

☐ A is on the face opposite to D.

☐ E is on the face opposite to F.

☐ A is on the face opposite to E.

Lee wanted to balance a set of scales. He put a 1-kg mass on one end of his scales.



How many of the 250-g discs does Lee need to balance the scales?

☐ 2

☐ 3

☐ 4

☐ 5

Four friends measured the heights of their favourite dolls.



Kristine's doll is 58 cm high.

Sandi's doll is 44 cm high.

Bree's doll is 39 cm high.

Jodie's doll is 47 cm high.

Whose doll is closest to half a metre high?

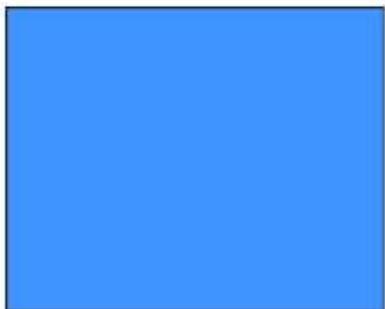
☐ Kristine's doll

☐ Sandi's doll

☐ Bree's doll

☐ Jodie's doll

A rectangle has a perimeter of 18 units and an area of 20 square units.



Which of the following could be the dimensions of the rectangle?

☐ length of 8 units and width of 1 unit

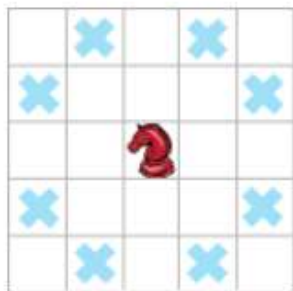
☐ length of 6 units and width of 3 units

☐ length of 5 units and width of 3 units

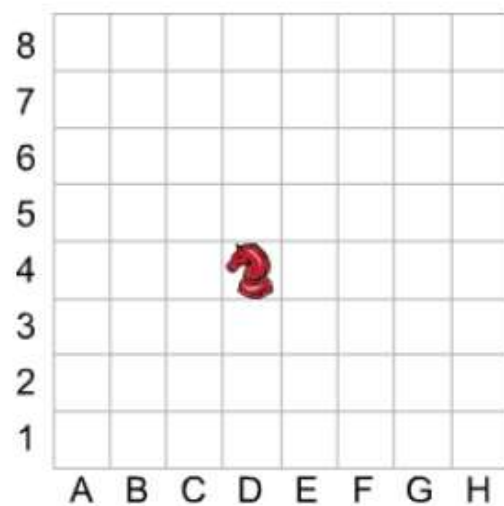
☐ length of 5 units and width of 4 units

(Advanced)

In a game this piece (♞) must move one square in one direction and two squares in another. That means in one move it can go to any of the squares marked by a blue cross in this diagram.



In **two** moves, which of the following squares can this piece **not** move to?



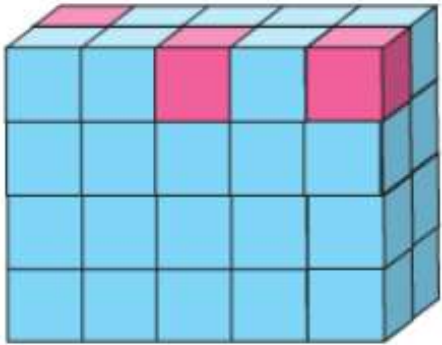
☐ A5

☐ C1

☐ F8

☐ G6

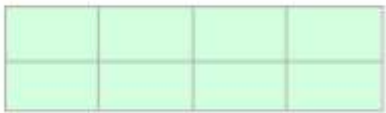
Anna made this object from 40 cubes.



She then took away the three red cubes.

How many faces does the object now have?

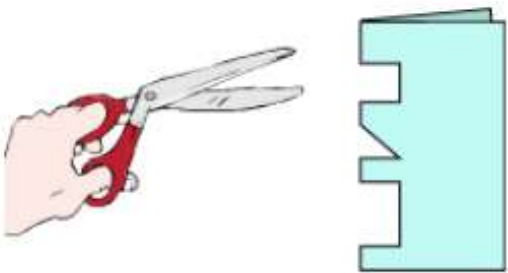
Submit



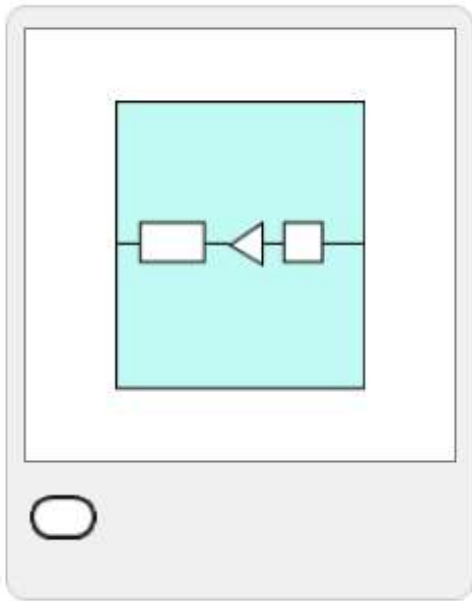
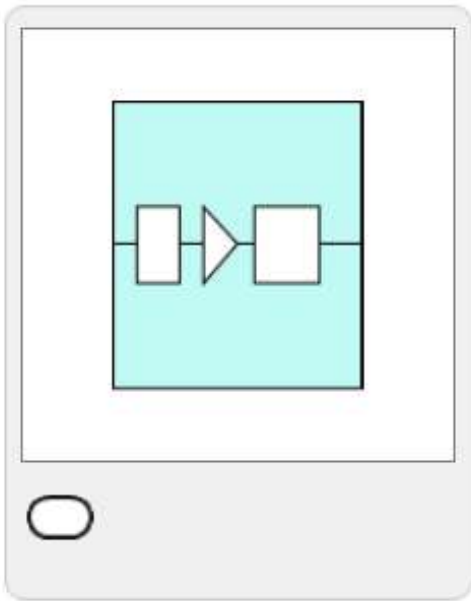
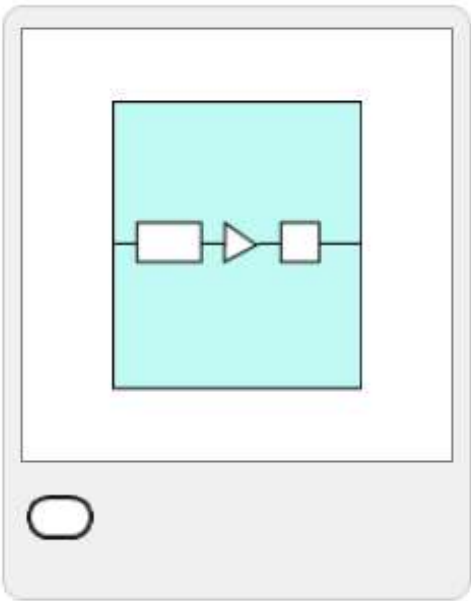
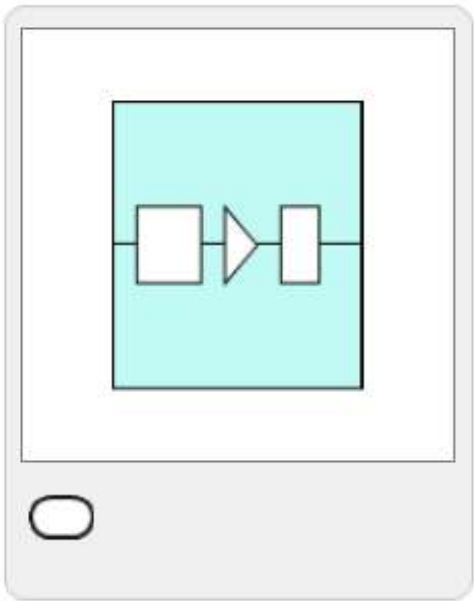
How many rectangles of any size are in this diagram?

Submit

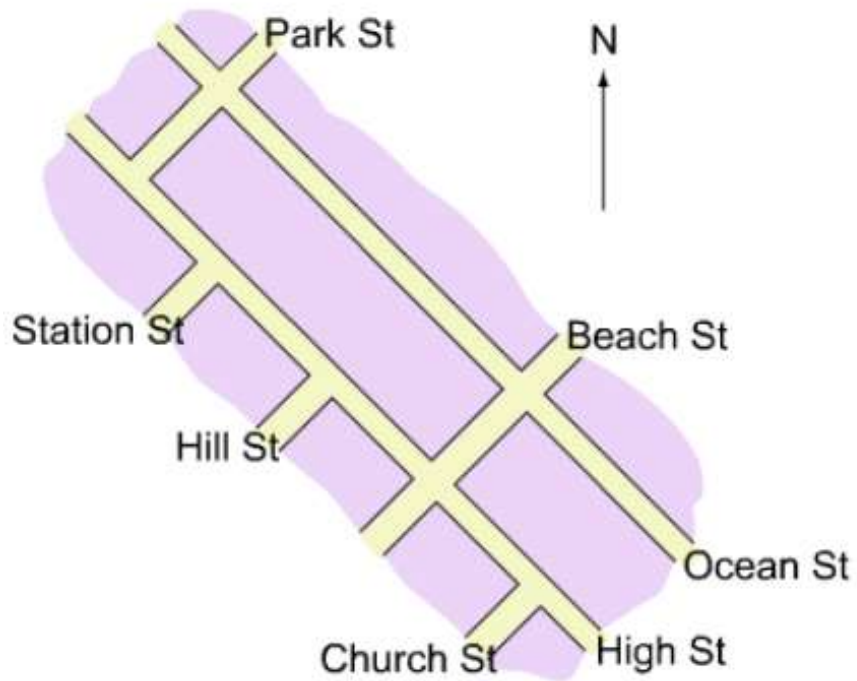
Yazmin folded a piece of paper and cut out some shapes.



Which is Yazmin's unfolded paper?



Sam turns right from Hill Street into High Street. He then takes the next street on his left.



In which direction is Sam now travelling?

☐ North-East

☐ North-West

☐ South-East

☐ South-West