(I) Match the shapes to the faces.

2) Complete the table.

| Shape | Name | Number <br> of faces |
| :---: | :---: | :---: |
|  | cuboid | 6 |
| pyramid | 5 |  |
|  | Cube <br> prism | 5 |

(3)


What shape is Jack describing? cylinder
4) Match the description to the shape.

(5)


Alex has made a mistake.
Name another 3D shape that has 6 faces.
6) Dexter has 5 of the same 3D shapes.


What shapes has Dexter got?
Dexter has got 5 cylinders
7. Dora wants to put a sticker on each face of some cubes.

She has 60 stickers.
How many cubes can she cover in stickers?


## Count edges on 3D shapes

I How many edges does each shape have?
a)

b)

c)

d)


2 Complete the table.

| Shape | Name | Number <br> of edges | Number <br> of faces |
| :---: | :---: | :---: | :---: |
| cuboid | 12 | 6 |  |
|  | pyramid | 8 | 4 |
|  | cube <br> tniargular <br> prism | 9 | 5 |

(3)


3D shapes always have more edges than faces.

Do you agree? NO
Why?
(4) Use the clues to label the shape with the correct letter.


D $\qquad$
$\qquad$ B $\qquad$
$\qquad$

- Shape A has an odd number of edges.
- Shape B has the most edges.
- Shape C has the same number of edges as a cube has faces.
- The edges of shape D are all the same length.

5) Write the name of two 3D shapes that have the same number of edges.
e.g
$\qquad$ cube and $\qquad$
(6)


Do you agree with Teddy? $\qquad$
Why?
(7) This hexagonal prism has 18 edges.


How many edges do you think a pentagonal prism has?

Why do you think this?

## Count vertices on 3D shapes

I How many vertices does each shape have?
a)

b)

c)

d)


2 Complete the table.

| Shape | Name | Number <br> of vertices |
| :---: | :---: | :---: |
| cuboid | 8 |  |
|  | pyramid | 5 |

Write the name of a different 3D shape with no vertices.
3) Write the shapes in order of the number of vertices.

Start with the shape that has the fewest vertices.

A

B

C

fewest

(4) Complete the sentences.
more
fewer
a) A cube has mone vertices than a sphere.
b) A sphere has $\qquad$ vertices than a cone.
c) A triangular prism has $\qquad$ fewer vertices than a cuboid.
(5) Match each shape to the correct label.


