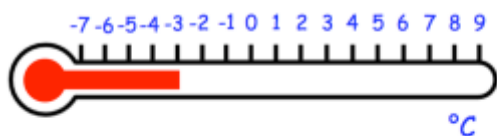


# Super 6 Challenge

January week 1

TransferReady.co.uk

Helping you get ready for the Transfer Test



What is the temperature at 10am?

The thermometer shows the temperature at 4am in a town.

$$-3 + 8 = \underline{5^{\circ}\text{C}}$$

The temperature increase by  $8^{\circ}\text{C}$  by 10am

Kali is doing sit-ups

She does 7 sit-ups every ten seconds.

How many sit-ups does she do in two minutes?

[There are 6 periods of 10 seconds per minute]

$$7 \times 6 \times 2 = \underline{84 \text{ sit-ups}}$$

A theatre has 46 rows.

There are 28 seats in each row.

$$46 \times 28 = \underline{1288}$$

During a show at the theatre, there are 80 empty seats

$$1288 - 80 = \underline{1208}$$

Work out how many people are watching the show

$$\underline{1208 \text{ people}}$$

Which shape has the most vertices?

[hint: a vertex is a corner]

Square-based pyramid



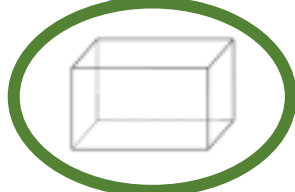
5 vertices

Triangular prism



6 vertices

Cuboid



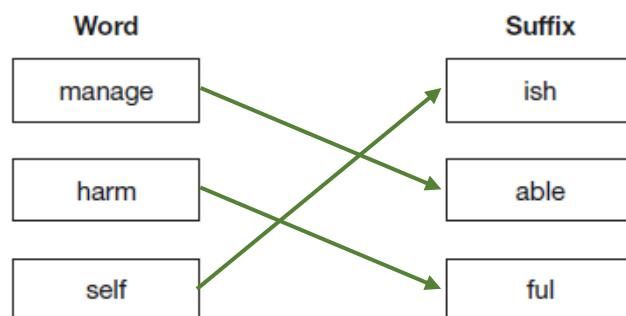
8 vertices

Triangular-based pyramid



4 vertices

Draw a line to match each word to the correct suffix to make an adjective.



Find the perimeter of this shape

After you find the missing sides...

$$p = 11 + 10 + 3 + 4 + 8 + 6$$

$$= \underline{42 \text{ cm}}$$

