

PAPER Ball

This is a **brilliant ball** made of card and lots of **five-sided shapes** called **pentagons**, so Matilda's mathematical mind would be suitably impressed! It's also a rather wonderful word. Get ready to make . . . a **dodecahedron ball**!

DIFFICULTY RATING:



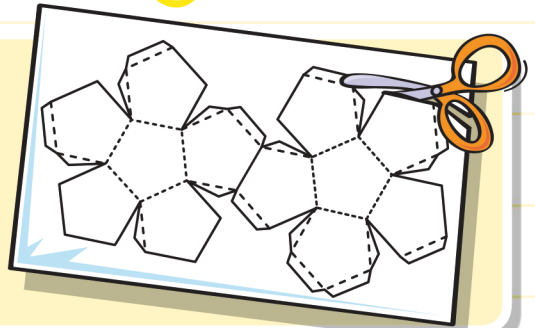
YOU WILL NEED:

- A4 PIECE OF CARD
- A PENCIL
- SCISSORS
- GLUE

What to do:

1

Trace the shape opposite on to the piece of card, then cut it out.



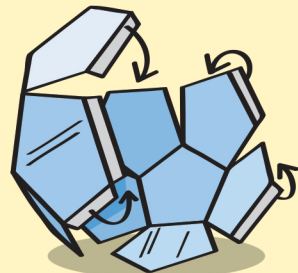
2

Fold the **dotted lines** in the centre up and then **open them out**.



3

Fold the **dashed lines** of the grey tabs over.



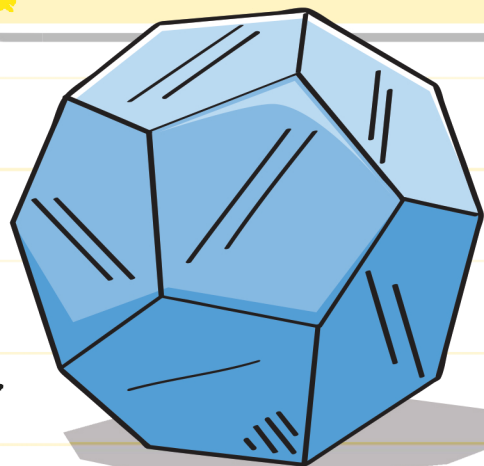
4

Place one of the **centre pentagon shapes** down on a table, then fold the dotted lines up and '**cup**' the ball together, as shown.



5

Glue the tabs to secure the shape.



Matilda's
PHENOMENAL
FACT

A dodecahedron
has **12 faces**, **20 corners**
and **30 edges**!

