

Paper folding and cutting

You need some scrap paper (newspaper would do).

Fold a piece of paper in four like this.

Make a cut across the corner.

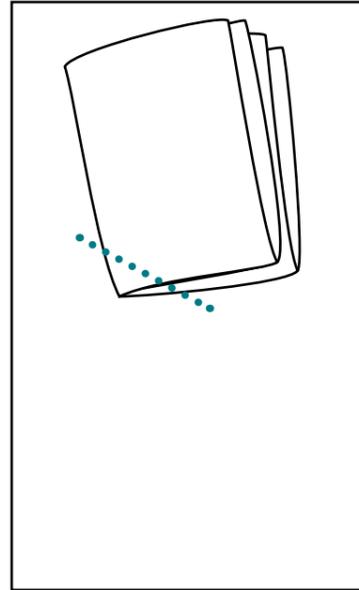
Before you open out the paper, draw what shape you think the hole will be.

Do some more paper folding and cutting.

Can you make a hole shaped like a circle?

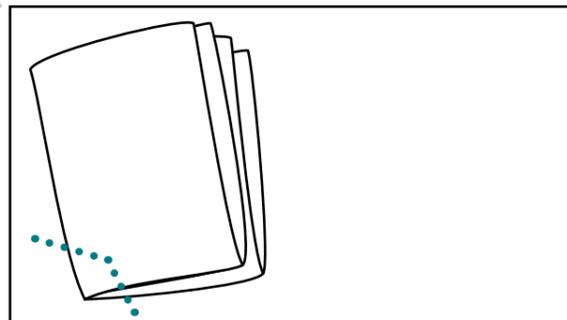
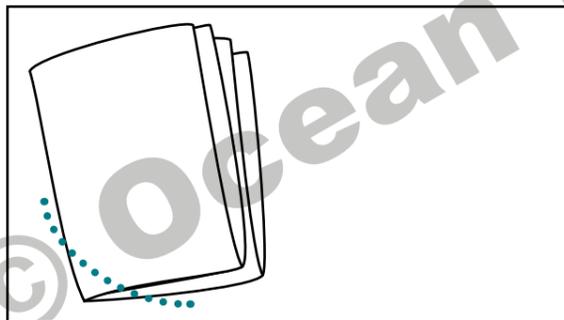
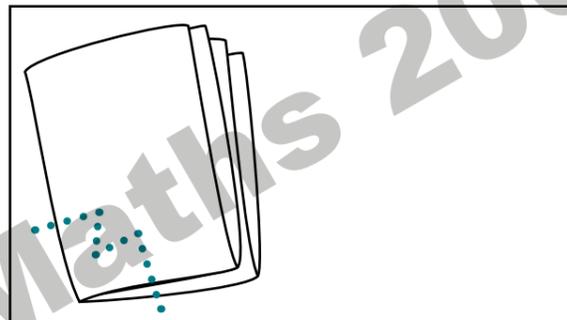
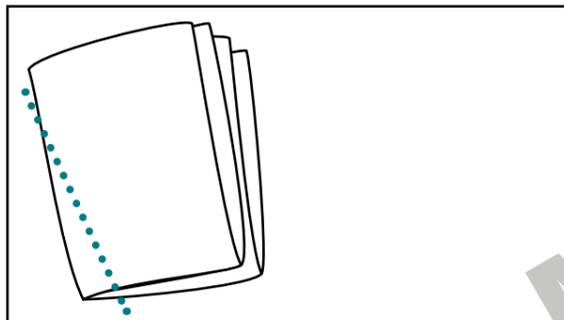
Can you make a hole shaped like a square?

Can you make a hole shaped like a star?



More folding and cutting

Draw beside each paper the shape you think the hole will be.



Remember to take your homework to school to show your teacher.

Your teacher will give you this homework sheet back, so you can keep it at home to play again and again!

Shape and space

Name

The games and activities on this homework sheet will help your child to practise:

- visualising shapes
- reasoning about shapes
- recognising angles

When parents show interest in their children's work, those children often feel more confident in class. So you can help your child's progress by doing these activities together, and talking with them about the maths.

Visualising 1

Imagine a plate hung from a thread.

Imagine it spinning round really fast.

Will the shape you see be like

- a bell?
- a ball?
- a pear?

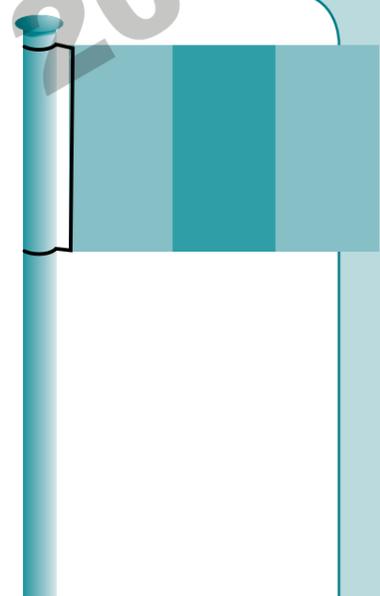


Visualising 2

Imagine a rectangular flag attached to a pole.

Imagine the pole and flag spinning round really fast.

What will the shape you see be like?

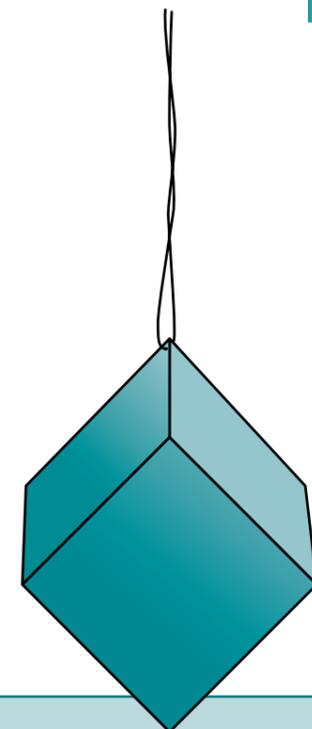


Visualising 3

Imagine a cube hung from a thread.

Imagine it spinning round really fast.

What will the shape you see be like?

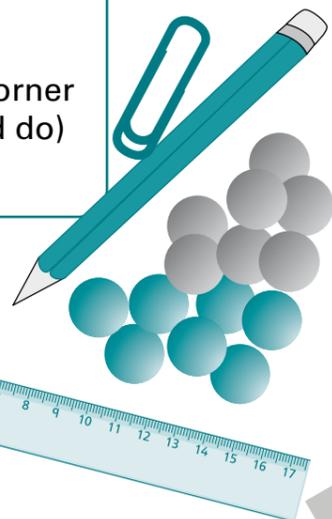


Dots

a game for 2 players

You need

- pen or pencil
- ruler
- paper clip
- right-angle measure (a corner of card would do)
- counters



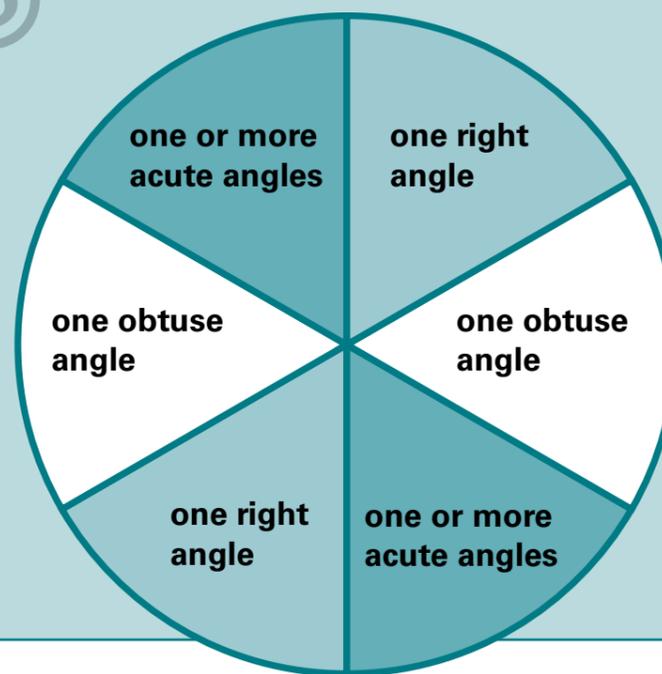
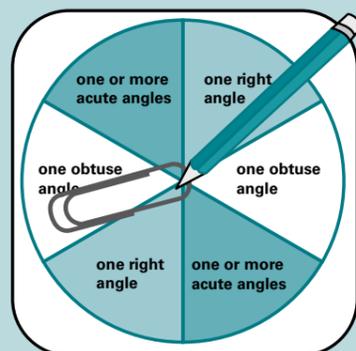
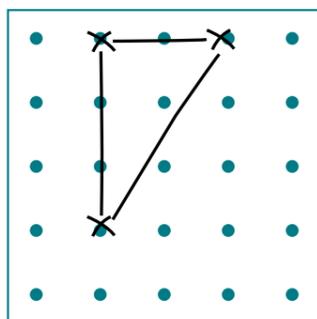
Take turns to

- spin the spinner
- put crosses on three dots
- join up the crosses using a ruler to make a triangle
- if your triangle fits the description on the spinner, take a counter

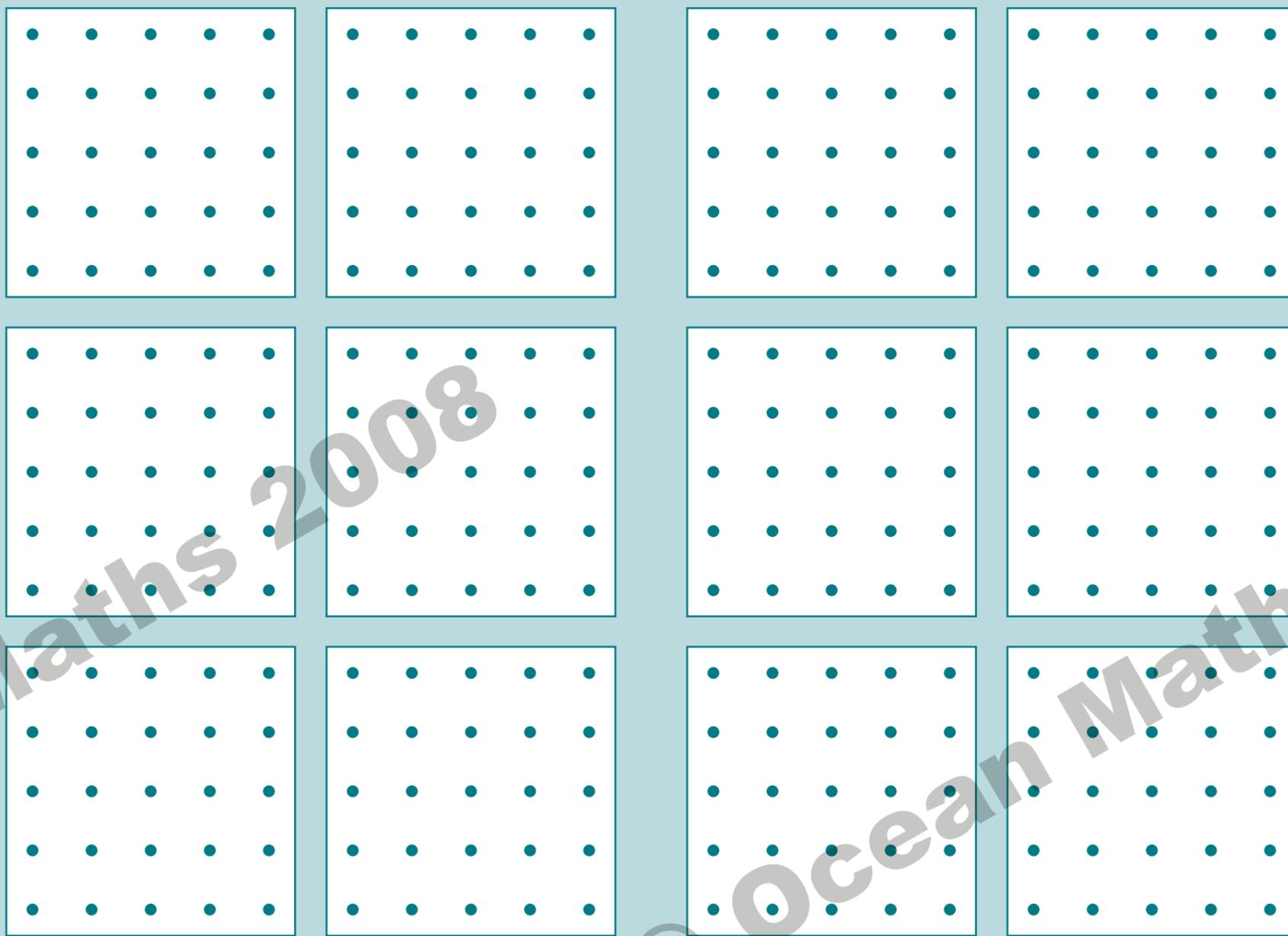
When both players have had 6 turns, the player with most counters wins the game.

Sample game

When Jay spun the spinner it showed 'one right angle'. He joined these dots and made a triangle with one right angle. So he won a counter.



Remember to read the instructions before you play the game



I played the game

with _____

Signed _____