



Maths Week England

Outdoor Maths Challenges

for Years 5 and 6



Maths Week England

Maths activities you can do outside.

1.

Can use natural materials to make a bridge that is strong enough and wide enough for a ball to roll across?

2.

Use natural materials to make a shape which has a perimeter between 8m and 12m and an area between 5 and 10 metres squared. Think about how you will measure or estimate the length of each side of your shape.

3.

Ask an adult to help you to carry out a traffic survey.
How many different types of transport can you spot in 10 minutes?
Think about how you could record and present your results.

4.

How far can you run in 30 seconds? How will you measure the distance?
Use your answer to estimate:
a) how long it would take you to run 50m; b) how far you think you can run in 90 seconds.

5.

Use your 'maths eyes' when you are outside.
What maths can you see?
What mathematical questions could you ask? Can you think of some questions that you think no-one else would think of?

6.

When you next take a walk around your local area or the next time you go to the shops try to find an example of these things:
a) a fraction; b) a decimal number; c) a square number; and d) a negative number.