

An isosceles triangle has a perimeter of 20cm. One of its sides is 6cm long.

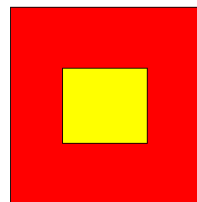
What could the two other lengths be? Explain your answer.

Triangles



Look at the squares below:

Area

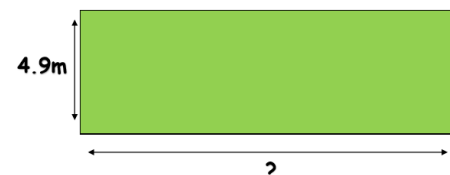


The area of the inner square is 36cm squared. The outer square's area is four times the size of the inner square. What is the length of one side of the outer square? How do you know?

Perimeter

The perimeter of the rectangle is 42 metres.

Find the length of the rectangle.

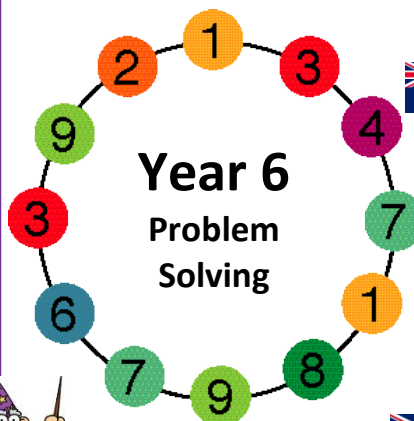


Find the missing values of the columns and rows below.

				54
				46
				48

Algebra

Year 6
Problem
Solving



Challenge linked to Home Learning

- The highest recorded temperature in Oceania occurred in Oodnadatta, South Australia (2 January 1960), where the temperature reached 50.7°C . The lowest temperature ever recorded in Oceania was -21.6°C (recorded in 1995) in Ophir. What is the difference between these two temperatures?
- The largest population in Oceania is Australia with 25,631,820 people. The total population of Oceania is 41,909,794. How many more people live in the other countries of Oceania besides Australia?



Multiples

Claire's age is a multiple of 7 and 3 less than a multiple of 8. How old is Claire?

3) Nancy is double her sister's age. They are both older than 20 and younger than 50. They are both multiples of 7. How old are they?

Negative numbers

Spot the mistake:

-85, -25, 25, 85

What is wrong with this sequence of numbers?

Websites/Games/Useful Links

<https://primarygames.co.uk/pg2/powerlines/powerlines1.html>

<https://nrich.maths.org/10334>

