

Length of long side	Length of short side	Total of sides given	Double the total to find the perimeter
5cm	3cm	8cm	16cm
6cm	2cm	8cm	16cm
8cm	4cm	12cm	24cm
12cm	8cm	20cm	40cm
15cm	10cm	25cm	50cm
20cm	5cm	25cm	50cm
28cm	22cm	50cm	100cm
64cm	36cm	100cm	200cm
57cm	20cm	77cm	154cm
49cm	16cm	65cm	130cm

Bronze, long sides 5cm and 6cm have the same perimeter of 16cm.

Silver, long sides 15cm and 20cm have the same perimeter of 50cm.

Challenge

What are the possible lengths of sides for a rectangle with a perimeter of 30cm?

1cm and 14cm

2cm and 13cm

3cm and 12cm

4cm and 11cm

5cm and 10cm

6cm and 9cm

7cm and 8cm