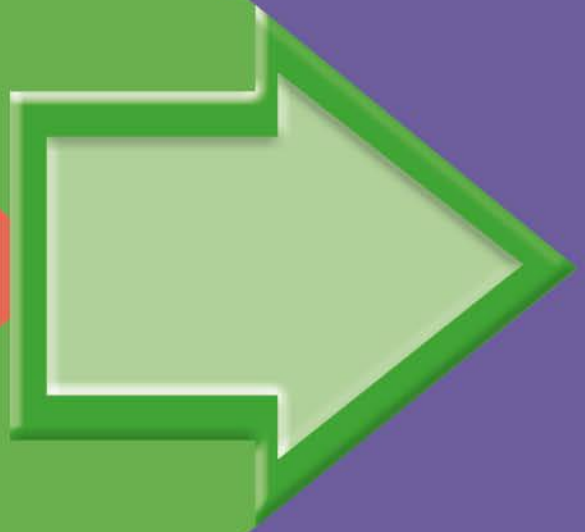
WHAT IS PERIMETER?



White Rose Maths

GET READY

White Rose Maths

1) Calculate

$10 + 20 + 15 + 20 =$

2) What is double 100 + double 50?

3) How would you work out $7 + 5 + 7 + 5$?

1) Calculate

$10 + 20 + 15 + 20 =$ 65

2) What is double 100 + double 50? 300

3) How would you calculate $\underbrace{7 + 5}_{12} + \underbrace{7 + 5}_{12}$?

double 7 = 14

double 5 = 10

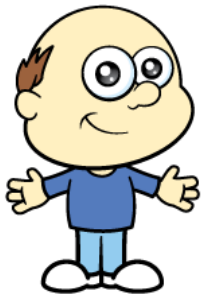
14 + 10 = 24

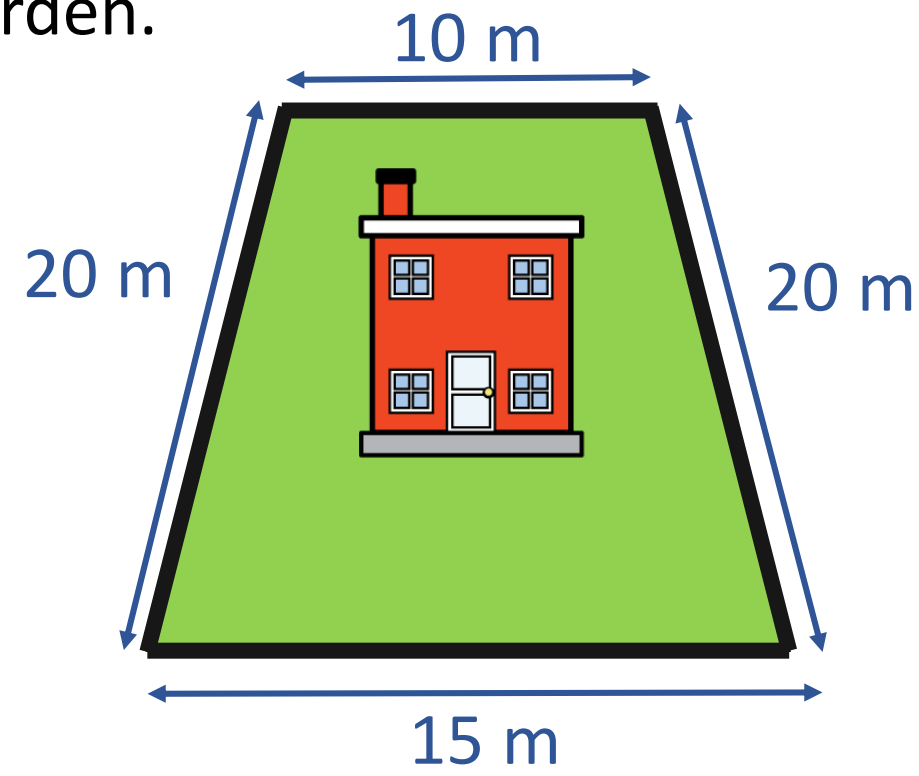
double 12 = 24

LET'S LEARN

White Rose Maths

Mr Rose wants to put up a new fence around the perimeter of his garden.



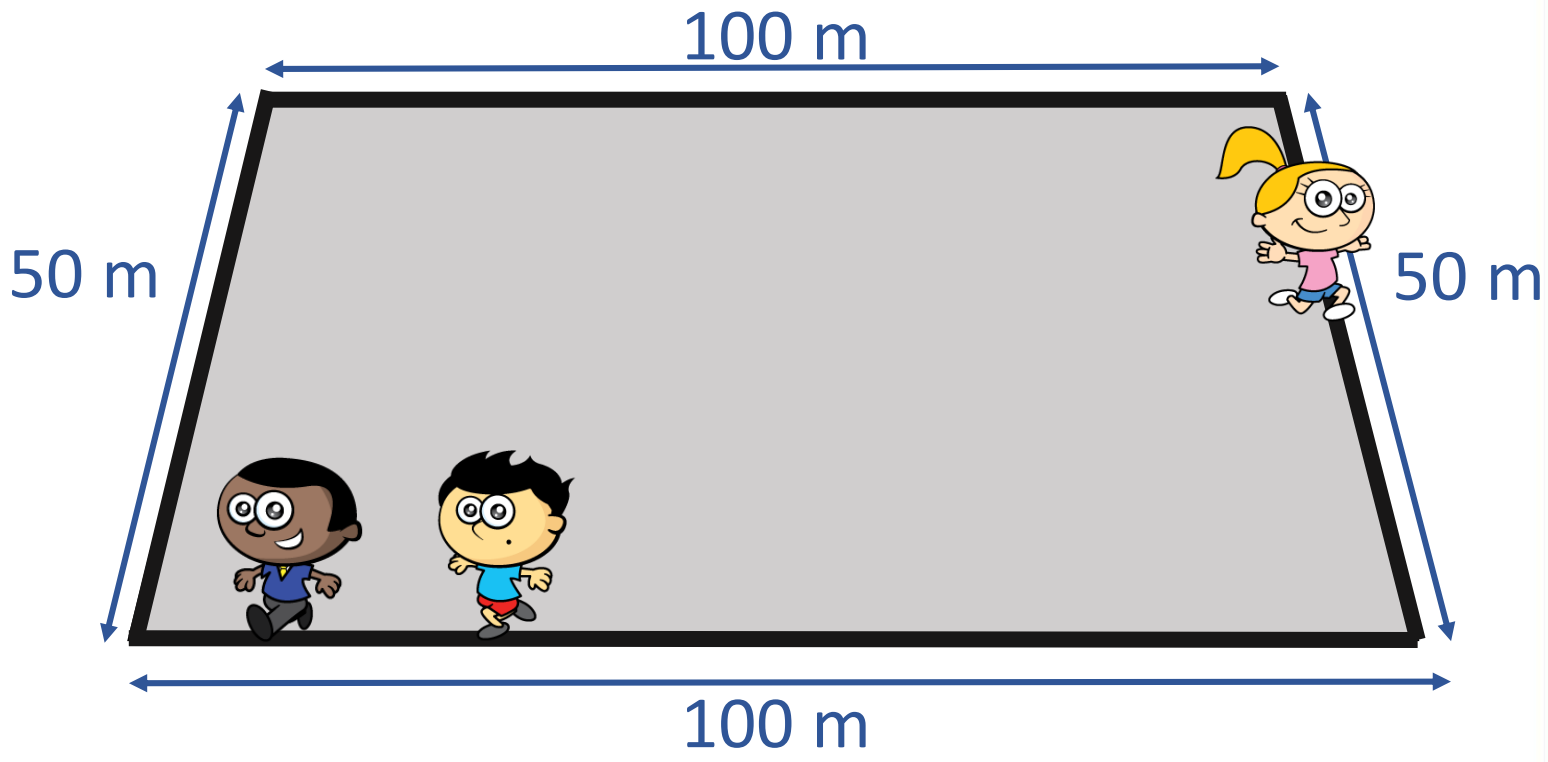


$10\text{ m} + 20\text{ m} + 15\text{ m} + 20\text{ m} = 65\text{ m}$

Mr Rose will need to buy 65 metres of fencing.

How many metres of fencing does he need to buy?

The children are running around the perimeter of the playground.

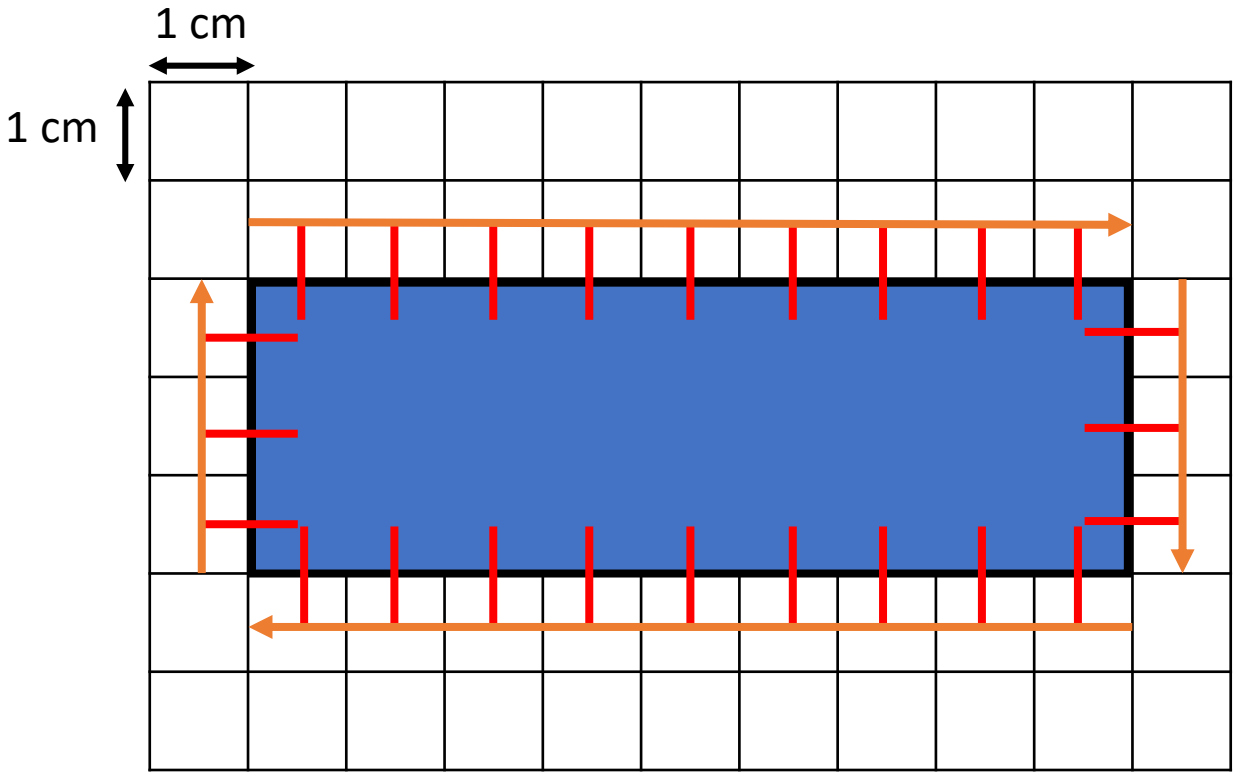


$100\text{ m} + 50\text{ m} + 100\text{ m} + 50\text{ m} = 300\text{ m}$

How far do they run on each lap?

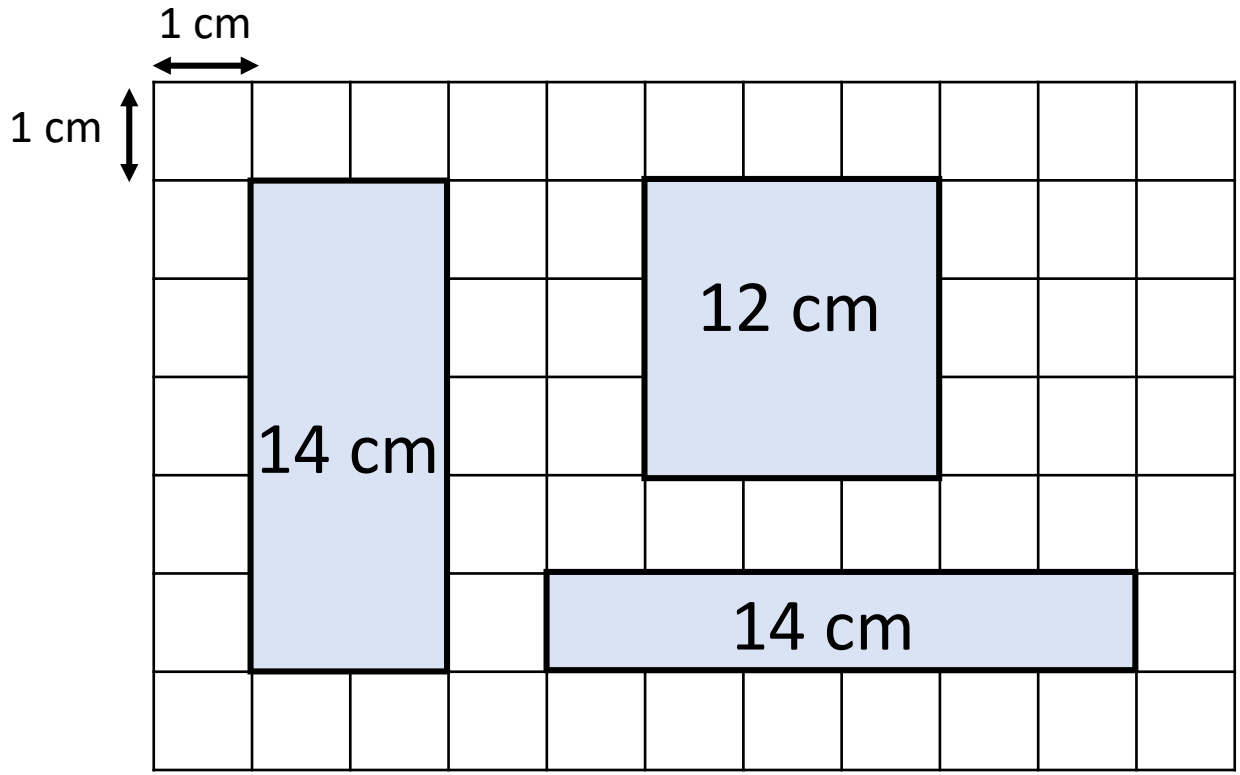
Each lap is 300 metres.

What is the perimeter of the rectangle?



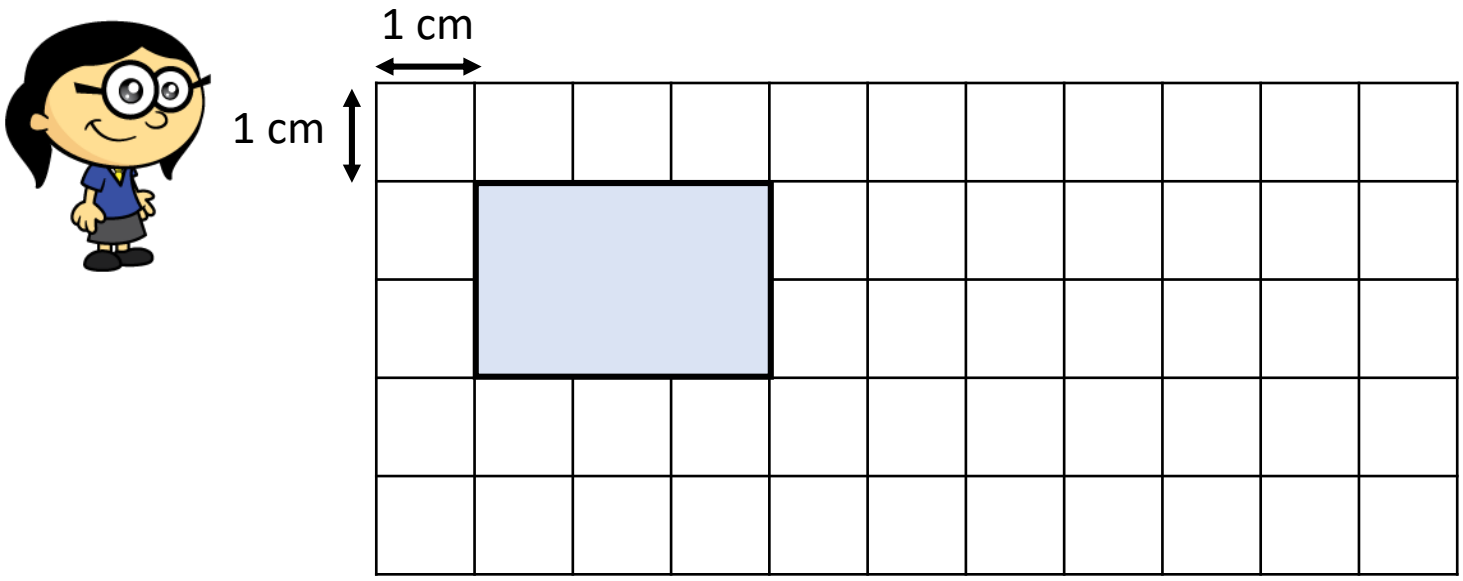
24 cm

What is the perimeter of these shapes?



Have a think

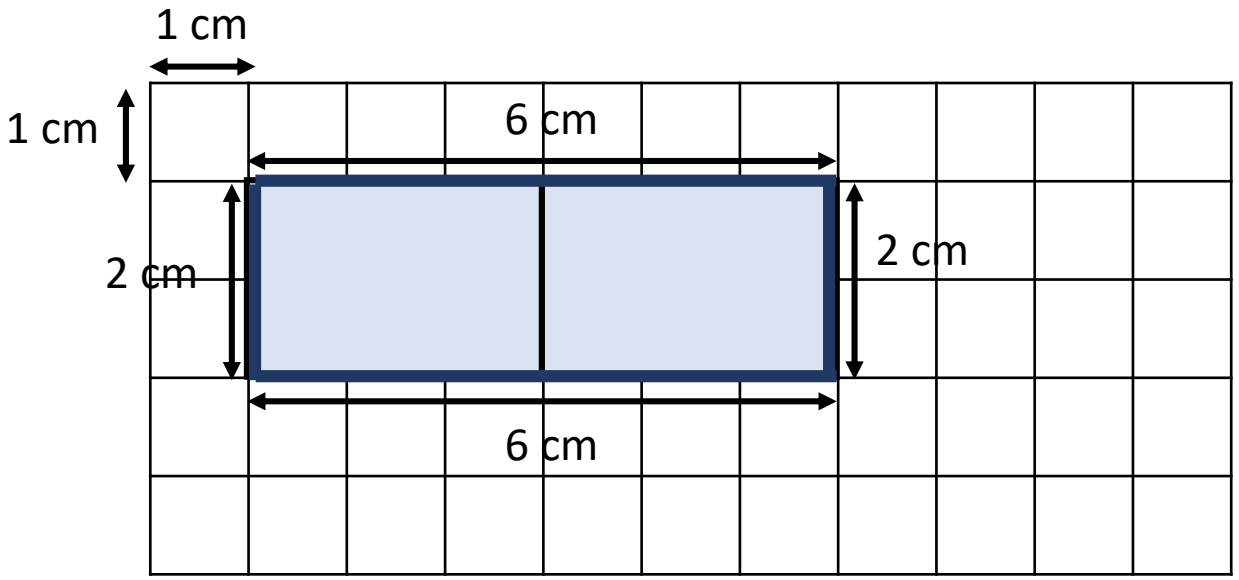
Annie has a 3 cm by 2 cm rectangular tile.



What is the perimeter of Annie's tile?

$3 \text{ cm} + 2 \text{ cm} + 3 \text{ cm} + 2 \text{ cm} = 10 \text{ cm}$

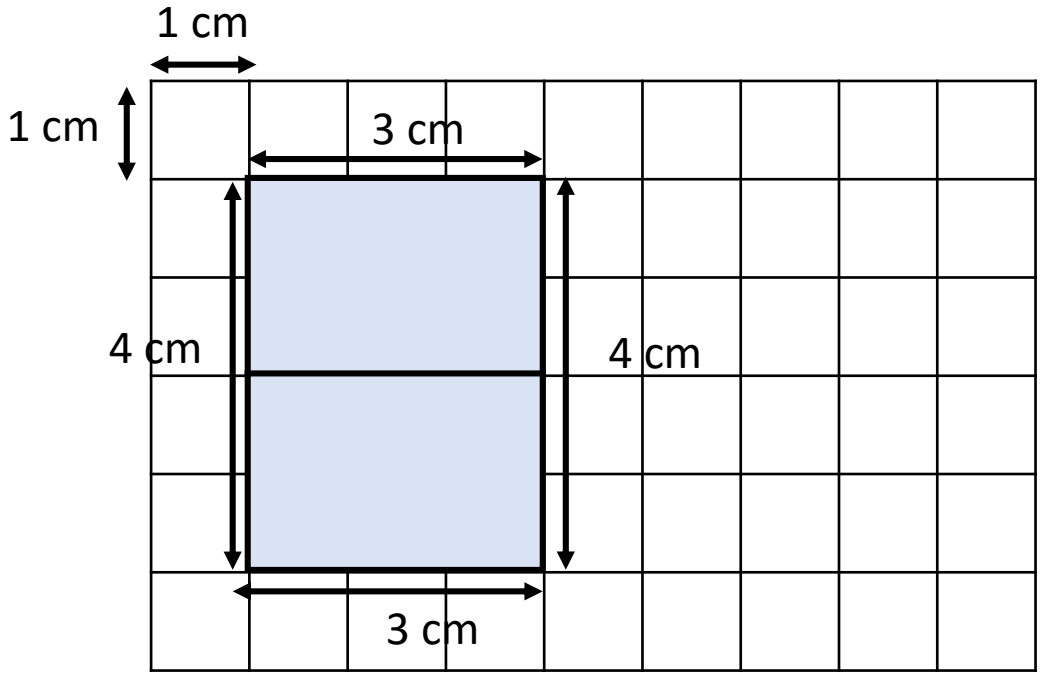
Annie joins 2 tiles together



If one tile has a perimeter of 10 cm, two tiles must have a perimeter of 20 cm.

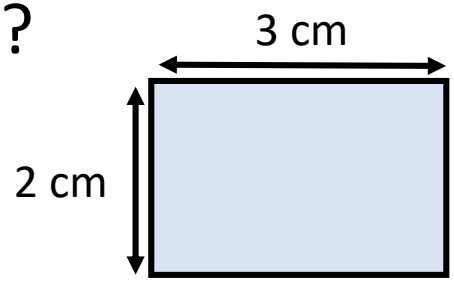
$6 \text{ cm} + 2 \text{ cm} + 6 \text{ cm} + 2 \text{ cm} = 16 \text{ cm}$

Annie joins 2 tiles together



3 cm + 4 cm + 3 cm + 4 cm = 14 cm

How many different perimeters can you make using 3 of Annie's tiles?



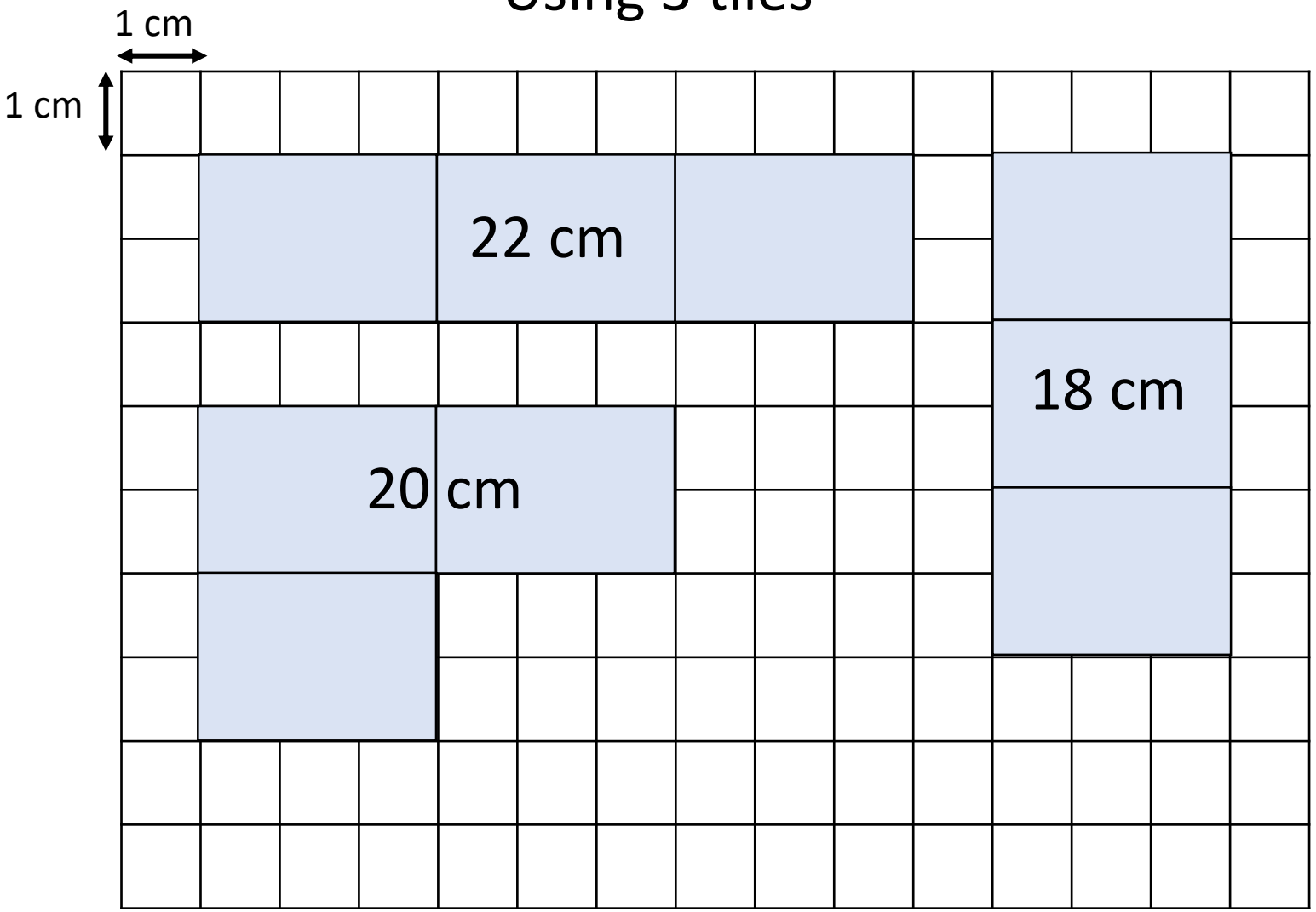
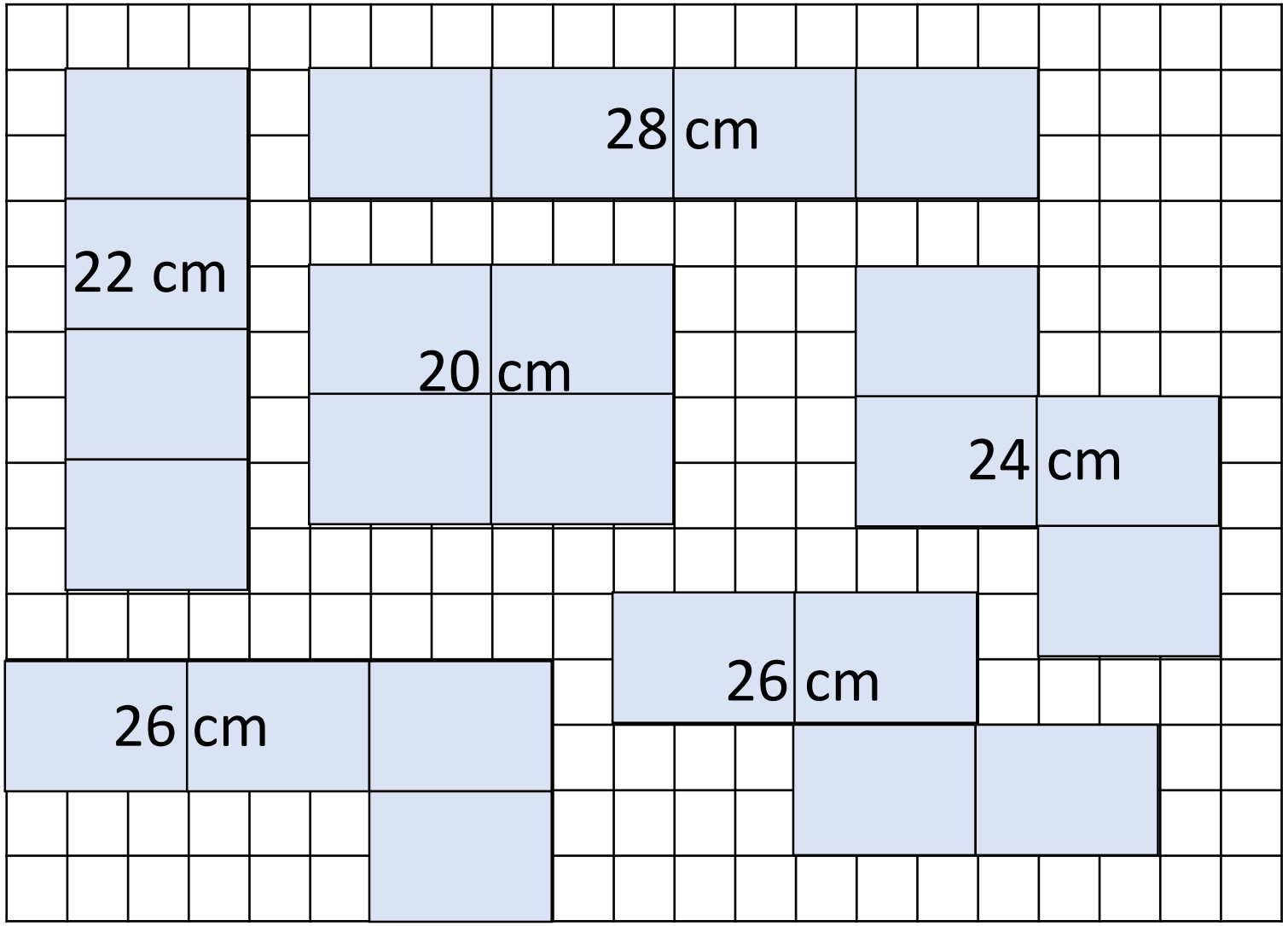
What is the longest possible perimeter?

What is the shortest?

What if you used 4 tiles?

Have a think

Using 3 tiles



Using 4 tiles