

Starter

$$\div 100 = 0.06$$

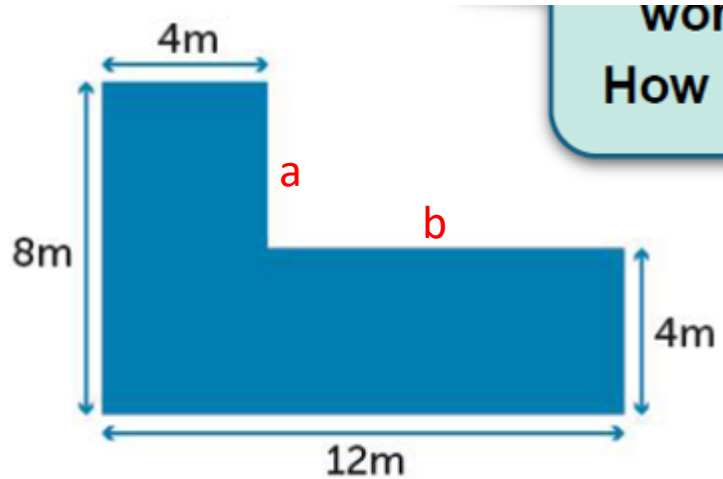
$$4^3 =$$

$$52\,342 + 3028 + 678 =$$

d) Round these numbers to the nearest 10 000:

78 890	
321 432	

The perimeter of a shape is the **distance around** its edges.



Perimeter is calculated by adding all the sides up.

We can calculate the perimeter of this shape by finding the measurement of the missing sides.

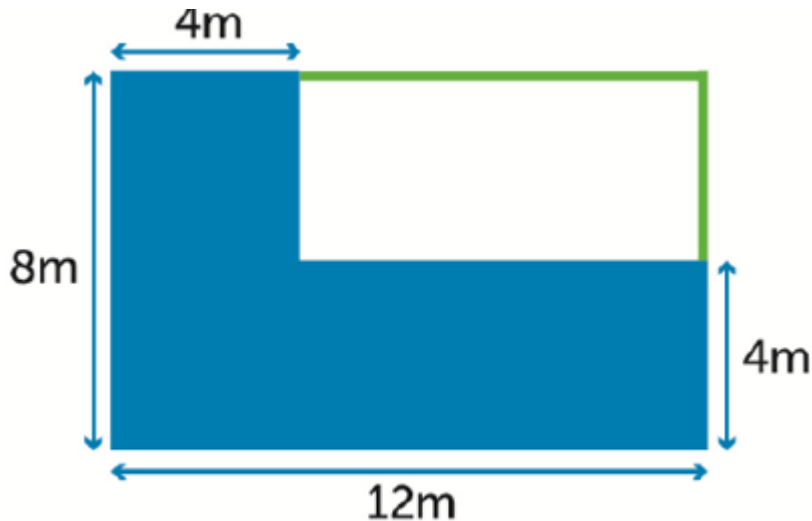
To calculate **a**- you can do $8-4$, which gives us 4. $a=4$

To calculate **b**- you can do $12-4$, which gives us 8. $b=8$

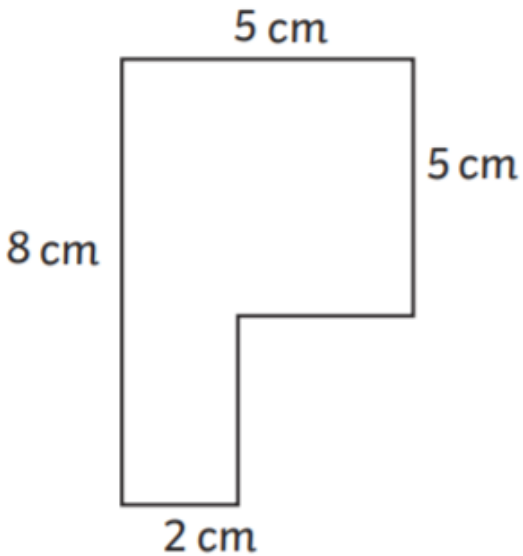
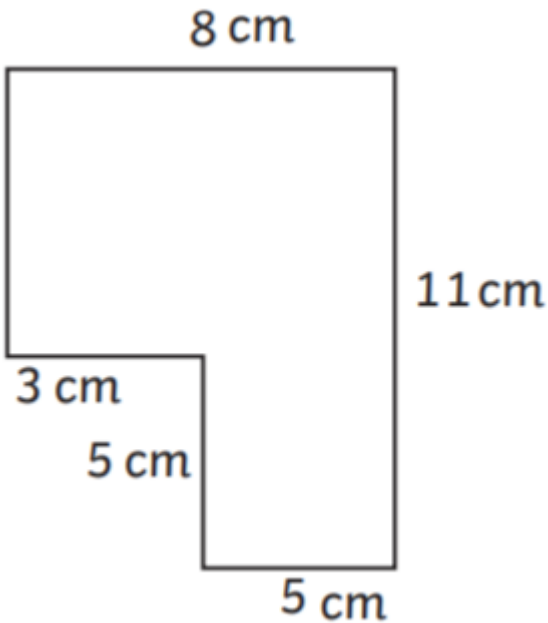
Then you add up all the sides. $4+4+8+4+12+8=40$

OR

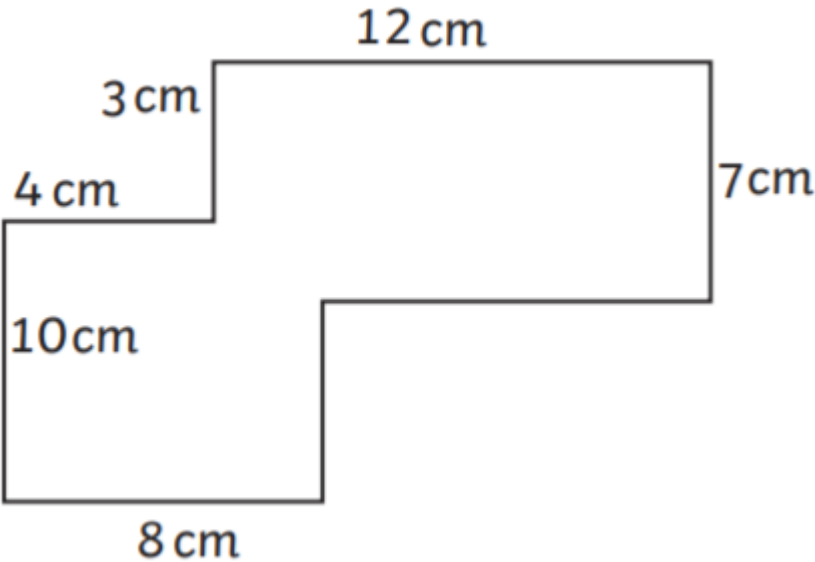
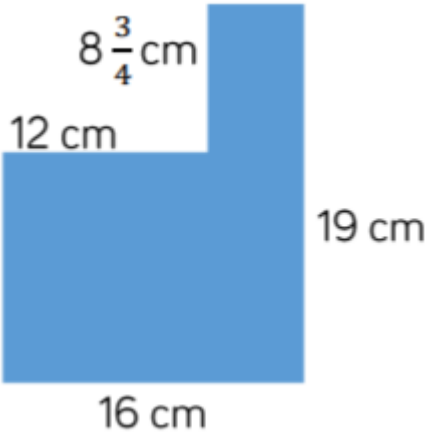
Sides **a** and **b** can be 'turned out' to create the final corner of the rectangle. So, $12+12+8+8=40$, which gives us the same answer.



MILD:

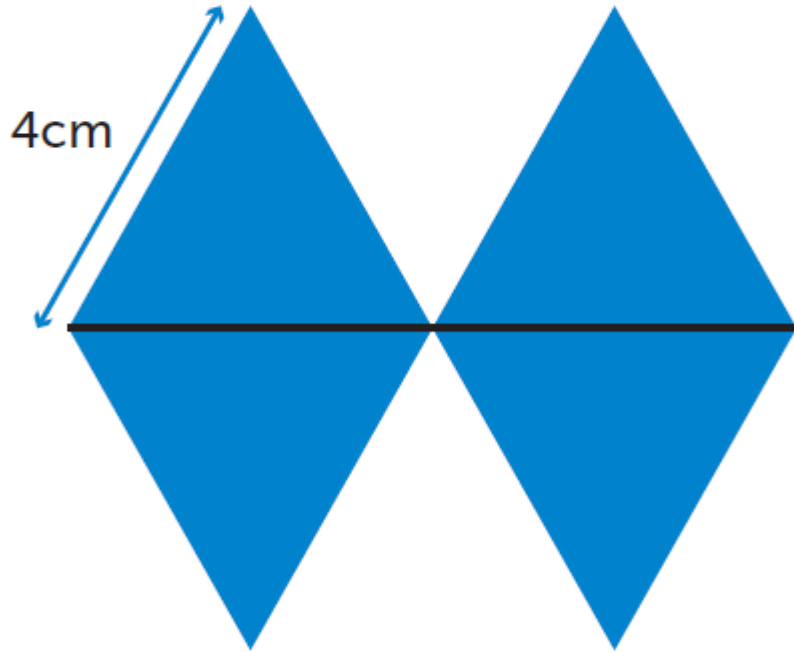


HOT:



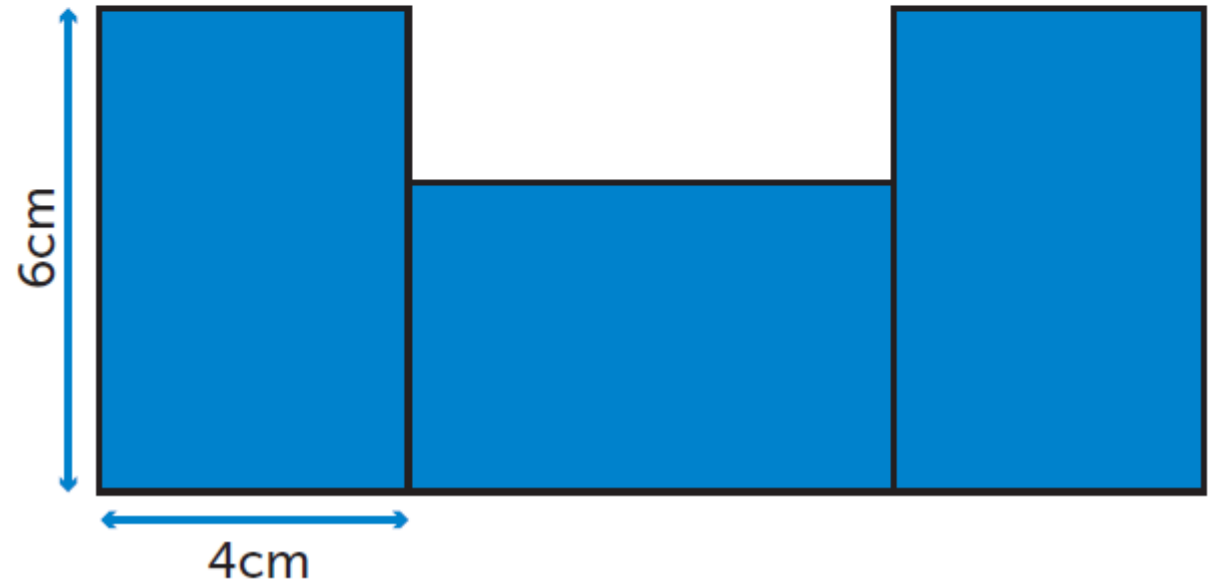
MILD:

3. What is the perimeter of this pattern of equilateral triangles?



HOT:

2. This composite shape is made up of three identical rectangles, each 6cm by 4cm. What is the perimeter?



MILD:



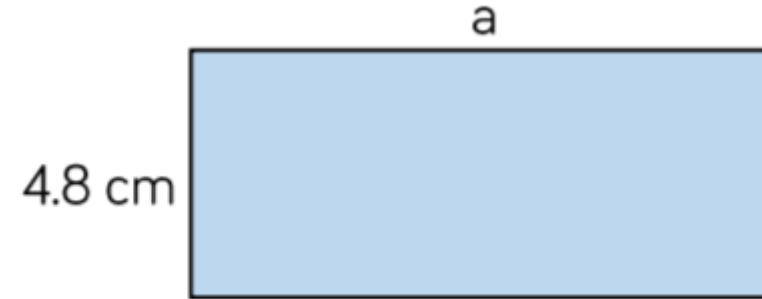
The perimeter of the inner square is 16 cm

The outer square's perimeter is four times the size of the inner square.

What is the length of one side of the outer square?

How do you know? What do you notice?

HOT:



The blue rectangle has a perimeter of 38 cm.

What is the value of a ?

ANSWERS:

Starter

$$\boxed{6} \div 100 = 0.06$$

$$4^3 = 64$$

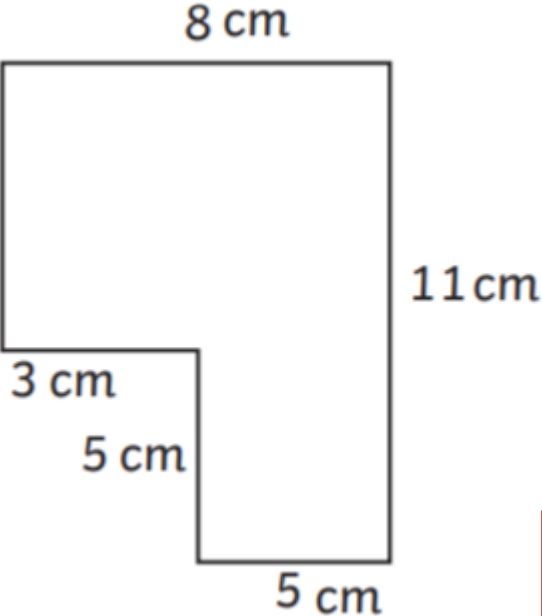
$$52\,342 + 3028 + 678 =$$

$$56,048$$

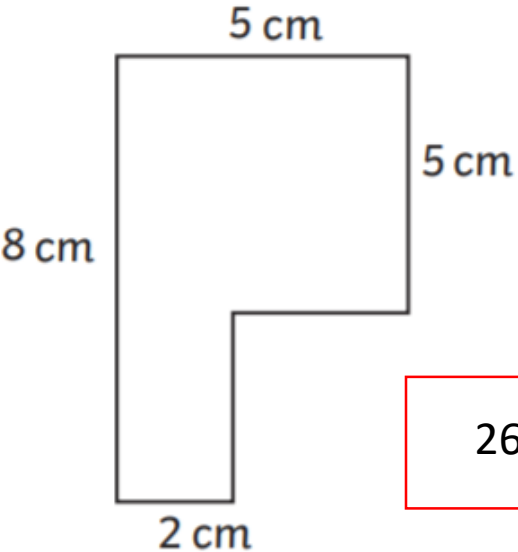
d) Round these numbers to the nearest 10 000:

78 890	80,000
321 432	320,000

MILD:



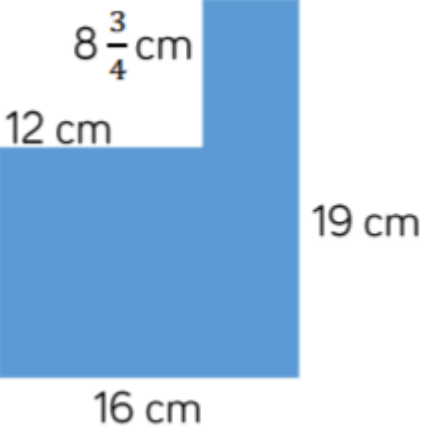
38cm



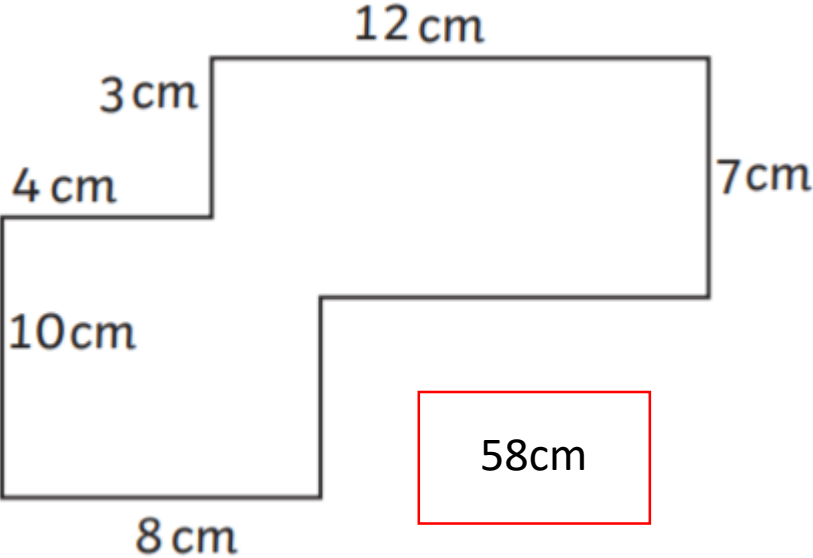
26cm

ANSWERS:

HOT:



70cm

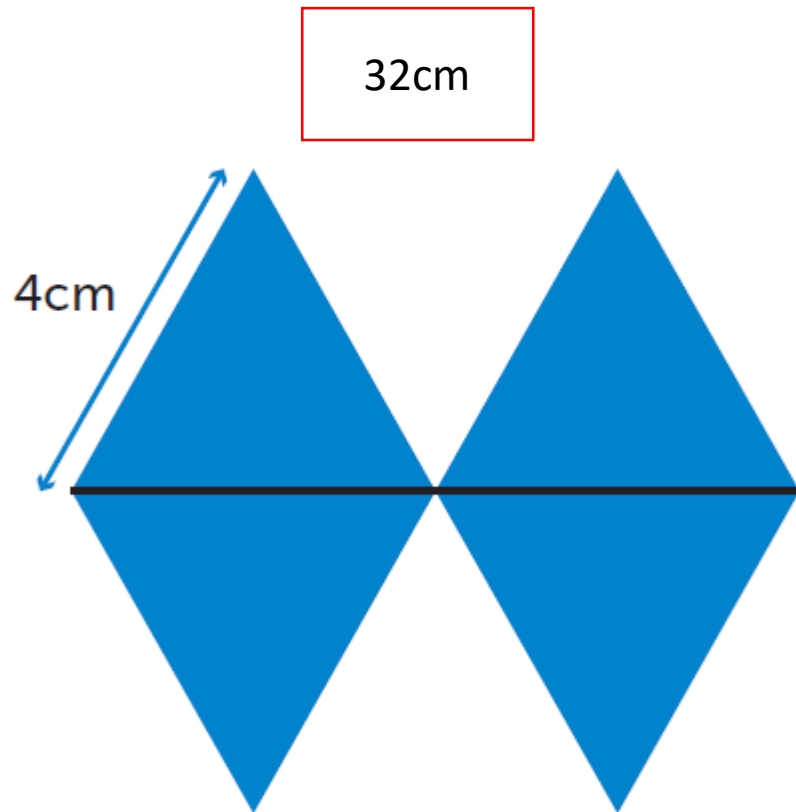


58cm

ANSWERS:

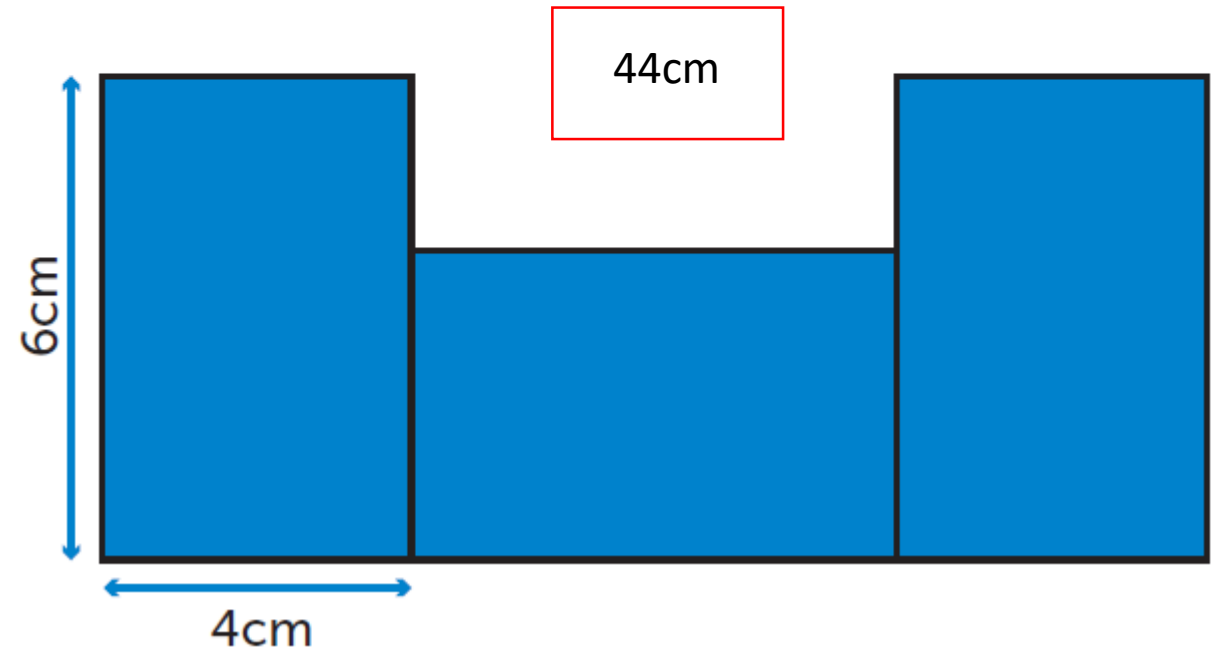
MILD:

3. What is the perimeter of this pattern of equilateral triangles?



HOT:

2. This composite shape is made up of three identical rectangles, each 6cm by 4cm. What is the perimeter?



ANSWERS:

MILD:

Small square =
16 cm

Large square =
64 cm

Length of one of
the outer sides is
8 cm, because 64
is a square
number.

HOT:

Total perimeter =
38 cm

$38 - (4.8 + 4.8)$
 $= 28.4$

So 28.4 divided by
2 = 14.2 cm