6th July **Foundation 5-a-day**

Corbettmaths

Lukas thinks of a number.

He adds 5
Then he doubles the answer

His final answer is 18

What was his original number?

$18 \div 2 = 9$

$9 - 5 = 4$

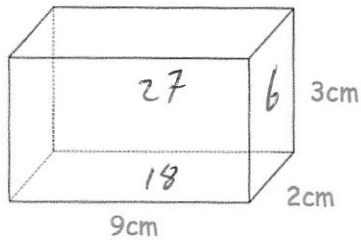
Here is a sequence of numbers

3 6 12 24 ... ...

×2 ×2 ×2

What is the rule for continuing the sequence?

double the previous term.



$2 \times 3 = 6$ (sides)

$2 \times 9 = 18$ (top & bottom)

$9 \times 3 = 27$ (front & back)

Calculate the surface area of the cuboid

$6 + 6 + 18 + 18 + 27 + 27$

$= 102 cm^2$

Write these number in order of size.
Start with the smallest number.

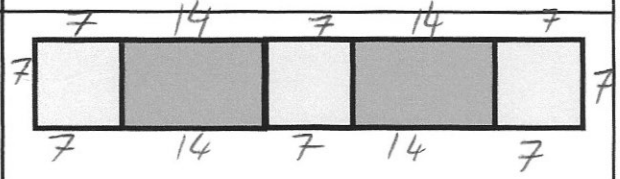
0.34 $\frac{1}{3}$ 32% $\frac{7}{20}$ 0.3

0.33... 0.32 0.35

0.3, 32%, $\frac{1}{3}$, 0.34, $\frac{7}{20}$

A design is made from some identical rectangles and identical squares.
Each rectangle is twice as long as each square.
The perimeter of each square is 28cm.

Calculate the perimeter of the design.



112 cm