

Start
?

Number machine



Subtract
3

11



Multiply
by 4

8



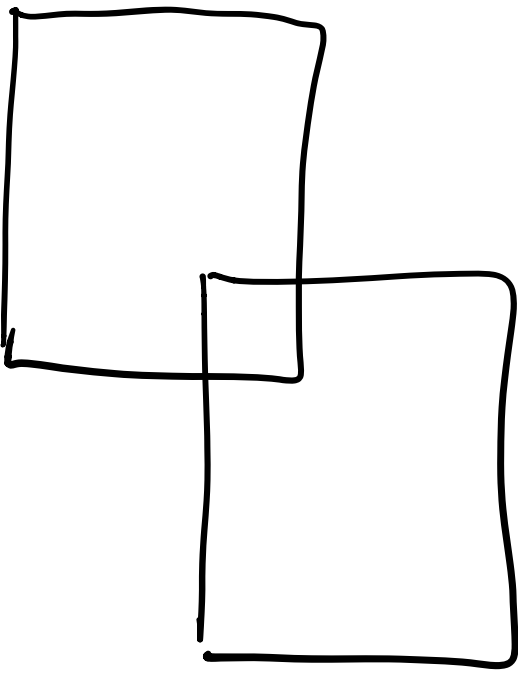
add
8

32



result
40

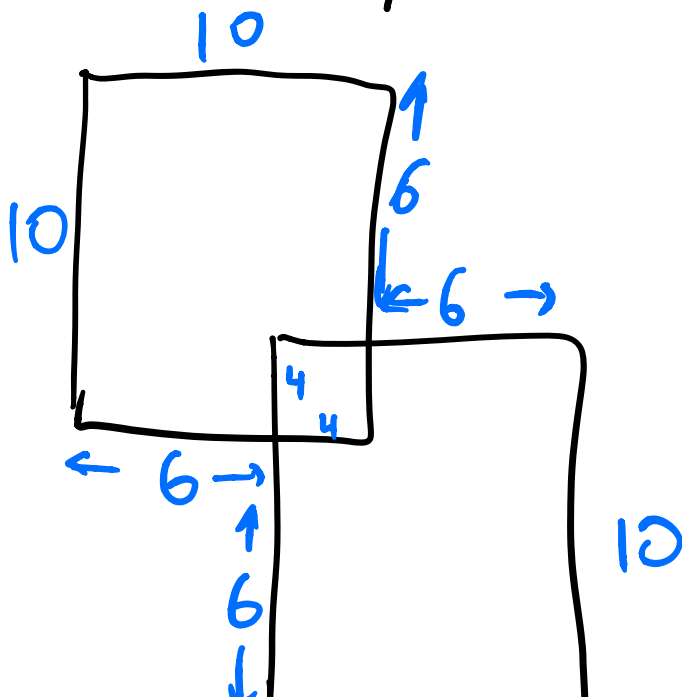




Big squares \rightarrow side length 10cm

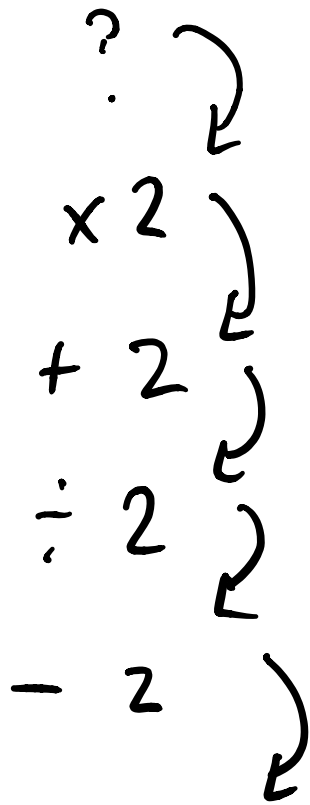
Small square \rightarrow area 16cm^2

What is perimeter of combined shape?



$$\begin{aligned}
 P &= 4 \times 10 \\
 &+ 4 \times 6 \\
 &= \textcircled{64\text{cm}}
 \end{aligned}$$

Number machine



Answer = 2

What was original number?

$$2 + 2 = 4 \quad \times 2 = 8 \quad - 2 = 6 \quad \div 2 = \textcircled{3}$$

Five different whole numbers chosen from 1 to 30 add up to 30.

What is the greatest possible value of the largest of these numbers?

$$1+2+3+4 = 10$$

$$\Rightarrow (20)$$

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Minimise
the rest
of the
numbers