

Answer the following questions, showing all your working. **No calculator allowed.**

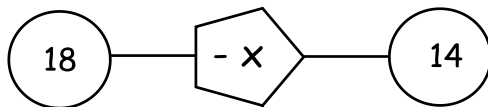
1. $63.2 + 22.9$
2. $5000 - 62$
3. 81.09×8
4. $3780 \div 7$
5. 800×90

6. When a 48 metre piece of rope is cut into identical lengths, the length of each piece is 8 metres.

How many pieces of rope were there?

7. Find the value of the letter in the following number machines.

a) IN



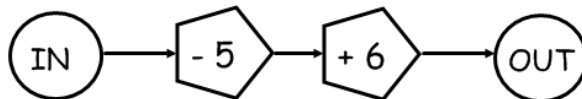
OUT

b) IN



OUT

8. Look at the combined function machine below.



a) What comes out when 22 is put in?

b) A number was put in and the number 12 came out.
What number must have been put in?

9. Solve the following equations (find the value of the letter): -

a) $x + 8 = 14$

b) $9 \times w = 36$

c) $y - 10 = 10$

d) $m - 2 = 21$

e) $42 \div p = 6$

f) $\frac{n}{5} = 3$