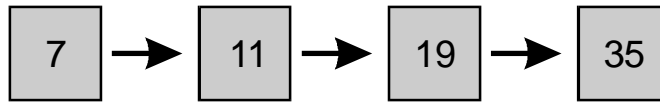


1. Number sequence

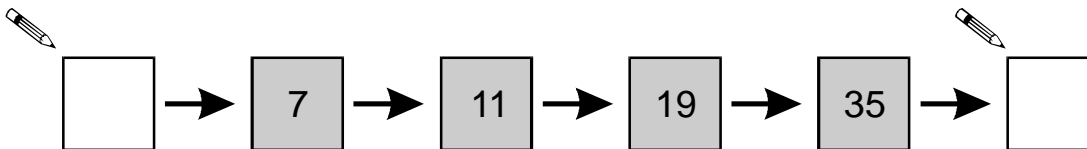
Here is part of a number sequence.



To get the next number you

multiply by 2 then subtract 3

Fill in the two missing numbers in the sequence.



2 marks

2. Missing Numbers

Write **one** number at the end of each equation to make it correct.

Example

$$26 + 34 = 16 + \dots \mathbf{44} \dots$$



(a) $400 + 150 = 500 + \dots$

1 mark



(b) $14 + 6 = 4 + \dots$

1 mark



(c) $37 - 20 = 27 - \dots\dots\dots$

1 mark



(d) $6 \times 5 = 3 \times \dots\dots\dots$

1 mark



(e) $38 + 17 = 28 + \dots\dots\dots$

1 mark



(f) $38 - 17 = 28 - \dots\dots\dots$

1 mark



(g) $40 \times 10 = 4 \times \dots\dots\dots$

1 mark



(h) $7000 \div 100 = 700 \div \dots\dots\dots$

1 mark

Total 8 marks

3. Thinking of rules

(a) I can think of three different rules to change 6 to 18

$$6 \longrightarrow 18$$

Complete these sentences to show what these rules could be.



first rule: **add**

1 mark

second rule: **multiply by**

1 mark

third rule: **multiply by 2 then**

1 mark

(b) Now I think of a new rule.

The new rule changes 10 to 5 **and** it changes 8 to 4

$$10 \longrightarrow 5$$

$$8 \longrightarrow 4$$

Write what the new rule could be.



.....

1 mark