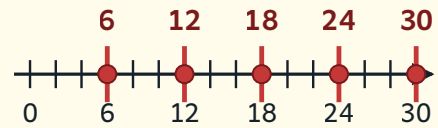


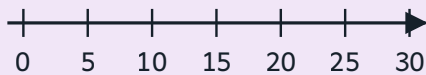
FIND THE RULE

- Look at the jumps on the number line: from 6 to 12 is add 6.
- Check the next jumps: 12 to 18 and 18 to 24 are also add 6 each time.
- The rule is the same every step, so add 6 again: $24 + 6 = 30$.



WARM-UP

Mark the sequence 5, 10, 15, 20 on the number line and show its rule.



- Mark 5, 10, 15 and 20 on the number line.
- Draw an arrow between each pair of marks and write the rule underneath.
- Work out the next number in the sequence and mark it on the line.

PRACTICE

- Ola scores in darts: 3, 6, 9, 12. Work out the rule for the sequence.
- In a board game the ladder squares are 3, 6, 9, 12. Find the rule that makes this pattern.
- A game timer counts down: 50, 45, 40, 35. Work out the rule for this sequence.
- In a dice game the tokens go 2, 4, 8, 16. Find the rule for this sequence.

SPOT THE MISTAKE

Niamh continues the sequence 5, 10, 15, 20 like this:

5, 10, 15, 20, 40, 80

Find Niamh's mistake. What should the next two terms be?

The mistake _____ Correct answer _____

REFLECT

How do you check that the rule you found really works for every term?



x y



ALGEBRA



x y

