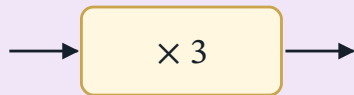


FINDING THE RULE FROM A TABLE

- 1 Look at the values for term 1 term 2 and term 3.
- 2 See how the value grows each time the term number goes up by one.
- 3 Write the rule as a sentence like value equals three times the term number plus one.

WARM-UP

Draw the table and mark the values on it.



1. Mark term-numbers 1 to 5 in the top row for the 3 5 7 pattern
2. Continue the pattern and write the values for terms 1 to 5 in the bottom row
3. Write the rule as a sentence under the table

PRACTICE

- 1 A builder makes a tile pattern where term 1 uses 3 tiles term 2 uses 5 tiles and term 3 uses 7 tiles.
term 1 gives 3 term 2 gives 5 term 3 gives 7 what is the value at term 4?
- 2 A maker builds a growing shape with term 1 using 4 tiles term 2 using 7 tiles and term 3 using 10 tiles.
term 1 gives 4 term 2 gives 7 term 3 gives 10 what is the value at term 5?
- 3 In the building yard the tile pattern starts with term 1 using 3 tiles term 2 using 5 tiles and term 3 using 7 tiles.
term 1 gives 3 term 2 gives 5 term 3 gives 7 what is the value at term 10?
- 4 The carpenter makes patterns where term 1 uses 4 tiles term 2 uses 7 tiles and term 3 uses 10 tiles.
term 1 gives 4 term 2 gives 7 term 3 gives 10 what is the value at term 8?
- 5 A builder creates a pattern with term 1 using 5 tiles term 2 using 8 tiles and term 3 using 11 tiles.
term 1 gives 5 term 2 gives 8 term 3 gives 11 what is the value at term 6?

? ALWAYS, SOMETIMES, NEVER

Always sometimes or never true? Write A S or N.

- a. In a growing pattern the value at term 4 is bigger than at term 3. ☐
- b. A table with term numbers and values shows the rule after three rows. ☐
- c. If term 1 is 3 and term 2 is 5, the rule is 'term number + 2'. ☐
- d. You can find the value at term 10 without drawing each pattern. ☐