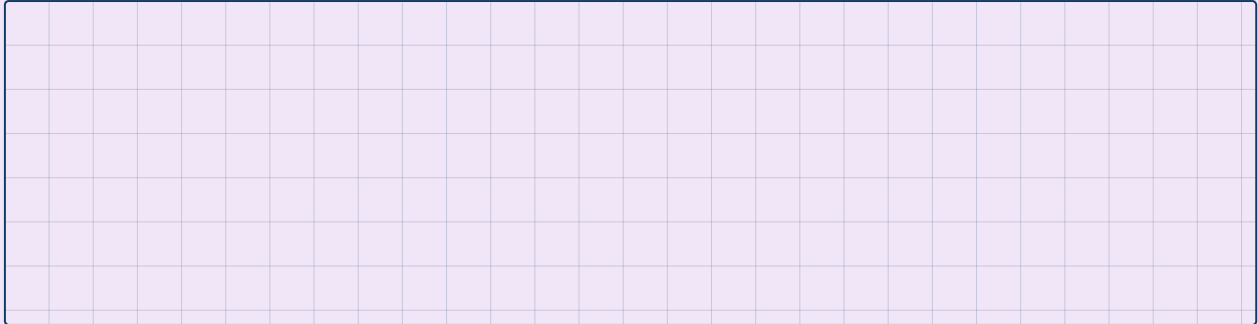


FIND THE 10TH SHAPE IN A GAME PATH

- 1 The path repeats star, moon, star, moon and so on
- 2 The repeating unit is **star, moon** so it has **2** shapes
- 3 Count in whole units: **5** units give exactly **10** shapes
- 4 The **10th** shape is the last shape of the unit, so moon

WARM-UP

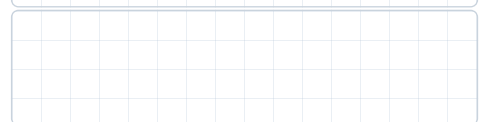
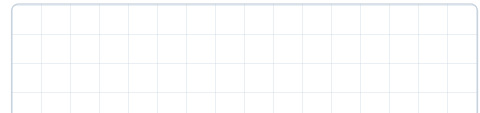
Use the squared working space to draw the patterns named below.



1. Draw the board-game path red, blue repeated for 6 tiles and mark the next colour after them
2. Draw the unit heart, moon and continue it until you reach the 10th shape then circle that 10th shape
3. Draw square, triangle repeated to 8 shapes, box one full unit of 2 and write how many full units fit in the 8

PRACTICE

- 1 In a board-game path the tiles run red, blue, red, blue, red, blue. What colour tile comes next?
- 2 A card game lays hearts and moons in a repeating unit of heart, moon. What shape sits in the 10th place?



! SPOT THE MISTAKE

Aoife looks at this repeating pattern and names the unit:

red, blue, blue, red, blue, blue, red, blue, blue
Aoife says: the unit is red, blue

Find Aoife's mistake. What is the real repeating unit?

The mistake _____ Correct answer

IRISH FACT The Irish flag unit

Ireland's tricolour is a three-stripe unit that never changes order: **green, white, orange**. Spot that unit and you can say the colour in any place along the flag.

Government of Ireland



REFLECT What helped you spot the repeating unit most quickly?