

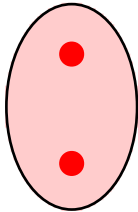
Mathematics Assessment (CfE) - Level 3

(MTH 3 - 19a)

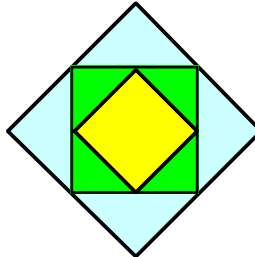
I can illustrate the lines of symmetry for a range of 2D shapes and apply my understanding to create and complete symmetrical pictures and patterns.(3-19a). I can use appropriate mathematical vocabulary to discuss the rotational property of shapes. (part 4-19a)

1. How many lines of symmetry do these shapes have ?

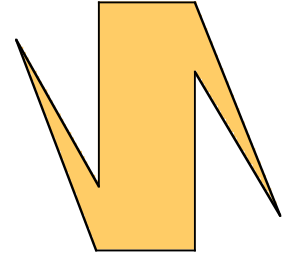
a



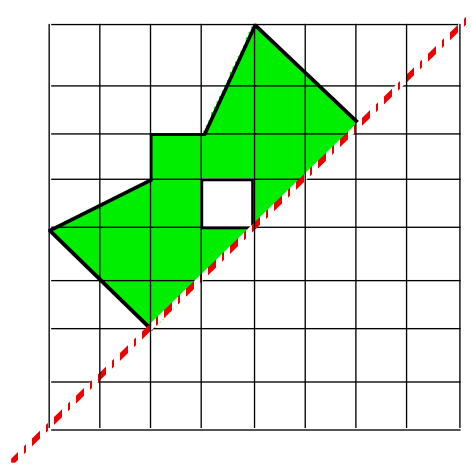
b



c

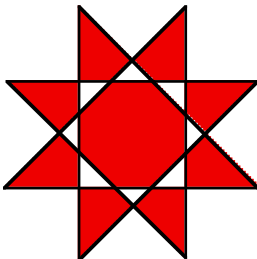


2. Copy the figure shown onto $\frac{1}{2}$ cm or 1 cm squared paper and complete it so that the dotted line is an axis of symmetry.

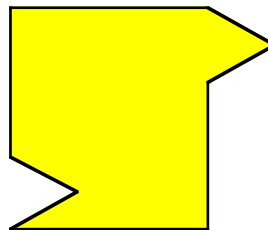


3. Which, if any, of these shapes have half turn symmetry ?

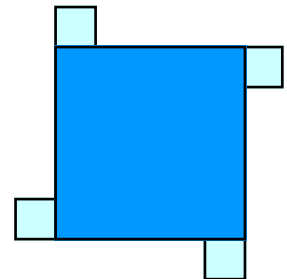
a



b

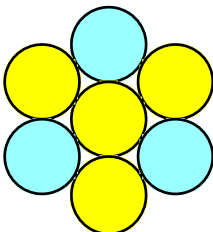


c

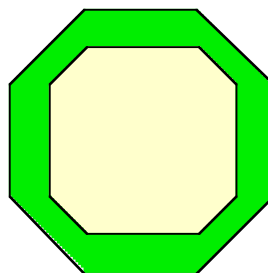


4. State what kind of turn symmetry ($\frac{1}{2}$, $\frac{1}{3}$, ...) these shapes have.

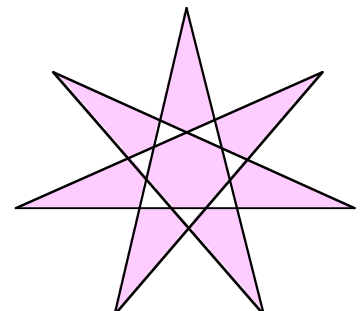
a



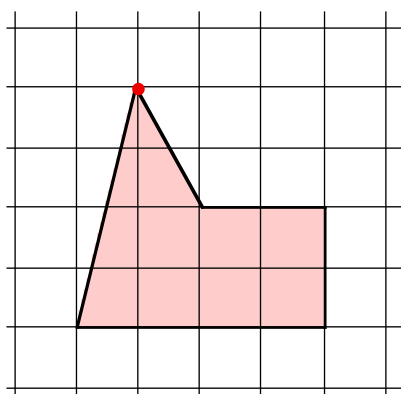
b



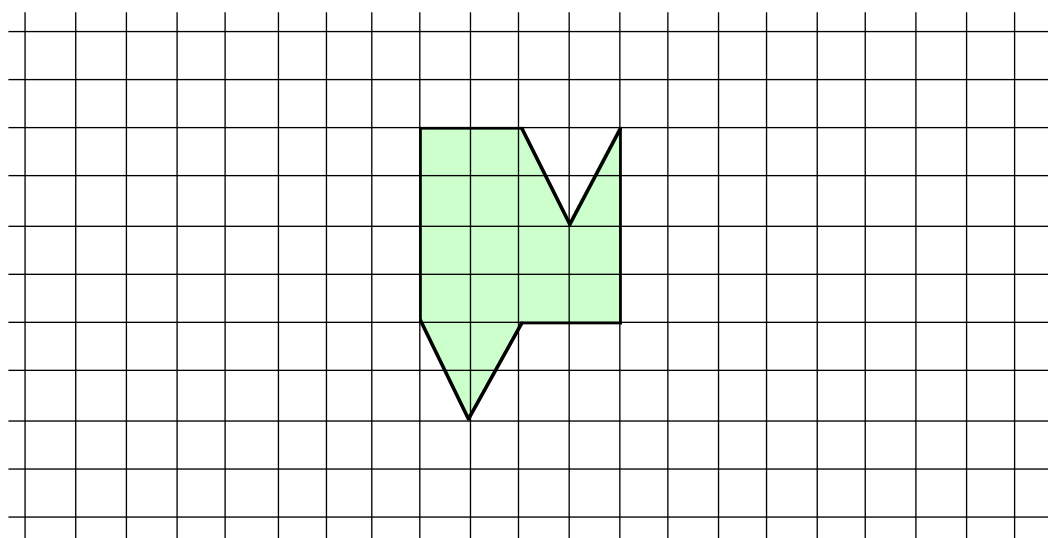
c



5. Copy the shape below onto squared paper and rotate it 180° around the dot.

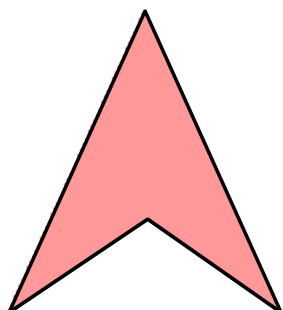


6. Make a copy of this shape in the centre of a page and surround it completely to show that this shape will "tile the plane".

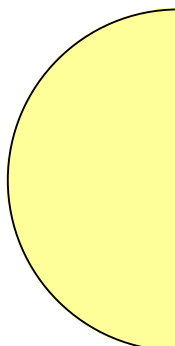


7. Which of the following shapes would tile the plane?

a



b



c

