**Year 5: GEOMETRY – Properties of shapes/Position and direction**

*Understand the language of reflection and translation*

1) Fiona uses a mirror in her maths lesson. Is she learning about reflection or a translation?

2) Ryan wanted to move a shape up and along a co-ordinate grid. Would he reflect or translate it? Explain your answer.

3) Leah uses a mirror to draw a new shape. Has she translated or reflected the shape?

4) Zahid says that to translate a shape you are simply moving the shape. Is he correct? Explain your answer.

5) Miss Dotty draws a shape on a co-ordinate grid. She asks her class to move the shape **three** squares up and **two** squares left. Will her class reflect or translate the shape?

6) Joey says, “When I reflect a hexagon, the reflected shape is different.” Can Joey be correct? Explain your answer.

7) Describe the difference between the terms **reflection** and **translation**. Use examples to illustrate your explanation.

Answers

