ZiloAcademy

✨ Grade 4 Maths — Transformations ✨

Name: Demo Grade 4 **Date:** 26/11/2026

1. An arrow points left. After a 90° clockwise rotation, which way does it point?

2. A point is at (12, 12). It is translated 3 right and 7 up. What is its new position?

3. An arrow points left. After a 180° rotation, which way does it point?

4. A point moves from (1, 3) to (12, 10) through a translation. How many squares right and how many up did it move? Write it as "R right, U up".

5. A point moves from (6, 2) to (17, 6) through a translation. How many squares right and how many up did it move? Write it as "R right, U up".

6. A point is at (1, 9). It is translated 10 right and 8 up. What is its new position?

7. A point is at (5, 1). It is reflected across a vertical mirror line at x = 12. What is its new position?

8. A point moves from (9, 8) to (16, 20) through a translation. How many squares right and how many up did it move? Write it as "R right, U up".

9. A point moves from (8, 12) to (19, 19) through a translation. How many squares right and how many up did it move? Write it as "R right, U up".

10. A point is at (4, 3). It is reflected across a vertical mirror line at x = 7. What is its new position?