



Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

- ✓ Identify reflections. ✓ Identify rotations. ✓ Identify translations. ✓ Apply dilations and scale factors.



Section A • Concept Check

• BEGINNER

$4 \times 1 = 4$

- 1** A shape flipped over a line is a:

☐ A. reflection ☐ B. rotation ☐ C. translation

☐ D. dilation

2 A shape turned 180° about its centre is a:

☐ A. reflection ☐ B. rotation ☐ C. translation

☐ D. dilation
- 3** A shape moved 5 units left is a:

☐ A. reflection ☐ B. rotation ☐ C. translation

☐ D. dilation

4 A square with side 4 dilated by scale factor 0.5 has new side:

☐ A. 2 ☐ B. 8 ☐ C. 4.5 ☐ D. 0.5



Section B • Problem Solving

• INTERMEDIATE

$2 + 3 \times 3 = 11$

- 5** A flip over a line is a _____.
- 6** A turn about a point is a _____.
- 7** A shape is flipped over a horizontal line. What transformation is this?
- _____
- 8** A shape is turned 180° around its centre. What transformation is this?
- _____
- 9** A shape moves 5 units left with no other changes. What transformation is this?
- _____



Section C • Challenge

• CHALLENGE

5

- 10** A square with side 4 is dilated by scale factor 0.5. Find its new side length.
- _____

Reflection — the most useful thing I learned: _____

A ___/4 B ___/11 C ___/5 **Total** ___/20

Teacher's Signature _____

Parent's Signature _____

ANSWER KEY — FOLD OR CUT BEFORE HANDING OUT

1-A 2-B 3-C 4-A | 5 reflection 6 rotation 7 = Reflection 8 = Rotation 9 = Translation
| 10 = 2