BitWith Bite

MATHEMATICS WORKSHEET

Symmetry

Chapter: Geometry · Level ★★☆ · Time: 30 min

SCORE ___ / 20

Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

✓ Count lines of symmetry. ✓ Identify point (rotational) symmetry. ✓ Count symmetry for regular shapes.

✓ Analyse the symmetry of letters.

Section A · Concept Check • BEGINNER 4 × 1 = 4

1 How many lines of symmetry does a regular hexagon have?

◯ A. 6 ◯ B. 3 ◯ C. 2 ◯ D. 12

2 How many lines of symmetry does a non-square rectangle have?

◯ A. 2 ◯ B. 4 ◯ C. 1 ◯ D. 0

3 Does the letter 'S' have line symmetry?

◯ A. No ◯ B. Yes ◯ C. Only vertical

◯ D. Only horizontal

4 Does the letter 'S' have point (180° rotational) symmetry?

◯ A. No ◯ B. Yes ◯ C. Only once

◯ D. Cannot tell

Section B · Problem Solving • INTERMEDIATE 2 + 3×3 = 11

5 A regular polygon with n sides has _____ lines of symmetry.

6 A non-square rectangle has _____ lines of symmetry.

7 How many lines of symmetry does a regular hexagon have?

8 How many lines of symmetry does a non-square rectangle have?

9 Does the letter 'S' typically have line symmetry?

Section C · Challenge • CHALLENGE 5

10 Does the letter 'S' have point symmetry (180° rotational)?

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-A 3-A 4-B | 5 n 6 2 7 = 6 8 = 2 9 = No | 10 = Yes