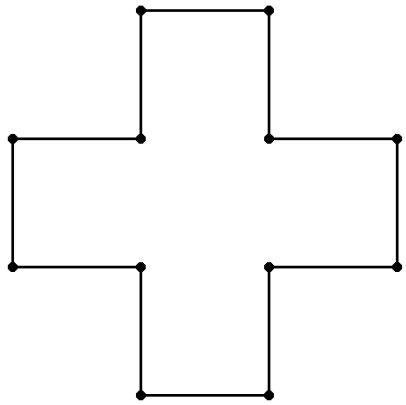
Symmetry: Free Practice Worksheet

Class 6 · Maths · Chapter 9, Ganita Prakash · Home Practice

Name: _____ Roll No.: _____

Attempt all questions · Max marks: 5

Q1. Look at the plus-shaped tile. All four of its arms are the same size. How many lines of symmetry does it have? [1 mark]



(A) 2

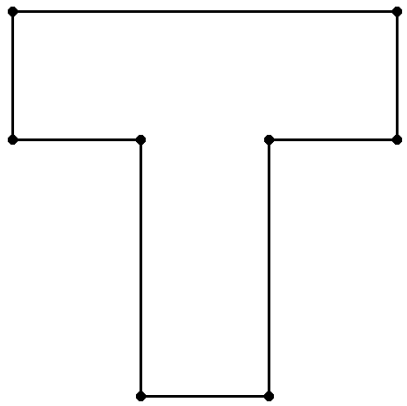
(B) 4

(C) 12

(D) 8

Answer: _____

Q2. Look at the T-shaped figure. Which statement about it is true? [1 mark]



(A) It has exactly 1 line of symmetry, and no angle of symmetry smaller than 360°

(B) It has 1 line of symmetry, so it also looks the same after a turn of 180°

(C) It has 2 lines of symmetry, one up and down and one across

(D) It has no line of symmetry

Answer: _____

Q3. A tile pattern looks exactly the same after a turn of 90° about its centre. Which of these turns will also make it look exactly the same? [1 mark]

(A) 45°

(B) 120°

(C) 180°

(D) 100°

Answer: _____

Q4. A figure that has exactly 4 angles of symmetry has 90° as its smallest angle of symmetry. [1 mark]

True / False

Q5. A rangoli design has 12 identical petals, equally spaced around its centre. Its smallest angle of symmetry is _____°. [1 mark]

Answer: _____

Answers

Symmetry: *Free Practice Worksheet* · 5 *questions* · 5 *marks*.

Q1	Option B — 4
Q2	Option A — It has exactly 1 line of symmetry, and no angle of symmetry smaller than 360°
Q3	Option C — 180°
Q4	True
Q5	30

More Symmetry practice, with a worked explanation for every question: *claylearn.in/maths/class-6/symmetry*