PEP Grade 5 Math — Unit 5: Motion of Shapes (3) • Unit Test (Basic)

PEP · Grade 5 · Term 2 · Mathematics · Unit Test · Basic

AI-generated practice paper · original study aid, not an official examination paper · 40 questions · 100 points

Name: _____ Date: _____ Score: _____

Answer all questions. This paper is worth 100 points. Show your working where appropriate.

I. Multiple Choice

1. Which of the following shows a shape rotated 90 degrees clockwise around a point?
   A. A square with one corner pointing up, then turned so the same corner points right
   B. A triangle with its base on the bottom, then flipped upside down
   C. A rectangle that moves 2 units to the right without turning
   D. A circle that changes size slightly

2. What happens to a shape when it undergoes a reflection across a vertical line?
   A. It slides sideways
   B. It appears as a mirror image on the opposite side
   C. It gets larger
   D. It turns upside down

3. Which transformation moves every point of a shape the same distance in the same direction?
   A. Rotation
   B. Reflection
   C. Translation
   D. Scaling

4. How many lines of symmetry does a regular pentagon have?
   A. 3
   B. 4
   C. 5
   D. 6

5. After rotating a triangle 180 degrees around its center, what is true about the final position?
   A. It faces the same direction as before
   B. It is upside down and reversed
   C. It is shifted two units up
   D. It disappears

6. Which of these shapes has no lines of symmetry?
   A. Equilateral triangle
   B. Rectangle
   C. Parallelogram
   D. Square

7. If a figure is reflected over a horizontal line, how does the top part change?
   A. It becomes the bottom part
   B. It stays on top
   C. It rotates 90 degrees
   D. It gets darker

8. Which transformation preserves both the size and shape of a figure?
   A. Translation only
   B. Rotation only
   C. Reflection only
   D. All of the above