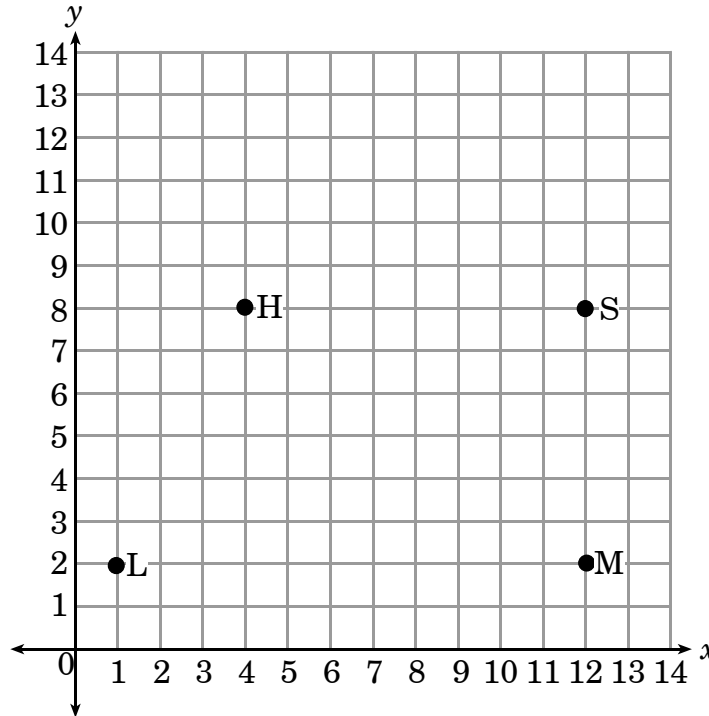


1. This is a map of Brandon's town.

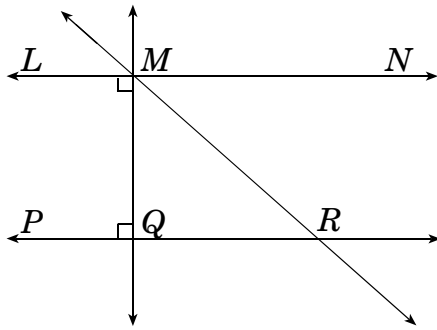


Key	
H	Home
S	School
M	Museum
L	Library

Which figure will be created if Brandon walks from home to school, then to the museum, then to the library, and finally back home?

- A trapezoid
- B square
- C rhombus
- D rectangle

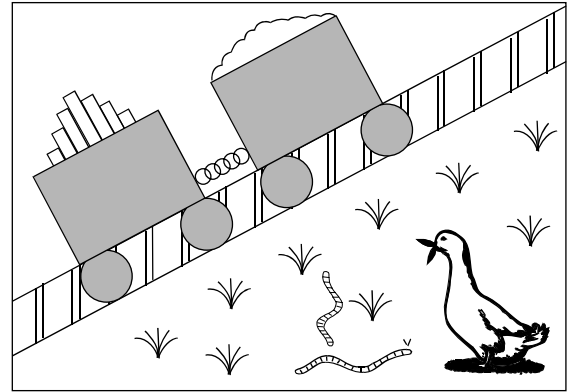
2. Which line is parallel to  $\overleftrightarrow{LN}$  ?



- A  $\overleftrightarrow{LM}$
- B  $\overleftrightarrow{MQ}$
- C  $\overleftrightarrow{MR}$
- D  $\overleftrightarrow{PR}$

3. In art class, Celina identifies the parallel lines in her painting.

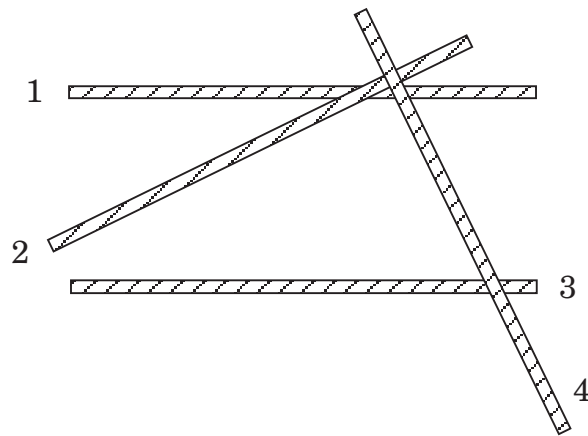
**Celina's Painting**



Which part of her painting shows parallel lines?

- A bird's beak
- B train tracks
- C wheels of train cars
- D grass

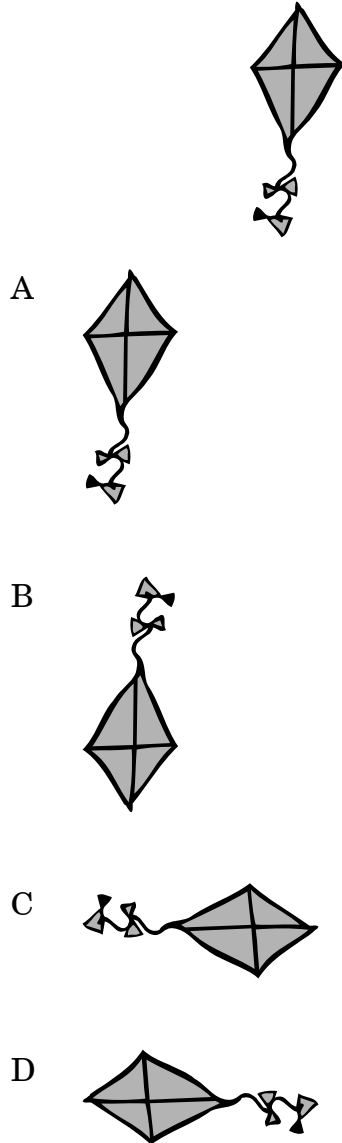
4. Vicki placed four straws on her table.



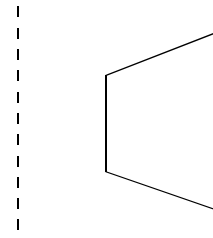
Which two straws appear to be perpendicular to each other?

- A straws 1 and 2
  - B straws 1 and 3
  - C straws 2 and 4
  - D straws 2 and 3
- 
5. Which of the following times on the face of a clock shows an hour hand and a minute hand that are perpendicular?
- A 2:00
  - B 4:00
  - C 6:00
  - D 9:00

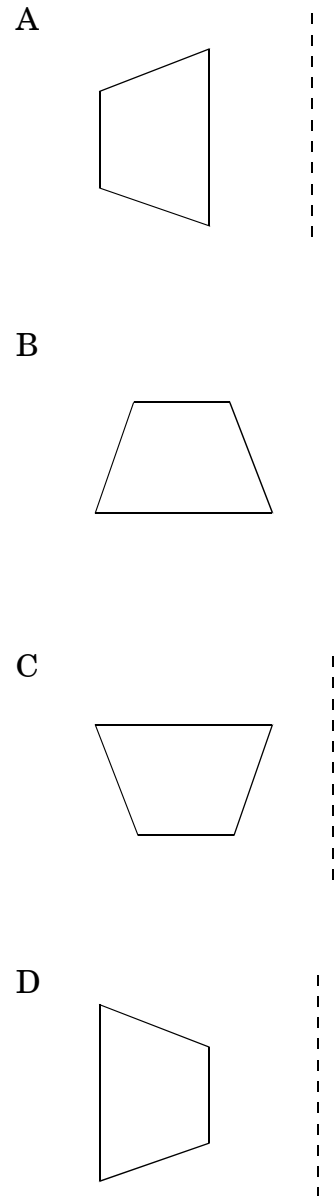
6. How will the kite look if the wind rotates it  $90^\circ$  counterclockwise?



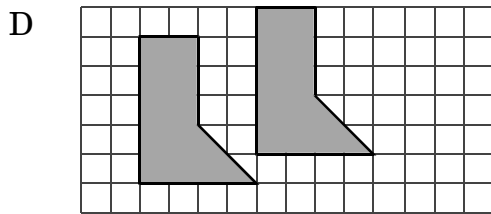
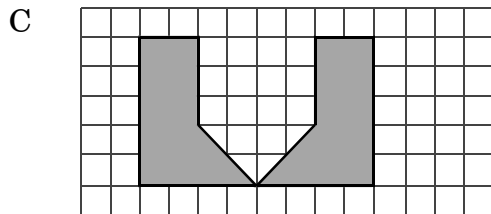
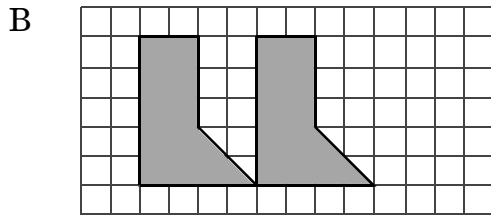
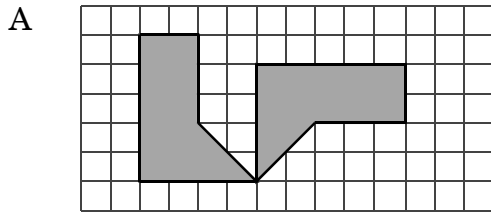
7.



Which figure is a reflection of the polygon over the dotted line?



8. Which of the following shows a shaded figure and its rotation?



## End of Goal 3 Sample Items

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## Answers to EOG Grade 4 Math Sample Items

### Goal 3

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**1. Objective 3.01**

Use the coordinate system to describe the location and relative position of points and draw figures in the first quadrant.

**Thinking Skill:** Applying                      **Correct Answer:** A

**2. Objective 3.02**

Describe the relative position of lines using concepts of parallelism and perpendicularity.

**Thinking Skill:** Organizing                      **Correct Answer:** D

**3. Objective 3.02**

Describe the relative position of lines using concepts of parallelism and perpendicularity.

**Thinking Skill:** Organizing                      **Correct Answer:** B

**4. Objective 3.02**

Describe the relative position of lines using concepts of parallelism and perpendicularity.

**Thinking Skill:** Organizing                      **Correct Answer:** C

**5. Objective 3.02**

Describe the relative position of lines using concepts of parallelism and perpendicularity.

**Thinking Skill:** Analyzing                      **Correct Answer:** D

**6. Objective 3.03**

Identify, predict, and describe the results of transformations of plane figures. a) Reflections. b) Translations. c) Rotations.

**Thinking Skill:** Applying                      **Correct Answer:** D

**7. Objective 3.03**

Identify, predict, and describe the results of transformations of plane figures. a) Reflections. b) Translations. c) Rotations.

**Thinking Skill:** Applying                      **Correct Answer:** D

**8. Objective 3.03**

Identify, predict, and describe the results of transformations of plane figures. a) Reflections. b) Translations. c) Rotations.

**Thinking Skill:** Applying                      **Correct Answer:** A