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1. Leslie divides different shapes into two groups based on the rules given below.

- Group 1: Shapes that contain at least one right angle
- Group 2: Shapes that do not contain any right angles

Which of the following figures belongs in Group 2?



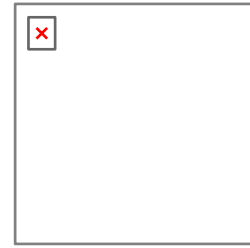
W.



X.



Y.



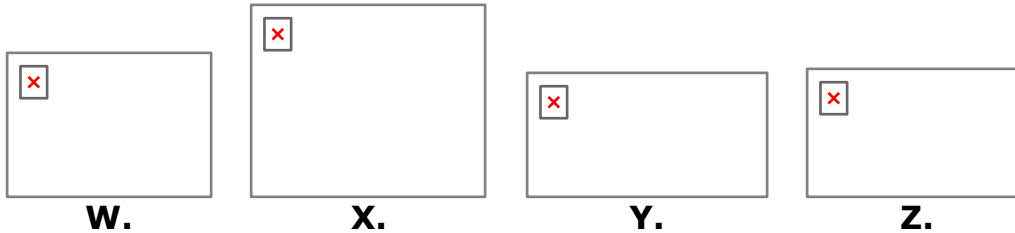
Z.

- ☒ **A.** Z and W
- ☒ **B.** X and Y
- ☒ **C.** only X
- ☒ **D.** only W
-

2. Julie divides different shapes into two groups based on the rules given below.

- Group 1: Shapes that contain at least one obtuse angle
- Group 2: Shapes that do not contain any obtuse angles

Which of the following figures belongs in Group 1?



- ☐ A. X, Y, and Z
- ☐ B. only X
- ☐ C. only W
- ☐ D. W and Y
-

3. Which figure must have two pairs of parallel sides and all sides equal in length?

- ☐ A. square
- ☐ B. trapezoid
- ☐ C. parallelogram
- ☐ D. rectangle
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4. Louis asks a question about shapes in order to sort them into two groups.

For each shape, if the answer is "Yes," he puts the shape in the group labeled "Yes."

For each shape, if the answer is "No," he puts the shape in the group labeled "No."

The two groups that he creates are shown below.



Which question could Louis be using to sort the shapes into groups?

- ☐ A. Does the shape have any parallel sides?
 - ☐ B. Does the shape have any perpendicular sides?
 - ☐ C. Does the shape have any acute angles?
 - ☐ D. Does the shape have any obtuse angles?
-

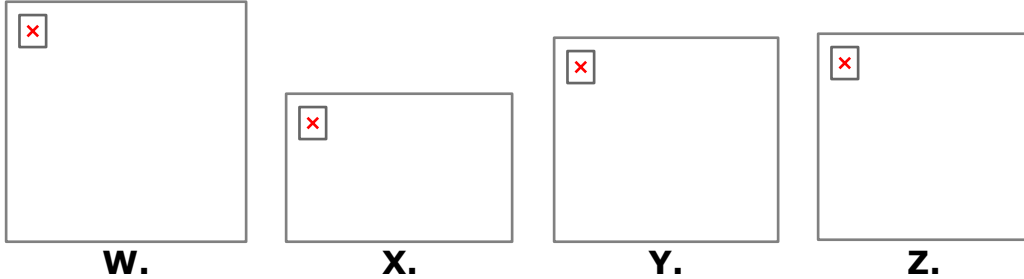
5. Which figure must have two pairs of parallel sides?

- ☐ A. parallelogram
 - ☐ B. trapezoid
 - ☐ C. quadrilateral
 - ☐ D. triangle
-

6. Leslie divides different shapes into two groups based on the rules given below.

- Group 1: Shapes that contain at least one pair of parallel sides
- Group 2: Shapes that do not contain parallel sides

Which of the following figures belong in Group 1?

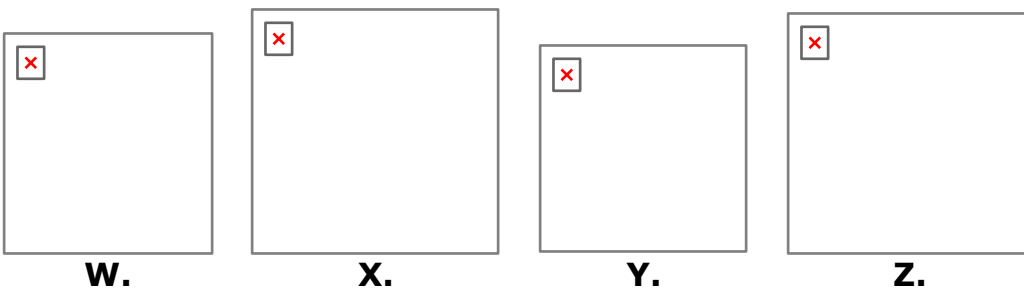


- ☒ A. only X
- ☒ B. only W
- ☒ C. W and Z
- ☒ D. Y and X
-

7. Emily divides different shapes into two groups based on the rules given below.

- Group 1: Shapes that do not contain perpendicular sides
- Group 2: Shapes that contain at least one pair of perpendicular sides

Which of the following figures belong in Group 2?



- ☒ A. only Z
- ☒ B. only X
- ☒ C. Y and X
- ☒ D. Z and W
-

8.



What kind of triangle does this appear to be?

- ☐ **A.** right triangle
 - ☐ **B.** equilateral triangle
 - ☐ **C.** isosceles triangle
 - ☐ **D.** equiangular triangle
-

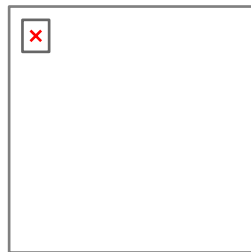
9. Which figure must have exactly one pair of parallel sides?

- ☐ **A.** trapezoid
 - ☐ **B.** rectangle
 - ☐ **C.** parallelogram
 - ☐ **D.** rhombus
-

10. Which triangle appears to be a right triangle?



W.



X.



Y.



Z.

- ☐ **A.** X
 - ☐ **B.** Z
 - ☐ **C.** W
 - ☐ **D.** Y
-