Classifying shapes worksheet

5th grade math · Geometry · 5.G.B.3

Name _____ Date _____

For grown-ups: 10 classifying shapes problems, easier ones first. Let your child try each one alone, then check together with the answer key on page 2. Circle one answer for each problem.

1. **Which quadrilateral has 4 equal sides, 2 pairs of parallel sides, and opposite angles equal?**

   ○ **trapezoid** ○ **rhombus**
   ○ **rectangle** ○ **parallelogram**

2. **Every isosceles triangle is an equilateral triangle. (Here, isosceles means at least 2 equal sides.)**

   ○ **True** ○ **False**

3. **Which triangle has exactly 2 equal sides?**

   ○ **isosceles triangle** ○ **right triangle**
   ○ **equilateral triangle**
   ○ **scalene triangle**

4. **Every rectangle is a parallelogram.**

   ○ **True** ○ **False**

5. **Every square is a parallelogram.**

   ○ **True** ○ **False**

6. **Which triangle has one 90° angle?**

   ○ **isosceles triangle**
   ○ **equilateral triangle**
   ○ **scalene triangle** ○ **right triangle**

7. **Which quadrilateral has exactly 1 pair of parallel sides?**

   ○ **trapezoid** ○ **square** ○ **rectangle**
   ○ **rhombus**

8. **Every rhombus is a parallelogram.**

   ○ **True** ○ **False**

9. **Which quadrilateral has 4 equal sides and 4 right angles?**

   ○ **trapezoid** ○ **parallelogram**
   ○ **square** ○ **rectangle**

10. **Which triangle has no equal sides?**

    ○ **right triangle** ○ **equilateral triangle**
    ○ **scalene triangle**
    ○ **isosceles triangle**

Answer key: Classifying shapes

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1. **rhombus**
   A rhombus has 4 equal sides, 2 pairs of parallel sides, and opposite angles equal.
2. **False**
   An isosceles triangle needs only two equal sides. An equilateral triangle needs all three.
3. **isosceles triangle**
   An isosceles triangle has exactly 2 equal sides.
4. **True**
   A rectangle has two pairs of parallel sides, which is what makes a parallelogram.
5. **True**
   A square has two pairs of parallel sides, so it is a parallelogram.
6. **right triangle**
   A right triangle has one 90° angle.
7. **trapezoid**
   A trapezoid has exactly 1 pair of parallel sides.
8. **True**
   A rhombus has two pairs of parallel sides, which is what makes a parallelogram.
9. **square**
   A square has 4 equal sides and 4 right angles.
10. **scalene triangle**
    A scalene triangle has no equal sides.