Shape families and triangles

Grade 5 · Shapes & Angles

Answer key The answers are filled in.

1 Ana tries to draw a triangle with a right angle and an obtuse angle. Ana says it can be done. Is Ana right?

Check one:

- [x] **No. Those two angles together open wider than a straight line, so the sides cannot meet.**
- [ ] **Yes. A triangle can have any two kinds of angles.**
- [ ] **Yes, if the triangle is big enough.**

2 A triangle has sides of 10 inches, 14 inches and 10 inches. What kind of triangle is it?

Check one:

- [ ] **equilateral**
- [x] **isosceles**
- [ ] **scalene**

3 Isla describes a shape to Cora. It is a quadrilateral with 2 pairs of parallel sides, no right angles, and 2 sides longer than the other 2. What is the shape's most specific name?

Check one:

- [ ] **rhombus**
- [ ] **rectangle**
- [x] **parallelogram**
- [ ] **quadrilateral**

4 A triangle has sides of 4 cm, 6 cm and 9 cm. It has one obtuse angle. Which name fits this triangle?

Check one:

- [ ] **obtuse isosceles triangle**
- [ ] **right scalene triangle**
- [ ] **acute scalene triangle**
- [x] **obtuse scalene triangle**