

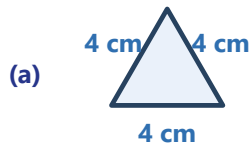
Year 4: Triangles: answers

Year 4 - Shapes, Angles and Symmetry - Lesson 9.3

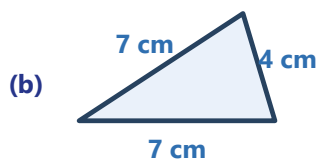
Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch09-shapes-angles-symmetry/triangles/

Exercise 9C Triangles Non-calculator

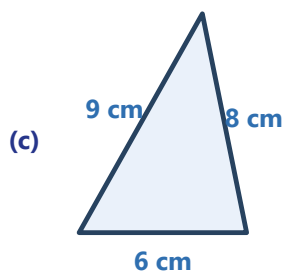
1 Name each triangle from the lengths of its sides (in cm). Write **equilateral**, **isosceles** or **scalene**.



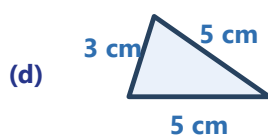
Answer: equilateral



Answer: isosceles

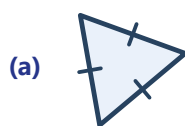


Answer: scalene



Answer: isosceles

2 Use the tick marks to name each triangle.



Answer: equilateral



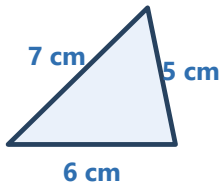
Answer: isosceles

(c)



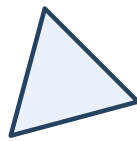
Answer: isosceles

(d)



Answer: scalene

3 Which triangle is right-angled? Write the letter.



A



B



C

Answer: B

4 Write how many equal sides each triangle has.

(a) an equilateral triangle

Answer: 3

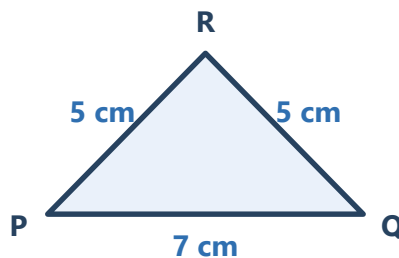
(b) an isosceles triangle

Answer: 2

(c) a scalene triangle

Answer: 0

5 Triangle PQR is drawn. (a) Which two sides are equal? (b) What kind of triangle is it?



(a) Which two sides are equal?

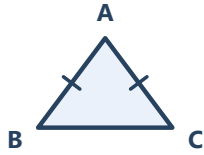
Answer: QR and RP

(b) What kind of triangle is it?

Answer: isosceles

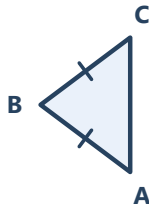
6 Each triangle is isosceles. Which two angles are equal? Write the letters.

(a)



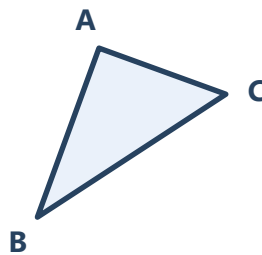
Answer: B and C

(b)



Answer: A and C

7 Which angle in the triangle is the right angle? Write the letter.



Answer: A

8 Look at these six triangles. All the sides that are equal have tick marks. How many of the triangles are...



A



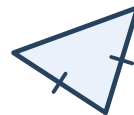
B



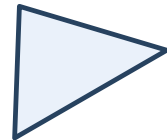
C



D



E



F

(a) equilateral?

Answer: 2

(b) isosceles?

Answer: 2

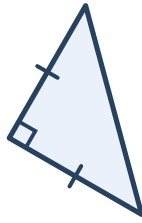
(c) scalene?

Answer: 2

9 An equilateral triangle has a perimeter of 24 cm. How long is each side?

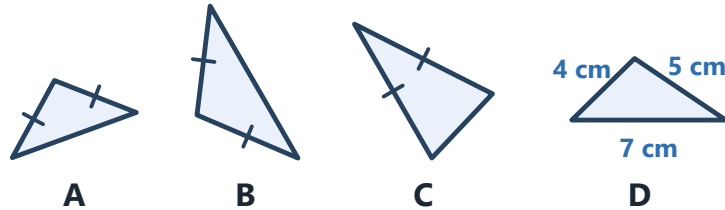
Answer: 8 cm

10 Tom draws a triangle. It has two equal sides and one right angle. What names can Tom give his triangle?



Answer: isosceles and right-angled

11 Which triangle is the odd one out? Explain your answer.



Answer: D: it is scalene, the others are isosceles

12 Write **always**, **sometimes** or **never** for each sentence.

(a) A triangle has three straight sides.

Answer: Always

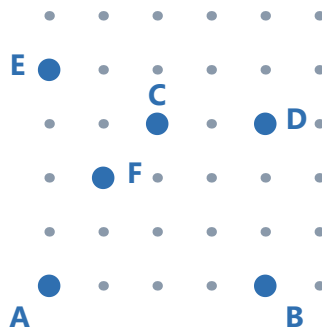
(b) A scalene triangle has a right angle.

Answer: Sometimes

(c) A triangle has two right angles.

Answer: Never

13 A and B are two corners of a triangle. The third corner is one of the points C, D, E or F on the dot grid.



(a) Which points make an **isosceles** triangle? Write the letters.

Answer: C and E

(b) Which points make a **right-angled** triangle? Write the letters.

Answer: D and E