

Classify triangles by side lengths

NAME	DATE	SCORE / 10
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1 A triangle has sides of 10 cm, 8 cm and 10 cm. What is the best name for the triangle?

- ☐ Equilateral
 ☐ Isosceles
 ☐ Scalene

2 Each answer below gives the three side lengths of a triangle. Which side lengths make a scalene triangle?

- ☐ 8 metres, 12 metres and 11 metres
 ☐ 9 metres, 15 metres and 9 metres
☐ 6 metres, 11 metres and 6 metres
 ☐ 9 metres, 9 metres and 9 metres

3 A triangle has sides of 6 centimetres, 12 centimetres and 15 centimetres. What is the best name for the triangle?

- ☐ Equilateral
 ☐ Isosceles
 ☐ Scalene

4 Each answer below gives the three side lengths of a triangle. Which side lengths make an equilateral triangle?

- ☐ 7 centimetres, 7 centimetres and 4 centimetres
☐ 6 centimetres, 6 centimetres and 10 centimetres
☐ 10 centimetres, 11 centimetres and 3 centimetres
☐ 6 centimetres, 6 centimetres and 6 centimetres

5 A triangle has sides of 9 cm, 9 cm and 9 cm. What is the best name for the triangle?

- ☐ Equilateral
 ☐ Isosceles
 ☐ Scalene

6 Each answer below gives the three side lengths of a triangle. Which side lengths make an isosceles triangle?

- ☐ 12 centimetres, 10 centimetres and 10 centimetres
 - ☐ 7 centimetres, 6 centimetres and 8 centimetres
 - ☐ 10 centimetres, 11 centimetres and 8 centimetres
 - ☐ 11 centimetres, 6 centimetres and 10 centimetres
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7 A triangle has sides of 11 metres, 15 metres and 11 metres. What is the best name for the triangle?

- ☐ Equilateral ☐ Isosceles ☐ Scalene
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8 Each answer below gives the three side lengths of a triangle. Which side lengths make a scalene triangle?

- ☐ 2 metres, 3 metres and 3 metres ☐ 8 metres, 10 metres and 7 metres
- ☐ 2 metres, 4 metres and 4 metres ☐ 3 metres, 3 metres and 3 metres
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9 A triangle has sides of 13 cm, 10 cm and 10 cm. What is the best name for the triangle?

- ☐ Equilateral ☐ Isosceles ☐ Scalene
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10 Each answer below gives the three side lengths of a triangle. Which side lengths make a scalene triangle?

- ☐ 11 metres, 10 metres and 10 metres ☐ 9 metres, 9 metres and 9 metres
- ☐ 12 metres, 22 metres and 12 metres ☐ 11 metres, 6 metres and 15 metres

Classify triangles by side lengths

1 Isosceles

3 Scalene

5 Equilateral

7 Isosceles

9 Isosceles

2 8 metres, 12 metres and 11 metres

4 6 centimetres, 6 centimetres and 6 centimetres

6 12 centimetres, 10 centimetres and 10 centimetres

8 8 metres, 10 metres and 7 metres

10 11 metres, 6 metres and 15 metres