Name: _____ Date: _____

Fresh Math

Classifying Triangles - Medium

Classify each triangle by its angles (acute, right, obtuse) or by its sides (equilateral, isosceles, scalene).

1. Side lengths: 5 cm, 21 cm, 23 cm
2. Angles: 32°, 70°, 78°
3. Angles: 29°, 43°, 108°
4. Side lengths: 5 cm, 5 cm, 7 cm
5. Side lengths: 8 cm, 8 cm, 8 cm
6. Angles: 35°, 66°, 79°
7. Side lengths: 7 cm, 7 cm, 9 cm
8. Side lengths: 7 cm, 9 cm, 9 cm
9. Side lengths: 15 cm, 18 cm, 19 cm
10. Side lengths: 6 cm, 16 cm, 19 cm

Name: _____ Date: _____

Fresh Math

Classifying Triangles - Medium

Classify each triangle by its angles (acute, right, obtuse) or by its sides (equilateral, isosceles, scalene).

11. Side lengths: 8 cm, 15 cm, 15 cm

12. Side lengths: 2 cm, 8 cm, 8 cm

13. Side lengths: 4 cm, 4 cm, 6 cm

14. Side lengths: 12 cm, 12 cm, 15 cm

15. Angles: 20°, 46°, 114°

16. Side lengths: 10 cm, 12 cm, 21 cm

17. Side lengths: 19 cm, 19 cm, 19 cm

18. Side lengths: 17 cm, 17 cm, 17 cm

19. Side lengths: 14 cm, 15 cm, 18 cm

20. Angles: 24°, 56°, 100°

Classifying Triangles - Medium - Answer Key

1. Side lengths: 5 cm, 21 cm, 23 cm
   scalene triangle
2. Angles: 32°, 70°, 78°
   acute triangle
3. Angles: 29°, 43°, 108°
   obtuse triangle
4. Side lengths: 5 cm, 5 cm, 7 cm
   isosceles triangle
5. Side lengths: 8 cm, 8 cm, 8 cm
   equilateral triangle
6. Angles: 35°, 66°, 79°
   acute triangle
7. Side lengths: 7 cm, 7 cm, 9 cm
   isosceles triangle
8. Side lengths: 7 cm, 9 cm, 9 cm
   isosceles triangle
9. Side lengths: 15 cm, 18 cm, 19 cm
   scalene triangle
10. Side lengths: 6 cm, 16 cm, 19 cm
    scalene triangle

Classifying Triangles - Medium - Answer Key

11. Side lengths: 8 cm, 15 cm, 15 cm
    isosceles triangle

12. Side lengths: 2 cm, 8 cm, 8 cm
    isosceles triangle

13. Side lengths: 4 cm, 4 cm, 6 cm
    isosceles triangle

14. Side lengths: 12 cm, 12 cm, 15 cm
    isosceles triangle

15. Angles: 20°, 46°, 114°
    obtuse triangle

16. Side lengths: 10 cm, 12 cm, 21 cm
    scalene triangle

17. Side lengths: 19 cm, 19 cm, 19 cm
    equilateral triangle

18. Side lengths: 17 cm, 17 cm, 17 cm
    equilateral triangle

19. Side lengths: 14 cm, 15 cm, 18 cm
    scalene triangle

20. Angles: 24°, 56°, 100°
    obtuse triangle