- 1. Lengths 13, 11, 10 could represent the measures of the sides of a triangle?
- 2. In triangle KLH, <K =  $40^{\circ}$  and <K > <L. Which is the smallest side of the triangle?
- 3. Two sides of an isosceles triangle measures 24 and 11. What is the possible value of the third side?
- In triangle FGH, an exterior angle at F measures  $70^{\circ}$ , and  $< G = 50^{\circ}$ . Which is the longest side of the triangle?
- 5. Lengths 16, 11, 18 could represent the measures of the sides of a triangle?
- 6. In triangle KLM, <K = 55° and <L = 40°. Which is the longest side of the triangle?
- 7. In triangle NOP,  $\langle N = 95^{\circ} \text{ and } \langle N \rangle \langle O \rangle \langle P$ . Which is the longest side of the triangle?
- 8. In  $\triangle PQR$ , PQ = 8, QR = 7, RP = 15. Which is the largest angle?
- 9. In triangle RPS, an exterior angle at R measures  $64^{\circ}$ , and <P =  $26^{\circ}$ . Which is the longest side of the triangle?
- 10. Two sides of an isosceles triangle measures 16 and 9. What is the possible value of the third side?

1. Lengths 15, 13, 12 could represent the measures of the sides of a triangle?

2. In triangle GMD, <G =  $60^{\circ}$  and <G > <M. Which is the smallest side of the triangle?

Two sides of an isosceles triangle measures 25 and 12. What is the possible value of the third side?

4. In triangle IJK, an exterior angle at I measures  $65^{\circ}$ , and  $< J = 35^{\circ}$ . Which is the longest side of the triangle?

5. Lengths 17, 10, 6 could represent the measures of the sides of a triangle?

6. In triangle OPQ,  $<0 = 50^{\circ}$  and  $<P = 35^{\circ}$ . Which is the longest side of the triangle?

7. In triangle QRS, <Q = 92° and <Q > <R > <S. Which is the longest side of the triangle?

8. In  $\Delta STU$ , ST = 7, TU = 8, US = 14. Which is the largest angle?

9. In triangle TUV, an exterior angle at T measures 62°, and <U = 28°. Which is the longest side of the triangle?

10. Two sides of an isosceles triangle measures 14 and 11. What is the possible value of the third side?

- 1. Lengths 12, 7, 3 could represent the measures of the sides of a triangle?
- 2. In triangle HDC, <H = 45° and <H > <D. Which is the smallest side of the triangle?
- Two sides of an isosceles triangle measures 26 and 10. What is the possible value of the third side?
- In triangle LMN, an exterior angle at L measures  $60^{\circ}$ , and  $< M = 30^{\circ}$ . Which is the longest side of the triangle?
- 5. Lengths 14, 13, 16 could represent the measures of the sides of a triangle?
- 6. In triangle RST, <R = 55° and <S = 40°. Which is the longest side of the triangle?
- 7. In triangle TUV, <T = 96° and <T > <U > <V. Which is the longest side of the triangle?
- 8. In  $\Delta XYZ$ , XY = 9, YZ = 13, ZX = 11. Which is the largest angle?
- 9. In triangle WXY, an exterior angle at W measures  $68^{\circ}$ , and <X =  $22^{\circ}$ . Which is the longest side of the triangle?
- 10. Two sides of an isosceles triangle measures 7 and 16. What is the possible value of the third side?

- 1. Lengths 16, 9, 15 could represent the measures of the sides of a triangle?
- 2. In triangle SLR, <S = 55° and <S > <L. Which is the smallest side of the triangle?
- Two sides of an isosceles triangle measures 22 and 12. What is the possible value of the third side?
- In triangle ABC, an exterior angle at A measures  $90^{\circ}$ , and <B =  $45^{\circ}$ . Which is the longest side of the triangle?
- 5. Lengths 18, 6, 9 could represent the measures of the sides of a triangle?
- 6. In triangle UVW, <U = 56° and <V = 42°. Which is the longest side of the triangle?
- 7. In triangle ABC, <A = 88° and <A > <B > <C. Which is the longest side of the triangle?
- 8. In  $\Delta DEF$ , DE = 15, EF = 12, FD = 12. Which is the largest angle?
- 9. In triangle JKL, an exterior angle at J measures 70°, and <J = 25°. Which is the longest side of the triangle?
- 10. Two sides of an isosceles triangle measures 10 and 18. What is the possible value of the third side?

1. Lengths 15, 10, 26 could represent the measures of the sides of a triangle?

2. In triangle KFD, <K = 58° and <K > <F. Which is the smallest side of the triangle?

Two sides of an isosceles triangle measures 26 and 11. What is the possible value of the third side?

4. In triangle RST, an exterior angle at R measures  $98^{\circ}$ , and  $<S = 35^{\circ}$ . Which is the longest side of the triangle?

5. Lengths 14, 5, 12 could represent the measures of the sides of a triangle?

6. In triangle XYZ, <X = 52° and <Y = 44°. Which is the longest side of the triangle?

7. In triangle GHI, <G = 83° and <G > <H > <I. Which is the longest side of the triangle?

8. In  $\Delta$ MNO, MN = 14, NO = 18, OM = 11. Which is the largest angle?

9. In triangle PQR, an exterior angle at P measures 75°, and <Q = 35°. Which is the longest side of the triangle?

10. Two sides of an isosceles triangle measures 9 and 16. What is the possible value of the third side?