TARGET   To find unknown angles in triangles and quadrilaterals.
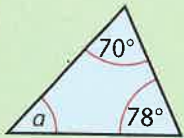
The sum of the angles in a triangle is 180°.

The sum of the angles in a quadrilateral is 360°.

A

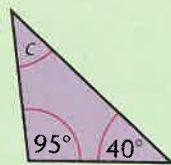Find the missing angles.

1. 70°, a, 78°
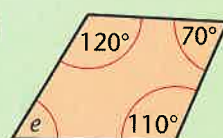
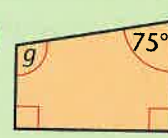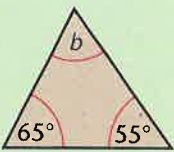2. b, 65°, 55°

3. c, 95°, 40°

4. 70°, d, d

5. 120°, 70°, e, 110°

6. f, 80°, 80°

7. g, 75°

8. h, 70°, 100°, 105°

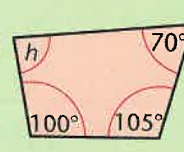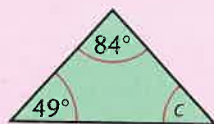## B

Find the missing angles.

1. a, 54°, 59°

2. 65°, b, 42°

3. 84°, 49°, c

4. 102°, d, d

5. e, 67°, 135°

6. 74°, 67°, f, 116°

7. 56°, g, 44°, 53°

8. 100°, h, h, 132°
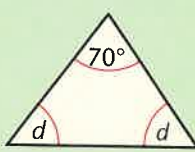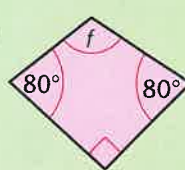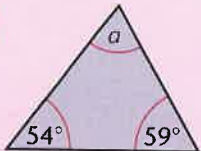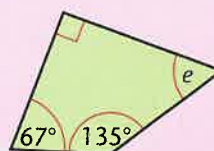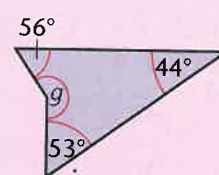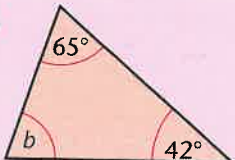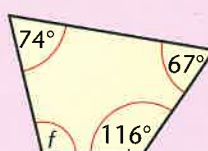
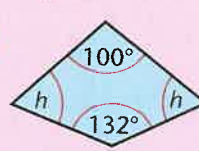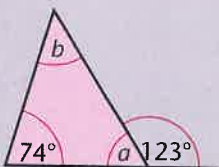## C
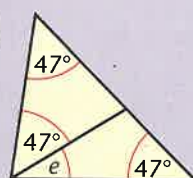
Calculate the missing angles.

1. b, 74°, a, 123°

2. 32°, 76°, c, d

3. 47°, 47°, e, 47°

4. f, g, 48°, 77°, 58°

5. 116°, h, 63°, 105°

6. 53°, i, 59°, 78°

7. 46°, j, 117°, 82°, 76°

8. 69°, 96°, i, k, 86°, 64°