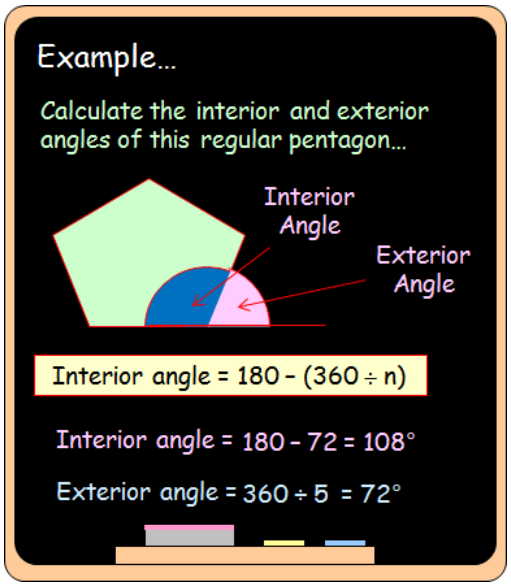
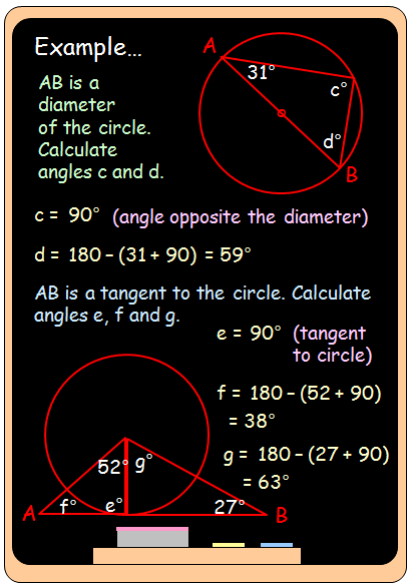
Outcome 1 – Interior/exterior angles in polygons, triangles in semi-circles/tangents to circles and right-angles/isosceles triangles

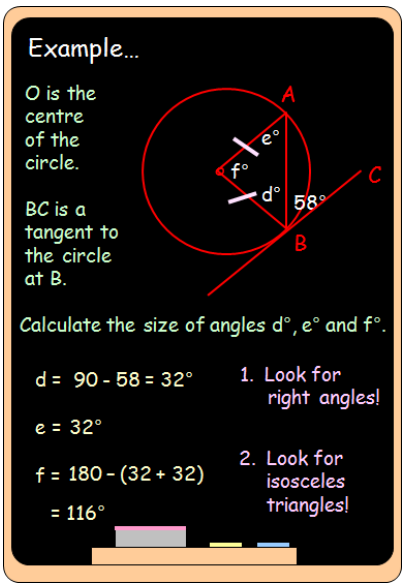
Bronze example



Silver examples



Gold example



Bronze Questions

Calculate the interior and exterior angles of the following regular polygons...

1. DECAGON
2. OCTAGON
3. HEXAGON
4. DODECAGON

Silver Questions

Calculate the value of the missing angles in the circles below...

1. h°, i°, 62°
2. k°, j°, 47°, 71°, l°, m°
3. p°, n°, 53°, q°
4. 124°, s°, r°, t°

Gold Questions

Calculate the value of the missing angles in the circles below...

1. e°, d°, 64°
2. f°, 35°, g°
3. 11°, h°, i°
4. 29°, j°, k°

Bronze Answers

1. 144°, 36°
2. 135°, 45°
3. 120°, 60°
4. 150°, 30°

Silver Answers

h = 90°, i = 28°, j = 90°, k = 19°, l = 90°, m = 43°,
n = 90°, p = 37°, q = 127°, r = 90°, s = 56°, t = 34°

Gold Answers

d = 26°, e = 128°, f = 55°, g = 20°,
h = 158°, i = 79°, j = 122°, k = 61°

