

### Starter Activity

1 Work out  $0.23 \times 0.2$

2 Work out  $0.442 \times 0.00004$

3 Work out  $0.00834 \times 0.0002$

4 Work out  $0.0918 \times 0.007$

5 Put these in order

$$\frac{3}{5} \quad 61\% \quad 0.604 \quad \frac{3}{50} \quad 0.5137$$

6 Put these into order

$$0.7 \quad \frac{3}{4} \quad 68\% \quad \frac{4}{9} \quad 0.0713$$

7 A polygon with 4 sides is called a what?

8 What is a polygon with 9 sides called?

9 What is the exterior angle of a regular hexagon?

10 What is the exterior angle of a regular octagon?

11 Describe a scalene triangle.

12 Factorise fully  $9x^3y^2 + 15x^3y^4 - 18x^3y^2$

13 Factorise fully  $15y^2 + 20x^4y^5 - 35x^3t^4$

14 Expand and simplify  $6w(3w + q)$

15 Expand and simplify  $7p(5 + 4q)$

16  $\frac{2}{5} + \frac{3}{7} =$

17  $\frac{8}{11} - \frac{4}{5} =$

18  $\frac{7}{10} \times \frac{5}{8} =$

19  $7\frac{3}{5} - 1\frac{5}{6} =$

20  $5\frac{4}{5} \div 2\frac{1}{4} =$