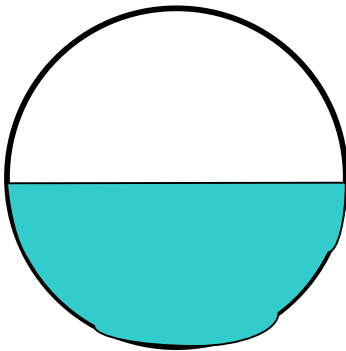
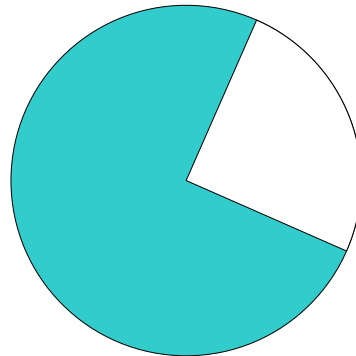


Starter Activity

- 1 Write 40% as a fraction.
- 2 Write 0.2 as a fraction.
- 3 Write 0.087 as a fraction.
- 4 Write $\frac{2}{5}$ as a decimal.
- 5 What is 6^2 ?
- 6 What is 12^2 ?
- 7 What is 15^2 ?
- 8 What is 7^3 ?
- 9 What is a eight sided polygon called?
- 10 What is a twelve sided polygon called?
- 11 How many sides has a quadrilateral?
- 12 How many sides has a decagon?
- 13 Name the shaded areas on the shape below:



a



b

- 14 Find the value of the following:
 - a. $48 \div (2 + 6) =$
 - b. $4 \times 3 + 7 =$
 - c. $5 + 6 \times 5 =$
 - d. $8 \times 4 + 3 \times 5 =$
 - e. $12 + 8 \div 2 - (4 - 2) =$
- 15 A cuboid has a length of 5cm, a width of 6cm and a height of 3cm. What is the volume of the cuboid?
- 16 Bill, Samantha and John share some sweets in the ratio 5:7:3. Samantha gets 12 more sweets than John. How many sweets are there altogether?
- 17 Evelyn goes to bed at 7:30pm. She goes to sleep an hour and three quarters later. She wakes at 6:36am the next morning. For how many minutes has she slept?
- 18 After three years, I had paid off 12% of my mortgage. If I paid £240,000 for my house, how much do I still owe on the property?
- 19 I put £800 in a savings account. The account paid 5% interest per annum. Assuming I neither deposited nor withdrew any money from the account, how much did I have after 3 years?
- 20 Factorise fully the expression $8x^2 + 24xy$