Starter Activity
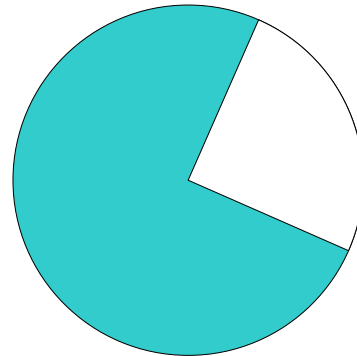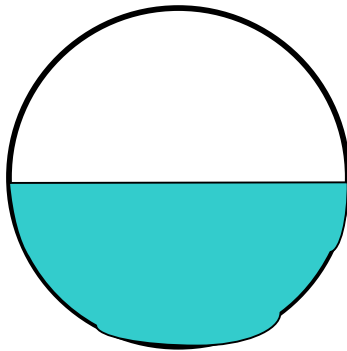
1. Write 35% as a fraction.
2. Write 0.26 as a fraction.
3. Write 0.04 as a fraction.
4. Write $\frac{7}{10}$ as a decimal.
5. What is 8^2?
6. What is 14^2?
7. What is 11^2?
8. What is 7^0?
9. What is a six sided polygon called?
10. What is a seven sided polygon called?
11. How many sides has a trapezium?
12. How many lines of symmetry has a kite?
13. Name the shaded areas on the shape below:

a   b

14. Find the value of the following:
    a. $64 \div (10 - 6) =$
    b. $7 \times 5 + 9 =$
    c. $4 + 7 \times 3 =$
    d. $12 \times 4 + 4 \times 5 =$
    e. $12 + 16 \div (6 - 2) =$
15. A cuboid has a length of 6cm, a width of 4cm and a height of 2cm. What is the volume of the cuboid?
16. Bill, Samantha and John share some sweets in the ratio 8:5:7. Samantha gets 12 fewer sweets than John. How many sweets are there altogether?
17. Zara wakes up at 6:30am. It takes her 35 minutes to eat breakfast and get ready and then a further 52 minutes to walk to school. At what time does she get to school?
18. Benji bought a stereo system for £350. He paid 20% deposit and the remainder as 6 equal monthly payments. How much was each monthly payment?
19. I put £4000 in a savings account. The account paid 6% interest per annum. Assuming I neither deposited nor withdrew any money from the account, how much did I have after 7 years?
20. Factorise fully the expression $24x^3 + 60x^2y$