Starter Activity
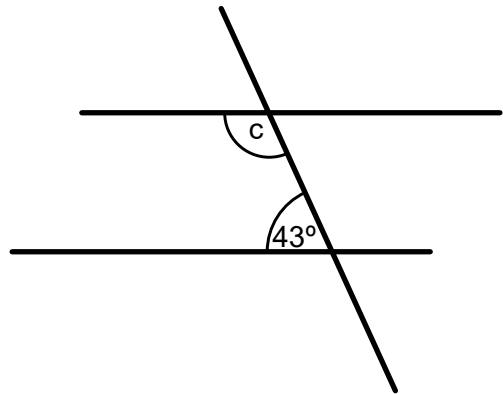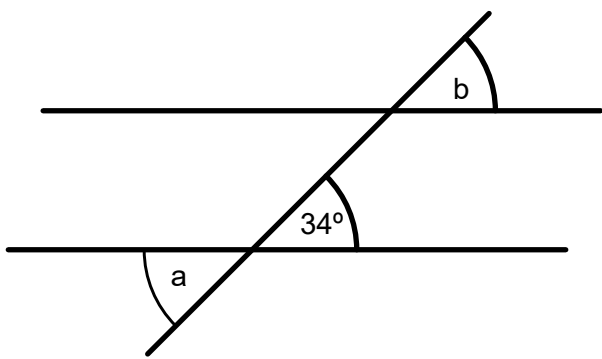
1. Write 4% as a fraction.
2. Write 0.45 as a fraction.
3. Write 0.23 as a fraction.
4. Write $\frac{4}{5}$ as a decimal.
5. What is 5^3?
6. What is 13^2?
7. What is 2^3?
8. What is 7^2?
9. What is a six-sided polygon called?
10. What is a four-sided polygon called?
11. Describe a rectangle
12. How many sides does an octagon have?
13. Give the size of each of the angles shown and the reason you know.

14. Find the value of the following:
    a. $37 + 20 \div 5 =$
    b. $7 + 24 \div 6 =$
    c. $7 + 43 - 3 =$
    d. $12 \div 4 + 3 \times 11 =$
    e. $6 + 15 \div (35 \div 7) =$
15. A cuboid has a length of 4cm, a width of 5cm and a height of 3cm. What is the volume of the cuboid?
16. Billy, Jonathan and Boris share 120 sweets in the ratio 4:2:6. How many sweets does each person get?
17. Betty goes to meet her friend. She catches the bus at 8:47am. The bus journey lasts 29 minutes. It takes 17 minutes for Betty to walk to the café where she waits for 6 minutes until her friend arrives. Betty has to leave the café at 11:35 in order to catch her bus home. For how many minutes is Betty with her friend?
18. Work out 0.03×0.805
19. How many days are there between 3rd March and the 17th July?
20. Factorise fully the expression $28p^8q^4 + 16p^3q^4$