Starter Activity
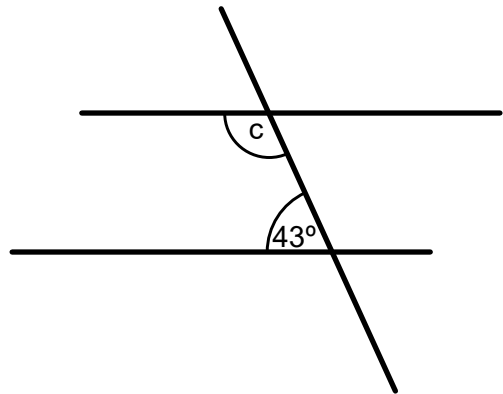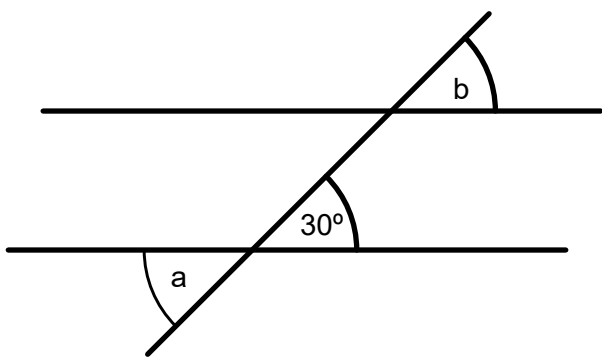
1   Write 7% as a fraction.
2   Write 0.3 as a fraction.
3   Write 0.0014 as a fraction.
4   Write $\frac{3}{20}$ as a decimal.
5   What is 11^2?
6   What is 14^2?
7   What is 8^2?
8   What is 9^2?
9   What is a ten sided polygon called?
10   What is a five-sided polygon called?
11   Describe a rhombus
12   How many sides does a quadrilateral have?
13   Give the size of each of the angles shown and the reason you know.

14   Find the value of the following:
     a. $23 + 20 \div 5 =$
     b. $7 + 4 \times 6 =$
     c. $7 + 3 - 12 =$
     d. $8 \div 2 + 4 \times 11 =$
     e. $8 + 30 \div (16 \div 8) =$
15   A cuboid has a length of 5cm, a width of 2.5cm and a height of 3.5cm. What is the volume of the cuboid?
16   Billy, Jonathan and Boris share 80 sweets in the ratio 3:5:8. How many sweets does each person get?
17   Charlie goes to bed at 8.23 pm. It takes him 45 minutes to drop off to sleep. He wakes when his alarm goes off at 6:15am. How many minutes sleep has he had?
18   Work out 0.004×0.472
19   How many days are there between 3rd December and the 12th February?
20   Factorise fully the expression $28pq^4 + 16p^2q^3$