

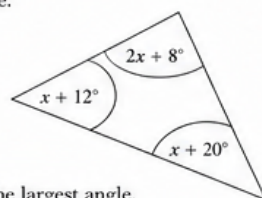
Name: _____

Date: _____

1. Mia is 4 years older than Ben.
Noah is twice as old as Ben
The total of their ages is 40.
How old is Mia?

13 years (3)

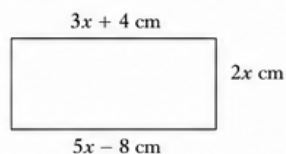
2. Below is a triangle.



Find the size of the largest angle.

84° (3)

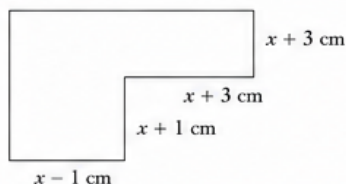
3. Below is a rectangle.



Work out the area.

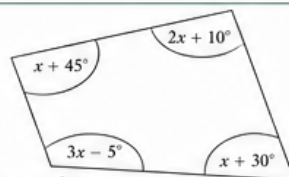
112 cm² (4)

4. The perimeter of the below shape is 52 cm.
Work out the value of x .



$x = 6$ (3)

5. Below is a quadrilateral.

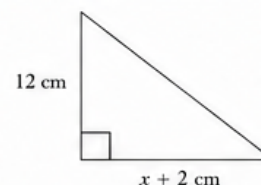


Work out the size of the smallest angle.

70° (4)



6. The area of the below triangle is 42 cm².
Work out the value of x .



$x = 5$ (3)

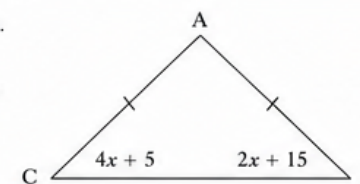
7. Three consecutive integers add up to 72.
Form and solve an equation to find the numbers.

23, 24, 25 (3)

8. A taxi company charges a £3 fixed fee plus £2 per mile.
A journey costs £19.
Form and solve an equation to find how many miles were travelled.

8 miles (2)

9. ABC is an isosceles triangle.
AC = AB
Find the size of angle CAB



40° (4)

10. Sam buys 4 notebooks costing £ x each and a calculator costing £12.
He spends £36 altogether.
Form and solve an equation to find the cost of one notebook.

£6 (2)

11. A balance scale is level.
One side has 3 identical boxes and a 5 kg bag.
The other side has 2 identical boxes and an 11 kg bag.
Each box weighs x kg.
Find the value of x .

$x = 6$ (3)

12. A polygon has 8 sides.
Each interior angle is 15° bigger than the previous one.
Find the size of the largest angle.

162.5° (5)

