

'think of a number' and other equations to solve

(1) Jo thinks of a number.
He divides it by 5 and then adds 23 to the result.
This makes 35.

What number did Jo start with?

(2) Abbie thinks of a number.
She adds 12 then divides the result by 2.
This makes 34.

What number did Abbie start with?

(3) Jess thinks of a number.
He adds 4.
He multiplies his result by 3 and then subtracts 9 from this result.
This makes 90.

What number did Jess start with?

(4) Sam thinks of a number.
She multiplies it by 5 and then subtracts 60 from the result.
This makes the number he started with.

What number did Sam start with?

(5)

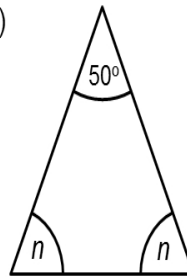
n	$5n - 2$
10	?
?	28

(6)

(a) $5(18 + \square) = 105$

(b) $6 + \square \times 2 = 36$

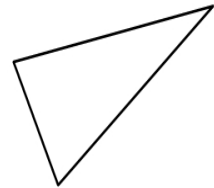
(7)



An isosceles triangle has one of the angles being 50°

Calculate the size of angle n

(8)



An isosceles triangle has a perimeter of 20cm.

the two longer sides are twice as long as the shorter side.
How long are the sides?