

Algebra and Ratio Unit 1

SATS-style questions

1

In this sequence, the rule to get the next number is

Multiply by 2, then add 5

Write the missing numbers.

25

55

2

A venue sells tickets for a concert online.

Each ticket costs £18.

There is a £3 charge for buying tickets.

Which of these shows how to calculate the total cost, in pounds?

Tick **one**.

number of tickets \times 3 + 18

number of tickets \times 18 + 3

number of tickets + 3 \times 18

number of tickets + 18 \times 3

3

Sam says,

I had £20
I gave some money away.



Which expression shows how much money Sam has left?

a is the amount of money, in pounds, that Sam gave away.

Tick one.

$20 + a$

$20 \div a$

$a - 20$

$20 - a$

$a \times 20$

4

$$x + 2y = 14$$

x and y are whole numbers less than 10.

What could x and y be?

 $x =$ $y =$