

Mark schemes

1.

Award **ONE** mark for the correct box ticked, as shown:

Tick **one**.

$10 + a$

$10 \div a$

$a - 10$

$10 - a$

$a \times 10$

Accept alternative unambiguous positive indication of the correct answer, e.g. Y.

[1]

2.

27

[1]

3.

16

[1]

4.

Award **ONE** mark for any pair of whole numbers less than 10 that satisfy the equation, i.e.

$x = 8 \text{ AND } y = 6$

OR

$x = 6 \text{ AND } y = 7$

OR

$x = 4 \text{ AND } y = 8$

OR

$x = 2 \text{ AND } y = 9$

[1]

5.

(a) 302

1

(b) 49

2

or

Shows or implies a correct first step of algebraic manipulation that either reduces the number of terms **or** collects variables on one side of the equation and numbers on the other, eg:

- $2s = 100 - 2$
- $s = 98 \div 2$

! Correct embedded solutions

Award 1 for a response which shows

49 as the embedded solution to their working

OR

Shows or implies a complete correct method, eg:

- $(100 - 2) \div 2$

1

[3]