

Q1. (2023)

8

$$(a - 3)x^2 + 2b = 5x^2 + 12$$

Work out the values of a and b .

[2 marks]

$$a = \quad b = \quad$$

Q2. (2024)

3

A chef has a tub of blueberries.

She wants to

use all the blueberries

put the same number of blueberries on each dessert.

$$D = \frac{k}{b}$$

 D is the number of desserts. b is the number of blueberries on each dessert.

(A)

3 (a) What does the constant k represent?

Tick the correct box.

[1 mark]

☐

The number of blueberries in the tub

☐

The number of desserts

☐

The number of blueberries on each dessert

☐

None of the above

(B)

3 (b) Complete the table.

[2 marks]

b	2	6	
D	120		30