

- 9 (a) Hannah has a four-sided spinner labelled 1, 2, 3 and 4.
She spins it 50 times.
Her results are shown in the table.

Number	1	2	3	4
Frequency	13	16	12	9

Find the experimental probability of getting

- (i) 1,

(a)(i) [1]

- (ii) 3 or 4.

(ii) [2]

- (b) David has another four-sided spinner labelled 21, 22, 23 and 24.
He spins this 8 times.
His results are shown below.

24 22 24 21 23 22 24 22

Work out the mean.

(b) [2]

5

10 This is the recipe for Blueberry muffins.

BLUEBERRY MUFFINS

(Makes 12)

50 g margarine
75 g sugar
2 eggs
250 g flour
175 g blueberries
250 ml milk

- (a) Floyd makes 24 muffins.

How many grams of blueberries does he use?

(a)g [1]

- (b) Mike uses 125 ml of milk.

How many muffins is he making?

(b) [REDACTED] [U]

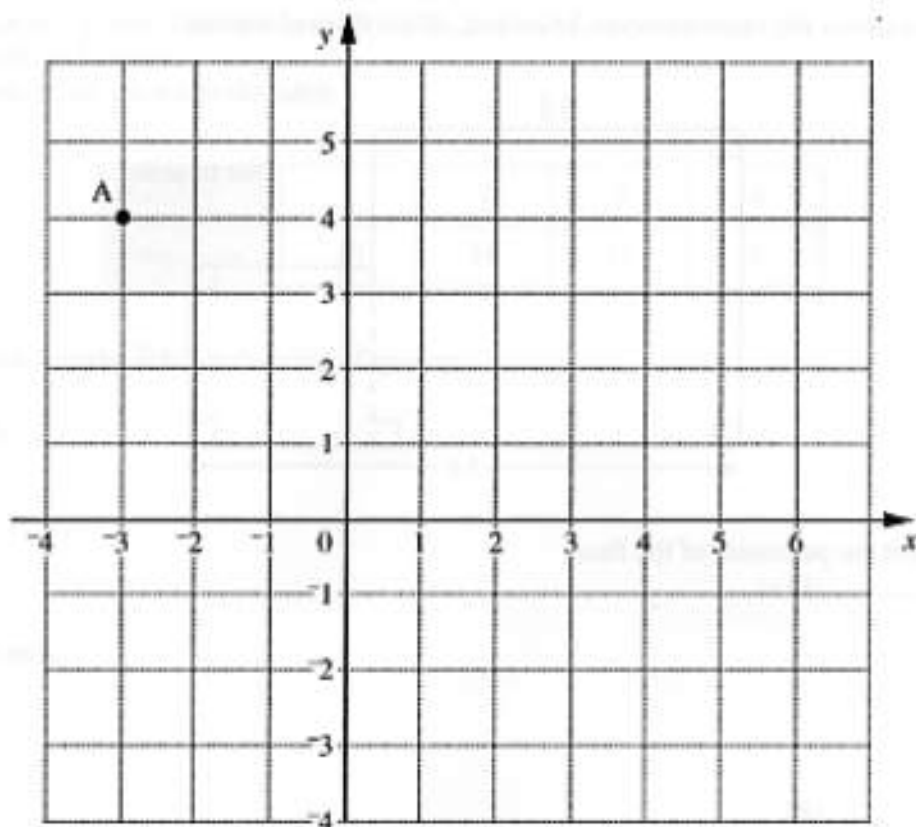
- (c) Jean makes 18 muffins.

How much margarine does she use?

(c)g [2]

4	
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11



The point A has been plotted on the grid.

(a) Plot these points on the grid.

$B(5, 4)$ $C(-3, 1)$

[1]

(b) Join the points A, B and C to make a triangle.

What type of triangle is ABC?

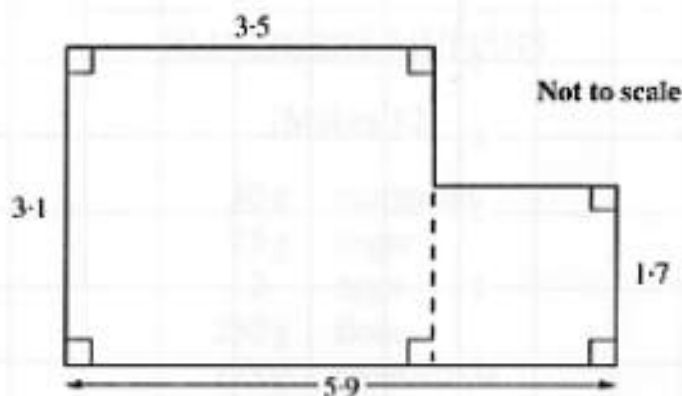
(b) [1]

(c) Write down the coordinates of the midpoint of the line AB.

(c) (.....,) [1]

3

12 The diagram shows the measurements, in metres, of the floor of a room.



(a) Work out the perimeter of the floor.

(a)m [2]

(b) Work out the area of the floor.

(b) [4]

6

- 13 (a) A rubber costs r pence.
Abigail bought a rubber.
She paid with a fifty pence coin.

Write down an expression for the change she should receive.

(a)pence [1]

- (b) A chocolate bar costs x pence.
A bag of sweets costs y pence.

Sasha bought 3 chocolate bars and 2 bags of sweets.

Write down an expression for the total cost.

(b)pence [2]

TURN OVER FOR QUESTION 14

- 14 The cash price of a television is £650.

CREDIT TERMS:

Deposit 12% of the cash price

plus

18 payments of £38.50

Carla buys the television on credit.

Work out how much the television will cost her altogether.

£ [4]

4