

- 1 (a) $\frac{1}{4}$ of this shape has been shaded.



Write $\frac{1}{4}$ as a percentage.

(a)% [1]

- (b) (i) Shade $\frac{3}{10}$ of this rectangle.



[1]

- (ii) Write $\frac{3}{10}$ as a decimal.

(b)(ii) [1]

3	
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- 2 (a) A carton of yoghurt contains 2.3 g of fat.

How much fat is there in a pack of 6 yoghurts?

(a)g [2]

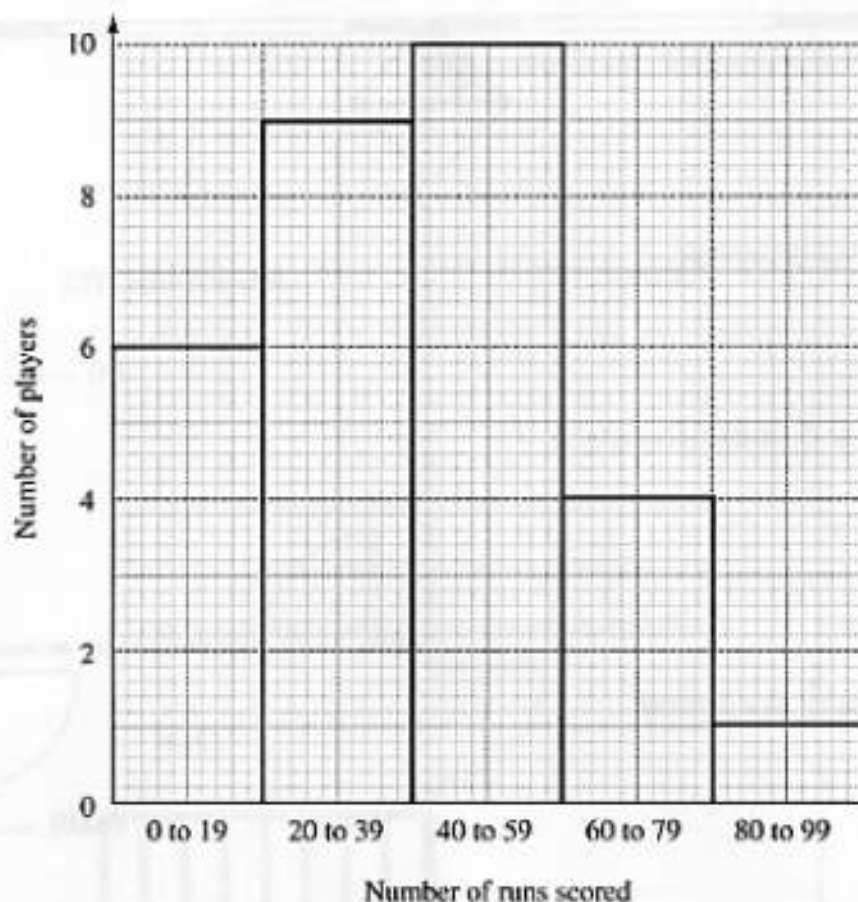
- (b) A pack of 4 trifles contains 27.2 g of fat.

How much fat is there in 1 trifle?

(b)g [2]

4	
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- 3 This chart shows the number of runs scored by some cricket players.



- (a) How many players scored 20 to 39 runs?

(a)[1]

- (b) Is it possible to say how many players scored 50 runs?
Give a reason for your answer.

..... because[1]

2

- 4 There are 10 books in a pack.
Each pack costs £1.80.

(a) Work out the cost, in pence, of one book.

(a)p[2]

(b) A school orders 100 packs of these books.

Work out the cost of 100 packs.

(b) £[2]

(c) The maths department buys 600 books.

(i) 50% have red covers.

How many is this?

(c)(i)[1]

(ii) 25% have blue covers.

How many is this?

(ii)[1]

6

- 5 Mandeep has 7 yellow and 4 red counters in a bag.
He adds some more red counters to the bag.
The probability of picking a red counter without looking is now $\frac{1}{2}$.

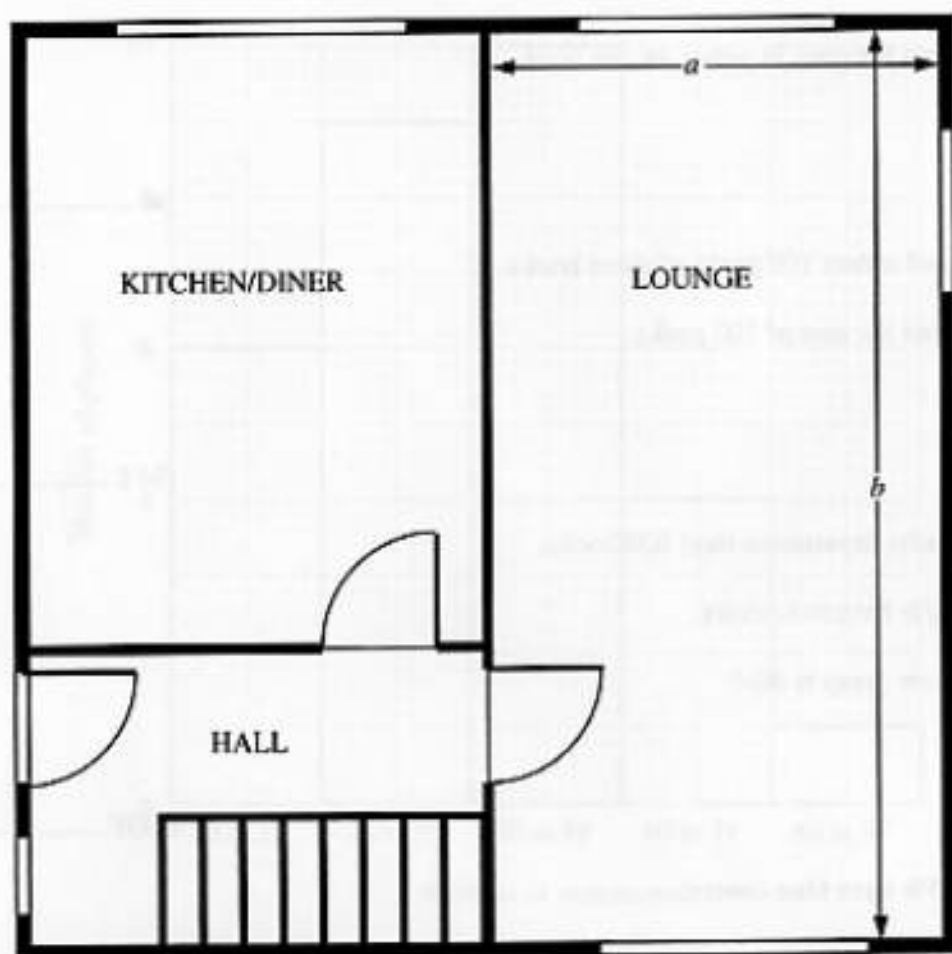
How many red counters did he add to the bag?
Explain how you know this.

..... red counters

[2]

2

- 6 This is a plan of the ground floor of Maria's home.



Scale: 2 cm to 1 metre

- (a) (i) What is the real width, marked a , of the lounge?

(a)(i)m[1]

- (ii) What is the real length, marked b , of the lounge?

(ii)m[1]

- (b) Work out the area of the real lounge.

(b)[3]

- (c) The hall is 3 m long.
Maria thinks that 3 m is about 15 feet.

Is she correct?

Give a reason for your answer.

..... because [1]

6

- 7 Dave is buying this camera.



Work out 15% of £600.

£ [2]

2

You are not allowed to take a calculator to Section A of this paper.

FOR EXAMINER'S USE

Section A

Section B

Total