2.65-4 Data and Probability: Practice Set 4: 10-minute Pack

Total Marks

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Priya kept a pictogram of how many books she and her friends read in June. The key was: one full book symbol = 4 books, and a half symbol = 2 books. The pictogram showed: Priya 3 symbols, Kwame 2 symbols and a half, Freya 4 symbols, Declan 1 symbol and a half.

How many books did Kwame read?
A) 8 B) 9 C) 10 D) 12

(1)

---

2 A quiz team scored the following number of points in 7 rounds: 8, 5, 8, 6, 8, 3, 7.

What is the mode of these scores?

(1)

---

3 Seven pupils took part in a cricket ball throwing competition. Here are the distances they threw, in metres: 24, 31, 18, 27, 35, 22, 29.

Find the median distance thrown.

(2)

© Revision Library | revisionlibrary.co.uk

4 Five volunteers each recorded the amount of money raised from raffle ticket sales at a school fete: £14, £9, £12, £20, £15.

Work out the mean amount raised per volunteer.

(2)

---

5 The mean number of runs scored by 6 batters in a junior cricket match was 18. Five of the batters scored 12, 25, 9, 31 and 14 runs.

Work out how many runs the sixth batter scored.

(3)

---

6 Using the same pictogram of books read in June (Priya 3 symbols, Kwame 2 symbols and a half, Freya 4 symbols, Declan 1 symbol and a half; key: 1 symbol = 4 books, half symbol = 2 books), answer the following.

(a) How many books did Declan read? **(1)**

.....

(b) How many more books did Freya read than Priya? **(2)**

.....

© Revision Library | revisionlibrary.co.uk

Mark scheme · 2.65-4 Data and Probability: Practice Set 4: 10-minute Pack

Question 1

C (10) cao **B1**

Answer: C) 10

Question 2

8 cao **B1**

Answer: 8

Question 3

correctly orders the seven values: 18, 22, 24, 27, 29, 31, 35 **M1**

27 m oe cao **A1**

Answer: 27 m

Question 4

14 + 9 + 12 + 20 + 15 = 70 (or a valid attempt to sum all five values) **M1**

£14 cao **A1**

Answer: £14

Question 5

18 x 6 = 108 **M1**

108 - (12 + 25 + 9 + 31 + 14), dependent on the first M1 **dM1**

17 cao **A1**

Answer: 17 runs

Question 6

(a) 6 cao **B1**

(a) Answer: 6

(b) Freya = 16 and Priya = 12 identified oe **M1**

(b) 4 cao **A1**

(b) Answer: 4 books

© Revision Library | revisionlibrary.co.uk