3.20 Two Way Tables: 10-minute Pack

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Miss Wallace surveyed the pupils in Year 7 and Year 8 about how they travel to school. Some of the results are shown in the two-way table below.

Method of travel to school

	Walk	Cycle	Total
Year 7	9	6	
Year 8		9	
Total			35

(a) Complete the two-way table. **(5)**

(b) Write down the number of Year 8 pupils who cycle to school. **(1)**

.....

(c) One pupil is chosen at random from Year 8. Find the probability that this pupil walks to school. **(2)**

.....

(Total for Question 1 is 8 marks)

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Mark scheme · 3.20 Two Way Tables: 10-minute Pack

Question 1

(a) Year 7 Total = 15 cao **B1**

(a) Year 8 Total = 20 cao **B1**

(a) Year 8 Walk = 11 cao **B1**

(a) Walk column Total = 20 cao **B1**

(a) Cycle column Total = 15 cao **B1**

(a) Answer: Year 7 Total = 15, Year 8 Total = 20, Year 8 Walk = 11, Walk Total = 20, Cycle Total = 15

(b) 9 cao **B1**

(b) Answer: 9

(c) 11/20 oe (their Year 8 Walk over their Year 8 Total) **M1**

(c) 11/20 cao **A1**

(c) Answer: 11/20

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