

2.4 Answers

GCSE Mathematics Probability

2.4.1 Solution (Introductory Example)

(i)	10%	(ii)	50%	(iii)	30%
(iv)	40%	(v)	40%	(vi)	100%

[6 marks]

2.4.2 Solution (Exercise)

Answer 1

(i)	10%	(ii)	20%	(iii)	40%
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[3 marks]

Answer 2

(i)	15%	(ii)	55%	(iii)	45%
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[1, 1, 1 marks]

(iv)	95%
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[2 marks]

Answer 3

50%

[1 mark]

Answer 4

(i)	40%	(ii)	60%	(iii)	60%
(iv)	40%	(v)	40%	(vi)	20%

[6 marks]

Answer 5

75%

[1 mark]

Answer 6

Percentage probabilities lie between 0% and 100%.

120% is not a probability that makes sense.

[1 mark]

Answer 7

(i)	25%	(ii)	37.5%	(iii)	50%
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[3 marks]

Answer 8

(i) $\frac{2}{25}$

(ii) $\frac{6}{25}$

(iii) $\frac{8}{25}$

(iv) $\frac{24}{25}$

[4 marks]

Answer 9

(i) 40%

(ii) 14%

(iii) 15%

(iv) 16%

[4 marks]

List : $\frac{7}{50}, \frac{3}{20}, \frac{4}{25}, \frac{2}{5}$

[2 marks]

Answer 10

(i) 25%

(ii) 37.5%

(iii) 37.5%

[6 marks]

Answer 11

63%

[1 mark]

Answer 12

307 people.

[3 marks]