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| **Finding Probability from Two-Way Tables** |
| **(a)** | **(b)** |
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| The two-way table shows some information about the favourite subjects of some Year 10 and 11 students. |  | Art | Music | Drama | Total |
| Year 10 |  |  | 33 | 88 |
| Year 11 | 49 | 24 |  |  |
| Total |  | 45 |  | 180 |

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| The two-way table shows the favourite holiday destination of some people in their twenties. |  | France | Italy | Spain | Total |
| Age 20 to 24 |  | 28 |  | 148 |
| Age 25 to 29 | 44 |  |  | 110 |
| Total |  | 59 | 136 |  |

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| (a) Complete the two-way table.(b) A student is chosen at random. Find the probability that their favourite subject is Music.(c) A student is chosen at random. Find the probability that they are a Year 11 student whose favourite subject is Drama. |  | (a) Complete the two-way table.(b) A person is chosen at random. Find the probability that they are aged between 25 and 29.(c) A person is chosen at random. Find the probability that they are aged 20 to 24 and their favourite destination is Spain. |  |
| **(c)** | **(d)** |
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| The two-way table shows some information about the favourite fruits of two reception classes. |  | Apple | Orange | Banana | Total |
| Class 1 |  | 11 |  | 28 |
| Class 2 | 6 |  | 9 |  |
| Total | 10 | 21 |  |  |

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| The two-way table shows some information about languages studied by Year 7 and 8 students. |  | French | German | Spanish | Total |
| Year 7 |  | 45 |  | 145 |
| Year 8 |  | 52 | 73 |  |
| Total | 86 |  |  | 310 |

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| (a) Complete the two-way table.(b) A student is chosen at random. Find the probability that they are a student from Class 1 who likes bananas.(c) A student from Class 2 is chosen at random. Find the probability that their favourite fruit is apple. |  | (a) Complete the two-way table.(b) A student is chosen at random. Find the probability that they are a Year 8 student who studies French or German.(c) A student who studies Spanish is chosen at random. Find the probability that they are in Year 7. |  |