**Pictograms**

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| --- | --- | --- |
| Name : | Class : | Date : |

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| **1)** The pictogram below shows favourite flavours of crisps in a survey of school children.

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|   | Key: http://www.mathster.com/assessment/qimages/walkers25.png= 2 children |
|  |

|  |  |
| --- | --- |
| Salt and Vinegar | http://www.mathster.com/assessment/qimages/walkers30.png |
| Cheese and Onion | http://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.png |
| Plain | http://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.png |
| Smoky Bacon | http://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.png |
| Barbecue | http://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.pnghttp://www.mathster.com/assessment/qimages/walkers30.png |

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| --- | --- | --- |
| a) | How many children prefer Salt and Vinegar? |  |
|  |
| b) | Which flavour was preferred by 12 children? |  |
|  |
| c) | Which is the most popular flavour of crisps? |  |
|  |
| d) | How many children were surveyed? |  |

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      | [1]   |
| **2)** The pictogram below shows favourite flavours of crisps in a survey of school childrenKey: http://www.mathster.com/assessment/qimages/walkers25.png= 4 children

|  |  |
| --- | --- |
| Barbecue | http://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.png |
| Spicy Tomato | http://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45half.PNG |
| Cheese and Onion | http://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.png |
| Smoky Bacon | http://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.png |
| Beef | http://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.pnghttp://www.mathster.com/assessment/qimages/walkers45.png |

|  |  |
| --- | --- |
|   a) How many children prefer Beef? |  |
|   b) Which flavour was preferred by 24 children? |  |
|   c) Which is the most popular flavour of crisps? |  |
|   d) How many children were surveyed? |  |

      | [1]   |
| **3)** The pictogram below shows favourite flavours of crisps in a survey of school childrenKey: http://www.mathster.com/assessment/qimages/walkers25.png= 4 children

|  |  |
| --- | --- |
| Smoky Bacon | http://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60half.PNG |
| Worcester Sauce | http://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60half.PNG |
| Plain | http://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60threequarters.PNG |
| Cheese and Onion | http://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.png |
| Barbecue | http://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60.pnghttp://www.mathster.com/assessment/qimages/walkers60half.PNG |

|  |  |
| --- | --- |
|   a) How many children prefer Worcester Sauce? |  |
|   b) Which flavour was preferred by 16 children? |  |
|   c) Which is the most popular flavour of crisps? |  |
|   d) How many children were surveyed? |  |

      | [1]   |
| **4)** The pictogram below shows favourite football teams in a survey of school childrenKey: http://www.mathster.com/assessment/qimages/footy30.jpg= 10 children

|  |  |
| --- | --- |
| Man City | http://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpg |
| Southampton | http://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpg |
| Liverpool | http://www.mathster.com/assessment/qimages/footy45.jpg |
| Newcastle | http://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpg |
| Man U | http://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpg |

|  |  |
| --- | --- |
|   a) How many children prefer Southampton? |  |
|   b) Which team was preferred by 50 children? |  |
|   c) Which is the most popular team? |  |
|   d) How many children were surveyed? |  |

      | [1]   |
| **5)** The pictogram below shows favourite football teams in a survey of school childrenKey: http://www.mathster.com/assessment/qimages/footy30.jpg= 2 children

|  |  |
| --- | --- |
| Tottenham | http://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpg |
| Man City | http://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpg |
| Liverpool | http://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45half.JPG |
| Chelsea | http://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpg |
| Man U | http://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45half.JPG |

|  |  |
| --- | --- |
|   a) How many children prefer Man U? |  |
|   b) Which team was preferred by 10 children? |  |
|   c) Which is the most popular team? |  |
|   d) How many children were surveyed? |  |

      | [1]   |
| **6)** The pictogram below shows favourite football teams in a survey of school childrenKey: http://www.mathster.com/assessment/qimages/footy30.jpg= 12 children

|  |  |
| --- | --- |
| Newcastle | http://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45half.JPG |
| Man City | http://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpg |
| Southampton | http://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpg |
| Blackburn | http://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45quarter.JPG |
| Chelsea | http://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45.jpghttp://www.mathster.com/assessment/qimages/footy45half.JPG |

|  |  |
| --- | --- |
|   a) How many children prefer Chelsea? |  |
|   b) Which team was preferred by 87 children? |  |
|   c) Which is the most popular team? |  |
|   d) How many children were surveyed? |  |

      | [1]   |
| **7)** Complete the table and pictogram below to show goals scored by 3 football teams.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|  Chelsea |  http://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpg |
|  Tottenham |   |
|  Liverpool |  http://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpg |
|   Key: http://www.mathster.com/assessment/qimages/footy30.jpg= 2 goals |

 |   |

|  |  |
| --- | --- |
| Team | Goals |
| Chelsea | 10 |
| Tottenham | 12 |
| Liverpool |  |

 |

 | [1]   |
| **8)** Complete the table and pictogram below to show goals scored by 3 football teams.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |
| --- | --- |
|  Everton |  http://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30half_1.jpg |
|  Southampton |   |
|  Man City |  http://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30half_1.jpg |
|   Key: http://www.mathster.com/assessment/qimages/footy30.jpg= 2 goals |

 |   |

|  |  |
| --- | --- |
| Team | Goals |
| Everton | 5 |
| Southampton | 9 |
| Man City |  |

 |

 | [1]   |

**Solutions for the assessment Pictograms**

|  |  |
| --- | --- |
| **1)** a) 2, b) Plain, c) Smoky Bacon, d) 52 | **2)** a) 12, b) Smoky Bacon, c) Barbecue, d) 86 |
| **3)** a) 6, b) Cheese and Onion, c) Smoky Bacon, d) 89 | **4)** a) 30, b) Newcastle, c) Man City, d) 220 |
| **5)** a) 7, b) Chelsea, c) Man City, d) 58 | **6)** a) 90, b) Blackburn, c) Chelsea, d) 327 |
| **7)** http://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpghttp://www.mathster.com/assessment/qimages/footy30_0.jpg, 4 | **8)** ()()()()(, 11 |