**BLM 7.N.3.4: Choose Your Question**

**Point Sheet**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Round to the  Nearest Tenth** | **Round to the  Nearest Hundredth** | **Round to the  Nearest Thousandth** | **Express as a  Percent** | **Express as a  Percent** |
| **100** | **100** | **100** | **100** | **100** |
| **200** | **200** | **200** | **200** | **200** |
| **300** | **300** | **300** | **300** | **300** |
| **400** | **400** | **400** | **400** | **400** |
| **500** | **500** | **500** | **500** | **500** |

*(continued)*

**BLM 7.N.3.4: Choose Your Question (continued)**

**Game Sheet 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Round to the Nearest Tenth** | **Round to the Nearest Hundredth** | **Round to the Nearest Thousandth** | **Express as a  Percent** | **Express as a  Percent** |
| 0.29 | 0.683 | 0.1479 | 0.17 | 0.335 |
| 0.348 | 0.029 | 0.4005 | 0.4 |  |
| 0.719 | 0.003 | 0.4791 | 1.00 | 0.0909 |
| 0.0555 | 0.0901 | 0. 7098 |  | 0.9191 |
| 0.0067 | 0.6071 | 0.0606 |  |  |

*(continued)*

**BLM 7.N.3.4: Choose Your Question (continued)**

**Game Sheet 1 Answer Key**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Round to the Nearest Tenth** | **Round to the Nearest Hundredth** | **Round to the Nearest Thousandth** | **Express as a  Percent** | **Express as a  Percent** |
| 0.29  0.3 | 0.683  0.68 | 0.1479  0.148 | 0.17  17% | 0.335  34% or 33.5% |
| 0.348  0.3 | 0.029  0.03 | 0.4005  0.401 | 0.4  40% | 64% |
| 0.719  0.7 | 0.003  0.00 | 0.4791  0.479 | 1.00  100% | 0.0909  9% or 9.1% |
| 0.0555  0.1 | 0.0901  0.09 | 0. 7098  0.710 | 40% | 0.9191  92% or 91.9% |
| 0.0067  0.0 | 0.6071  0.61 | 0.0606  0.061 | 12.5% or 13% | 38% or 37.5% |

*(continued)*

**BLM 7.N.3.4: Choose Your Question (continued)**

**Blank Game Sheet 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Round to the Nearest Tenth** | **Round to the Nearest Hundredth** | **Round to the Nearest Thousandth** | **Express as a  Percent** | **Express as a  Percent** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

*(continued)*

**BLM 7.N.3.4: Choose Your Question (continued)**

**Game Sheet 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Express as a**  **Part-to-Whole Ratio** | **Express as a**  **Decimal** | **Express a Percent**  **as a Fraction\*** | **Express a Fraction**  **as a Percent** | **Express as a**  **Percent** |
| * 18 tables * 6 have broken legs | 25% | 80% |  | 0.5734 |
| * 40 of the 60 dogs are male |  | 18% |  |  |
| * 30 days in the month * 6 had precipitation |  | 4% |  |  |
| * 15 students in a class of 60 wear glasses | 92.9% | 55.5% |  | * 35 customers at the snack bar * 7 return this week |
| * 350 passengers on a plane * 50 are paying regular fare |  | 12.5% |  | * 6 broken bones * 240 falls from the tower |

*(continued)*

\* Many answers are possible.

**BLM 7.N.3.4: Choose Your Question Game (continued)**

**Game Sheet 2 Answer Key**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Express as a**  **Part-to-Whole Ratio** | **Express as a**  **Decimal** | **Express a Percent**  **as a Fraction\*** | **Express a Fraction**  **as a Percent** | **Express as a**  **Percent** |
| * 18 tables * 6 have broken legs   broken : total  6 : 18 or 1 : 3 | 25%  0.25 | 80% | 82% | 0.5734  57.34% |
| * 40 of the 60 dogs are male   male : all dogs  40 : 60 or 2 : 3 | 6.75 | 18% | 70% | 50% |
| * 30 days in the month * 6 had precipitation   precipitation : total  6 : 30 or 1 : 5 |  | 4% | 80% | 9.5% |
| * 15 students in a class of 60 wear glasses   glasses : all students  15 : 60 or 1 : 4 | 92.9%  0.929 | 55.5% | 20% | * 35 customers at the snack bar * 7 return this week   20% |
| * 350 passengers on a plane * 50 are paying regular fare   regular : all passengers  15 : 350 or 1 : 7 | 8.5 | 12.5% | 7.5% | * 6 broken bones * 240 falls from the tower   2.5% |

*(continued)*

\* Many answers are possible. As an extension, ask for several fractions to represent each percentage.

**BLM 7.N.3.4: Choose Your Question (continued)**

**Blank Game Sheet 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Express as a**  **Part-to-Whole Ratio** | **Express as a**  **Decimal** | **Express a Percent**  **as a Fraction\*** | **Express a Fraction**  **as a Percent** | **Express as a**  **Percent** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

\* Many answers are possible.