**TCAP Blitz Assessment – 6th Grade**

**Week 5**

1. A survey found that 7 out of 10 homes in the city of Hometown have a computer. If there are 14,000 homes in Hometown, how many homes could be predicted to have computers?

|  |  |
| --- | --- |
| A |  7 |
| B |  4,000 |
| C |  9,800 |
| D |  20,000 |

1. The table below shows the output of a pump at a milk processing plant.



At this rate, what is the prediction for how many gallons of milk will be pumped at the end of 13 minutes?

|  |  |
| --- | --- |
| A | 110 gal |
| B | 120 gal |
| C | 130 gal |
| D | 140 gal |

1. Four avocados cost $4.69. With $1.25, Valeria estimates she has enough to buy one avocado. Which statement best describes her estimate?

|  |  |
| --- | --- |
| A | Her estimate is too high. |
| B | Her estimate is too low. |
| C | Her estimate is reasonable. |
| D | She can buy 2 avocados. |

1. Paulina logged her work for this week in the table below.



She estimates that she spent about 10% of the rest of her time doing other miscellaneous work. Which is a true statement about Paulina’s estimate?

|  |  |
| --- | --- |
| A | The estimate is too low. |
| B | The estimate is too high. |
| C | The estimate is reasonable. |
| D | More information is needed to judge the accuracy of the estimate. |

1. The high temperature on Monday was 83°F. On Tuesday, the high temperature was 87°F. Which integer represents the high temperature on Monday?

|  |  |
| --- | --- |
| A | –4 |
| B | 4 |
| C | 83 |
| D | 87 |

1. Which integer best represents the temperature shown on the thermometer below?



|  |  |
| --- | --- |
| A | 6 |
| B | 4 |
| C | –4 |
| D | –6 |

1. Which sentence best shows how the distributive property could be used to find the product of 8 and 5.6?

|  |  |
| --- | --- |
| A | 8  (5 + 0.6) = (8  5) + 0.6 |
| B | 8  (5 + 0.6) = (8  5) (8 + 0.6) |
| C | 8  (5 + 0.6) = (8  5) + (8  0.6) |
| D | 8  (5 + 0.6) = (8 + 5) (8 + 0.6) |

1. Which property does the sentence below represent?

18 + (23 + 19) = (18 + 23) + 19

|  |  |
| --- | --- |
| A | distributive property |
| B | commutative property of addition |
| C | associative property of addition |
| D | commutative property of multiplication |

1. Look at the key.



Which expression best represents the model below?



|  |  |
| --- | --- |
| A | 6*x* + 1 |
| B | –6*x* + (–1) |
| C | 1*x* + 6 |
| D | –1*x* + (–6) |

1. Look at the key.



Which expression best represents the model below?



|  |  |
| --- | --- |
| A | –4*x* + (–2) |
| B | –2*x* + (–4) |
| C | 4*x* + 2 |
| D | 2*x* + 4 |