Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_

**1.2B Adding Integers\_Classwork**

*Objective: Students will be able to add integers using real-life applications. CC.SS.7.NS.1 and CC.SS.7NS.3*

Adding Two Integers- You are going to think of **positive integers** as money you have; you will call them **“paychecks.”** You are going to think of **negative integers** as money you spend; you will call them **“bills.”**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Find the Sum** | **Is your balance POSITIVE or NEGATIVE? Explain.** | **To find your balance, should you add or subtract? Do it!** | **Final Answer** |
| **A** | $$22+(-10)$$ | Positive. My paycheck is more than my bill. | Subtract |  |
| **B** | $$46+31$$ | Positive. I have two paychecks. | Add |  |
| **C** | $$-18+(-37)$$ | Negative. I have two bills. | Add |  |
| **D** | $$62+(-89)$$ | Negative. My bill is more than my paycheck. | Subtract |  |
| **1** | $$-6+4$$ |  |  |  |
| **2** | $$-9+(-6)$$ |  |  |  |
| **3** | $$12+9$$ |  |  |  |
| **4** | $$16+(-7)$$ |  |  |  |
| **5** | $$16+(-19)$$ |  |  |  |
| **6** | $$-54+54$$ |  |  |  |
| **7** | $$79+(-51)$$ |  |  |  |
| **8** | $$432+123$$ |  |  |  |
| **9** | $$-82+38$$ |  |  |  |
| **10** | $$-654+(-258)$$ |  |  |  |

1) -2 2)-15 3) 21 4) 9 5) -3 6) 0 7) 28 8) 555 9) -44 10) -912

**7th grade BACK 🡪**

**🡨 left (negative) right (positive) 🡪**

|  |  |  |
| --- | --- | --- |
| **#** | **Expression** | **Number Line. Show your work by using the number line** |
| 1 | -4 + (-3) =  | Image result for number line |
| 2 | -3 + 2 =  | Image result for number line |
| 3 | 5 + (-3) = | Image result for number line |
| 4 | 7 + (-7) = | Image result for number line |
| 5 | 2 + 4 = | Image result for number line |

**Adding More Than Two Integers**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Original Expression** | **Simplified** | **Balance** |
| **A** | $$-12+9+6+\left(-7\right)+8=$$ | $$23+\left(-19\right)=$$ | $$4$$ |
| **B** | $$34+\left(-43\right)+\left(-23\right)+45+\left(-21\right)=$$ | $$79+\left(-87\right)=$$ | $$-8$$ |
| **1** | $5+11+\left(-24\right)+15+(-8)$= |  |  |
| **2** | $$-4+9+\left(-8\right)+\left(-5\right)+2+3+\left(-1\right)=$$ |  |  |
| **3** | $$-9+12+\left(-15\right)+8+4=$$ |  |  |
| **4** | $$345+\left(-637\right)+98+\left(-65\right)+\left(-342\right)=$$ |  |  |

1) -1 2) -4 3) 0 4) -601