Math Study Guide Continued: Chapter 3

1. Think about this situation: “A baseball weighs 8 ounces. A football weighs 4 times as much as the baseball. How much does the football weigh?”

Which equation could represent this situation?

A. 8 + 4= \_\_ B. 8-4=\_\_ C. 8x4= \_\_ D. 8 ÷ 4=\_\_

2. Which statement is correct?

A. 20=10 +10 means “10= 20 more than 10” B. 35= 5x7 means “35 is 7 more than 5”

C. 17= 9+8 means “17 is 9 times as many as 8” D. 15= 5x3 means “15 is 3 times as many as 5”

3.Tim is 7 years old. Tim’s mother is 4 times as old as Tim.

**Part A:** Select **all** the equations that can be used to find m, Tim’s mother’s age.

A. 7 ÷4= m B. 4x7=m C. m ÷7=4 D. 4xm=7 E. m=7x4 F. 7÷ m=4

**Part B:** How old is Tim’s mother:\_\_\_\_\_

4. Brock bought 42 balloons. This is 6 times the number of hats he bought.

**Part A**: Which equation can be used to solve for the number of hats, h, Brock bought?

A. h-6=42 B. h÷6=42 C. 42÷h=6 D. 42x6=h

**Part B:** How many hats did he buy?\_\_\_\_\_

5. Workers from four different farms sold some eggs at the market. The table shows how many eggs each farm had left over at the end of the day.

|  |  |
| --- | --- |
| Farm | Number of eggs Left Over |
| Ander’s Farm | 72 |
| Bann’s Farm | 12 |
| Clive’s Farm | 18 |
| Derry’s Farm | 18 |

**Fill in the blank to make the comparison true.**

The number of eggs that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Farm had left over is 6 times the number of eggs that \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Farm had left over.