# Solving Multiplicative Comparison Problems with a Table    Name:

**Solve each problem.**

**1)** The table below show the number of play tickets sold (excluding the first week).

| Week | Tickets sold |
|------|--------------|
| 2    | 142          |
| 3    | 107          |
| 4    | 121          |
| 5    | 164          |
| 6    | 143          |

In the first week there were 8 times as many tickets sold as there were in the next 5 weeks. How many more tickets were sold in the first week than in the remaining weeks?

**2)** A new fast food restaurant opened 5 months ago. The table belows shows the number of burgers they've sold so far.

| Month | Burgers Sold |
|-------|--------------|
| 1     | 3,648        |
| 2     | 3,458        |
| 3     | 2,594        |
| 4     | 3,538        |
| 5     | 1,310        |

The next month (after spending some money on an ad) they sold 8 times as many as they had sold in the previous 5 months. How many fewer burgers did they sell before running the ad than they did after running it?

**3)** The table below show the pounds of candy a company sold in the months leading up to October.

| Month     | Pounds of Candy Sold |
|-----------|----------------------|
| June      | 128                  |
| July      | 112                  |
| August    | 126                  |
| September | 149                  |

In October they sold 8 times as many pounds of candy as they did in the previous 4 months combined. How many fewer pounds of candy did they sell in the previous 4 months compared to in October?

**4)** The table below show the points Vanessa scored on a video game each time she played.

| Game # | Points Scored |
|--------|---------------|
| 1      | 183           |
| 2      | 159           |
| 3      | 179           |

After the first 3 games, she took a break and came back the next day and scored 3 times as many points as she had during all the previous games combined. How many more points did she score after her break?

1. _____

2. _____

3. _____

4. _____

**Solve each problem.**

**1)** The table below show the number of play tickets sold (excluding the first week).

| Week | Tickets sold |
|------|--------------|
| 2 | 142 |
| 3 | 107 |
| 4 | 121 |
| 5 | 164 |
| 6 | 143 |

677

In the first week there were 8 times as many tickets sold as there were in the next 5 weeks. How many more tickets were sold in the first week than in the remaining weeks?

**2)** A new fast food restaurant opened 5 months ago. The table belows shows the number of burgers they've sold so far.

| Month | Burgers Sold |
|-------|--------------|
| 1 | 3,648 |
| 2 | 3,458 |
| 3 | 2,594 |
| 4 | 3,538 |
| 5 | 1,310 |

14,548

The next month (after spending some money on an ad) they sold 8 times as many as they had sold in the previous 5 months. How many fewer burgers did they sell before running the ad than they did after running it?

1. _____ **4,739**

2. _____ **101,836**

3. _____ **3,605**

4. _____ **1,042**

**3)** The table below show the pounds of candy a company sold in the months leading up to October.

| Month | Pounds of Candy Sold |
|-------|----------------------|
| June | 128 |
| July | 112 |
| August | 126 |
| September | 149 |

515

In October they sold 8 times as many pounds of candy as they did in the previous 4 months combined. How many fewer pounds of candy did they sell in the previous 4 months compared to in October?

**4)** The table below show the points Vanessa scored on a video game each time she played.

| Game # | Points Scored |
|--------|---------------|
| 1 | 183 |
| 2 | 159 |
| 3 | 179 |

521

After the first 3 games, she took a break and came back the next day and scored 3 times as many points as she had during all the previous games combined. How many more points did she score after her break?