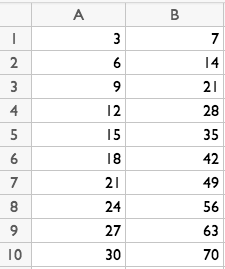
### Lesson 8 Practice Problems

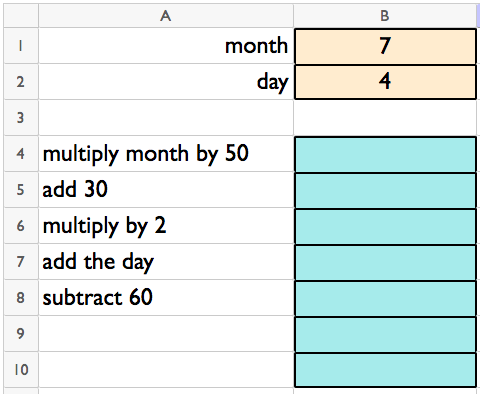
1. *Technology required.* Open a blank spreadsheet. Use "fill down" to recreate this table of equivalent ratios. You should not need to type anything in rows 3–10.

* 

1. A list of numbers is made with the pattern: Start with 11, and subtract 4 to find the next number.

* Here is the beginning of the list: 11, 7, 3, . . .
* Explain how you could use "fill down" in a spreadsheet to find the tenth number in this list. (You do *not*need to actually find this number.)

1. Here is a spreadsheet showing the computations for a different version of the birthday trick:

* 
* Explain what formulas you would enter in cells B4 through B8 so that cell B8 shows a number representing the month and day. (In this example, cell B8 should show 704.) If you have access to a spreadsheet, try your formulas with a month and day to see whether it works.

1. Write a formula you could type into a spreadsheet to compute the value of each expression.
   1. of 35
   2. The average of 0, 3, and 17

* (From Unit 1, Lesson 7.)

1. The data set represents the number of cars in a town given a speeding ticket each day for 10 days.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| * 2 | * 4 | * 5 | * 5 | * 7 | * 7 | * 8 | * 8 |
| * 8 | * 12 |  |  |  |  |  |  |

* 1. What is the median? Interpret this value in the situation.
  2. What is the IQR?
* (From Unit 1, Lesson 5.)

1. The data set represents the most recent sale price, in thousands of dollars, of ten homes on a street.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| * 85 | * 91 | * 93 | * 99 | * 99 | * 99 | * 102 | * 108 |
| * 110 | * 115 |  |  |  |  |  |  |

* 1. What is the mean?
  2. What is the MAD?
* (From Unit 1, Lesson 5.)



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