Multiplication and division word problems
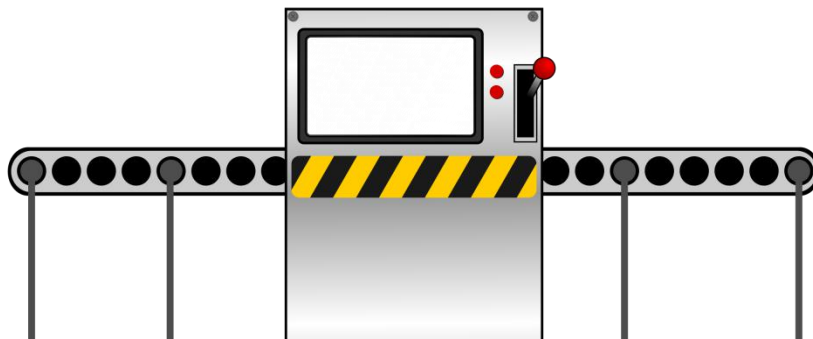
In a car factory, there are 8 assembly lines. Each assembly lines manufactures cars at the same speed.

1. There are 2 supervisors and 12 workers working on each assembly line. How many workers are there in total?

2. If the factory produces 48 cars in a day, how many cars does each assembly line make each day?

3. If all the assembly lines operate 12 hours a day, how long does it take for one assembly line to produce one car?

4. The factory pays each supervisor $30 per hour and the workers $80 per day. How much does each supervisor get paid each day?

5. What is the total daily salary of all the workers?

6. Write an equation using "x" and then solve the equation.
   The factory received an order of manufacturing x cars, and the order is done in 18 days.

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Answers

1.   12 x 8 = 96
   There are 96 workers in total.

2.   48 ÷ 8 = 6
   Each assembly line can make 6 cars each day.

3.   12 ÷ 6 = 2
   It takes one assembly line 2 hours to produce one car.

4.   30 x 12 = 360
   Each supervisor gets paid $360 each day.

5.   80 x 96 = 7,680
   The total daily salary of all the workers is $7,680.

6.   x = 18 x 48
   x = 864
   The order was for 864 cars.

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