Sequence Word Problems

Name: **Date:**

1. Lauren opened a bank account with an initial $500. She is depositing $45.20 per week into her bank account. How many money will she have in her bank account after weeks.

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2. Zariah's 100 meter dash times for her first four races were 14 seconds, 13.4seconds, 12.8 seconds, and 12.2 seconds. Assuming race times will decrease at the same rate. What will the time for her 8th race be.

   seconds

3. Three yeast cells were placed in a laboratory dish at 2:00 p.m. The number of yeast cells doubles every ten minutes. Calculate the number of cells in the dish after one hour.

   yeast cells

4. At a temperature of 20°C the common amoeba reproduces by splitting in half every 24 hours. If we start with a single amoeba how many will there be after 8 days?

   amoebas

5. Jack practices the gaiter every day. The first day he practices for 5 minutes. The next day he practices for 10 minutes. The following days he increases his practice by 5 minutes. How many days will it have taken him to practice for a total of 1hour and 15 minutes from the first day?

   days