



# Math Olympiad and Problem Solving Programs

F130 - Advanced Problem Solving

Problem Set 19.1 - Time

Name:

Date:

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1.
2.
3.
4.
5.
6.
7.  $3\text{ h }40\text{ min} + 10\text{ min} + 1\text{ h }35\text{ min} = 4\text{ h }85\text{ min} = 5\text{ h }25\text{ min}$ . 5 hours after 11:30 AM is 4:30 PM. 25 minutes after 4:30 PM is
8.
9. Each machine operates from 8 AM to 5 PM, which is 9 hours. Each machine operates from Monday to Friday, or 5 days, so it operates  $9 \times 5 = 45$  hours a week. It makes 9 toys per hour, so it makes  $9 \times 45 = 405$  toys in a week. There are 58 machines, each of which make 405 toys in a week, so altogether, they make  $405 \times 58 =$   toys in a week.
10.