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Name :

Mathematics - ++ Junior 8
Exercices # 3 – May 18 2011- p.1/1

EXAMPLES of AMC 10 – PROBLEMS

1. At the Dalton Summer Camp, 60% of the students play soccer, 30 % prefer swimming and 40 % of the soccer players are also swimmers.
   To the nearest whole %, what is the percent of the non-swimmers who play soccer ?

2. What is the number that's is a third of the way between $\dfrac{1}{4}$ and $\dfrac{3}{4}$?

3. The larger of two consecutive odd integers is three times the smaller. What is their sum ?

4. The 2007 AMC 10 will be scored by awarding 6 points for each correct response, 0 point for each incorrect response, and 1.5 point for each problem left unanswered. After looking over the 25 problems, Sarah has decided to attempt the first 22 and leave only the last 3 unanswered. How many of the first 22 problems must she solve correctly in order to score at least 100 points ?

5. The Dunbar family consists of a mother, a father and some children. The average age of the members of the family is 20, the fatther is 48 years old, and the average age of the mother and the children is 16.
   How many children are in the family ? *(Please use the back or this page)*