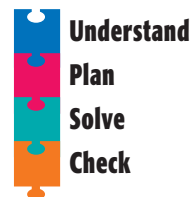


Problem Solving Strategy

Guess and Check

NCTM Standards 1, 2, 6, 7, 8, 9, 10



Solve. Show your work.

- 1 Randi wrote clues for a Mystery Number Puzzle. Solve her puzzle.

- Multiple of 5
- Hundreds digit is 1
- Even
- Sum of the digits is greater than 9

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- 2 There are 150 fifth graders who will participate in field-day events. All the students can be put on 2-person teams with no student left out.

Name all the other sizes of teams that all students can join with no one left out. All the teams must have the same number of students.

Write any number that matches the clue. You might list a few other possible numbers in the workspace on the right.

- 3 3-digit multiple of 3 and 5

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- 4 4-digit multiple of 3, but not 6

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- 5 5-digit multiple of 9 and 10

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