2007 BCCTM Annual Mathematics Contest—Grade 5
Team Questions

Question #1

Jojo put 4 pounds of sunflower seeds in her bird feeder on Sunday. On Friday, the bird feeder was empty, so she put 4 more pounds of seed in it. The following Sunday, the seeds were half gone. How many pounds of sunflower seeds were eaten that week?

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Question #2

How many 4-digit numbers can be formed using the digits 1, 1, 9, 9?

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Question #3

Will had 31 baseball cards. He gave the cards to his friends. Six of his friends received 3 cards each. Seven of his friends received 1 card each. The rest received 2 cards each. How many of his friends received exactly 2 cards from Will?

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Question #3

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Question #4

Rosalie is making number tags for the coat check for the school dance. She must make two sets of tags, which are numbered 1 through 100. How many times will she write the digit 3?

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Question #5

Alex had a Monster Party. He bought 8 masks and 5 wigs for $16.40. Each wig cost $1.20 more than each mask. How much does each mask cost?

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Question #6

If one cell splits in two every $\frac{1}{2}$ hour, how many cells will there be after $4\ \frac{1}{2}$ hours?

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Question #7

STEM	LEAF
2	799
3	01113344667
4	02259
5	00002568
6	0
7	2

2/7 means 27

What is the median number of stories for these buildings?

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Question #8

$1 + 3 = 4$
$1 + 3 + 5 = 9$
$1 + 3 + 5 + 7 = 16$
$1 + 3 + 5 + 7 + 9 = 25$

According to the pattern suggested by the four examples above, how many consecutive odd integers are required to give a sum of 676?

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Question #8

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