

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Math Problem of the Week

1. Some people believe that embryonic stem cell research is important. They think this because scientists use these cells to investigate diseases. Scientists try to find cures for these diseases, and for conditions like paralysis. Other people believe that embryonic stem cell research is wrong. They think this because scientists must destroy embryos to obtain these cells. In a recent poll, 40.75% of people said that the government should not pay for embryonic stem cell research. Which decimal is equivalent to 40.75%?

- A) 4.075
- B) .4075
- C) .04075
- D) .02

2. Which of the following shows the decimal you chose written in expanded notation? Explain your reasoning.

- A)  $(4 \times 0.1) + (7 \times 0.001) + (5 \times 0.0001)$
- B)  $(4 \times 10) + (7 \times 1) + (5 \times 0.1)$
- C)  $(4 \times 1) + (7 \times 10) + (5 \times 100)$
- D)  $(4 \times 0.1) + (7 \times 0.01) + (5 \times 0.001)$