

## Order and Compare Decimals

1. Gemma created a descending sequence of numbers for her homework but then her little sister spilt juice on one of the numbers! Gemma used the digits on the cards to create her number and she used one of the digit cards more than once. Her number has three decimal places. Write the possible numbers that Gemma could have created.

Various answers, for example: 4.003, 4.008, 4.033, 4.088, 3.888, 3.843, 3.834, 3.844, 3.833

$$45.29 \div 10,$$

four ones  
and 92  
thousandths


$$3 \frac{794}{1000}$$

4

8

0

3

DP

2. Ronald, Inaya, Pablo and Julia are describing the weights of their pumpkins. They want to create comparison statements for their weights.



Ronald

My pumpkin weighs more than 3.788 kg but less than 3,790 g.



Inaya

My pumpkin weighs between 5.36 kg and 5,370 g. The digit sum of my weight is equal to 160 divided by 10.



Pablo

The weight of my pumpkin is 6 grams less than 6.1 kg.



Julia

The weight of my pumpkin is greater than 4,810 g but less than 4.82 kg.

Calculate the weight of each pumpkin. Write your answer in kilograms.

Ronald's pumpkin = 3.789 kg; Inaya's pumpkin = 5.362 kg; Pablo's pumpkin = 6.094 kg; various answers for Julia's pumpkin, for example: 4.815 kg or 4.813 kg.

Use the clues to investigate what comparison statement can be created with all four measurements.

Various answers, for example: Ronald < Inaya < Pablo > Julia; Inaya > Julia < Pablo > Ronald.

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