

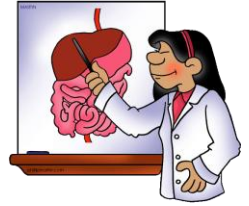
Name \_\_\_\_\_ Date \_\_\_\_\_ Block \_\_\_\_\_

### How long does it take to digest your food?

Questions:

How long does it take for food to move through the digestive tract?

What is the length of each part?



1. Complete the chart. Your digestive system is 887cm long.

<b>Organ</b>	<b>Percent of digestive tract</b>	<b>Length in cm</b> To calculate length, use the following formula: $Length = (Percent \times .01) \times 887$
Esophagus	3%	
Stomach	3.5%	
Small Intestine	76%	
Large Intestine	17%	
Rectum	1.5%	

When complete have your  
teacher stamp here:

2. Draw and label a straight line of 9m in chalk on the sidewalk outside of the classroom.

3. Using your calculations, mark how long each part of the digestive system is.

When complete have your  
teacher stamp here:

4. Then calculate the time it would take for a cupcake to pass through each part of the digestive tract. It takes 27 hours for food to completely pass through your digestive tract.

<b>Organ</b>	<b>Percent of digestive tract</b>	<b>Time in hours</b> To calculate length, use the following formula: $Time = (Percent \times .01) \times 27$
Esophagus	1%	
Stomach	15%	
Small Intestine	18%	
Large Intestine	67%	

5. Complete the chart: write the function of each of the organ of the digestive system

<b>Organ</b>	<b>Function (Job)</b>	<b>Mechanical or Chemical Digestion</b>
Mouth		
Esophagus		
Stomach		
Small Intestine		
Large Intestine		

6. What is the difference between the digestive tract and the digestive system?

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