

Name: _____

Date: _____

N7.4 Expand and demonstrate an understanding of percent to include fractional percents between 1% and 100%.

Life's Percents: Comparing Body Parts

With a partner, measure your body length in centimetres. Record this total length on the chart below. Then, measure the length of each body part. Figure out the percent each body part is of your total length.

$$\text{Percent} = \frac{\text{Part (length measurement)}}{\text{Whole (Total length measurement)}} \times 100$$

So, if my head is 32 cm and my total length is 192 cm, what percent of my body length is my head?

$$\frac{32}{192} = 0.17 \qquad 0.17 = \frac{17}{100} \qquad \text{so my head is 17\% of my total body length.}$$

<u>Body Part</u>	<u>length (cm)</u>	<u>total body length (cm)</u>	<u>% of body length</u>
head	_____	_____	_____
torso	_____	_____	_____
leg	_____	_____	_____
neck	_____	_____	_____

*** Do your percentages add up to 100%? Why or why not?

*** Compare your percentages to a partner. How are they similar? Different? Why?