

U5D3 Rates of Change

Saturday, November 18, 2017 9:22 AM

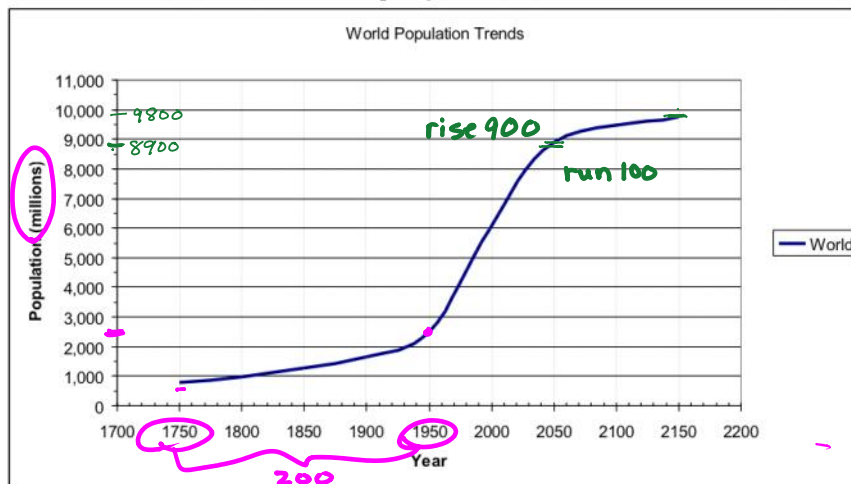


U5D3 Rates of Change

Unit 5 Lesson 3 :

Rates of Change

The average rate of change = $\frac{y_2 - y_1}{x_2 - x_1} = \frac{\text{rise}}{\text{run}}$



1. What is the average rate of change over the following periods:
a. 1750 - 1950, b. 1950 - 2050, c. 2050 - 2150?

$$m = \frac{\text{rise}}{\text{run}}$$

$$m = \frac{2500 - 750}{1950 - 1750}$$

$$= \frac{1750}{200}$$

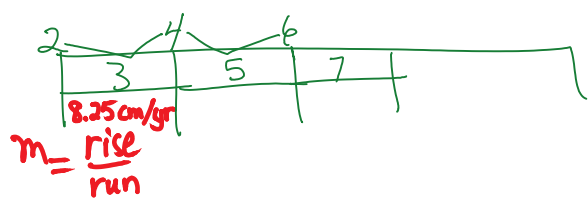
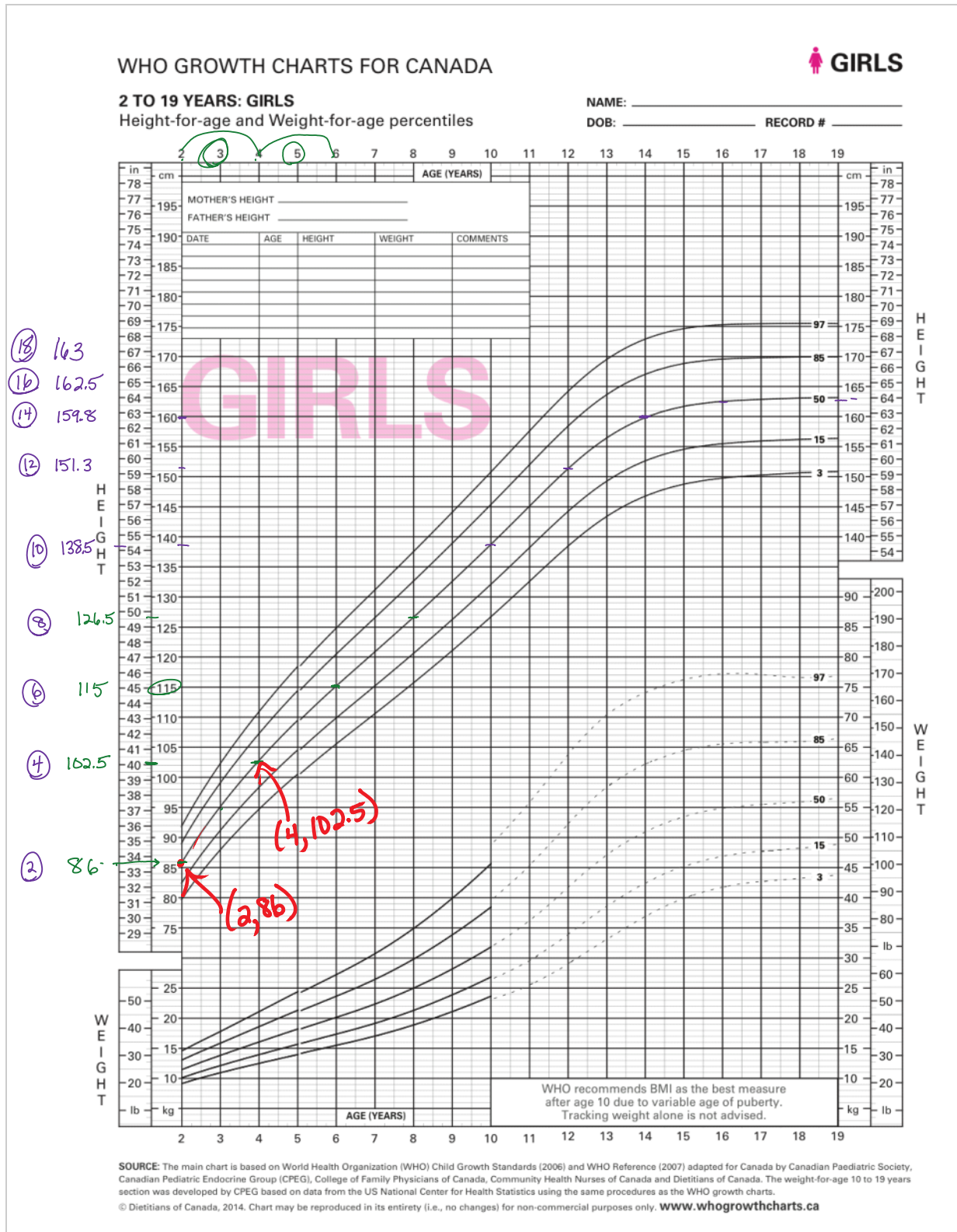
$$= 8.75 \text{ million people/year.}$$

$$m = \frac{900}{2150 - 2050}$$

$$= 9 \text{ million people/yr.}$$



U5D3 Girls
Growth C...



U5D3 Boys
Growth C...



U5D3 Boys
Growth C...

$$m = \frac{\text{rise}}{\text{run}} \\ = \frac{102.5 - 86}{2} \\ = \frac{16.5}{2} \\ = 8.25$$

WHO GROWTH CHARTS FOR CANADA

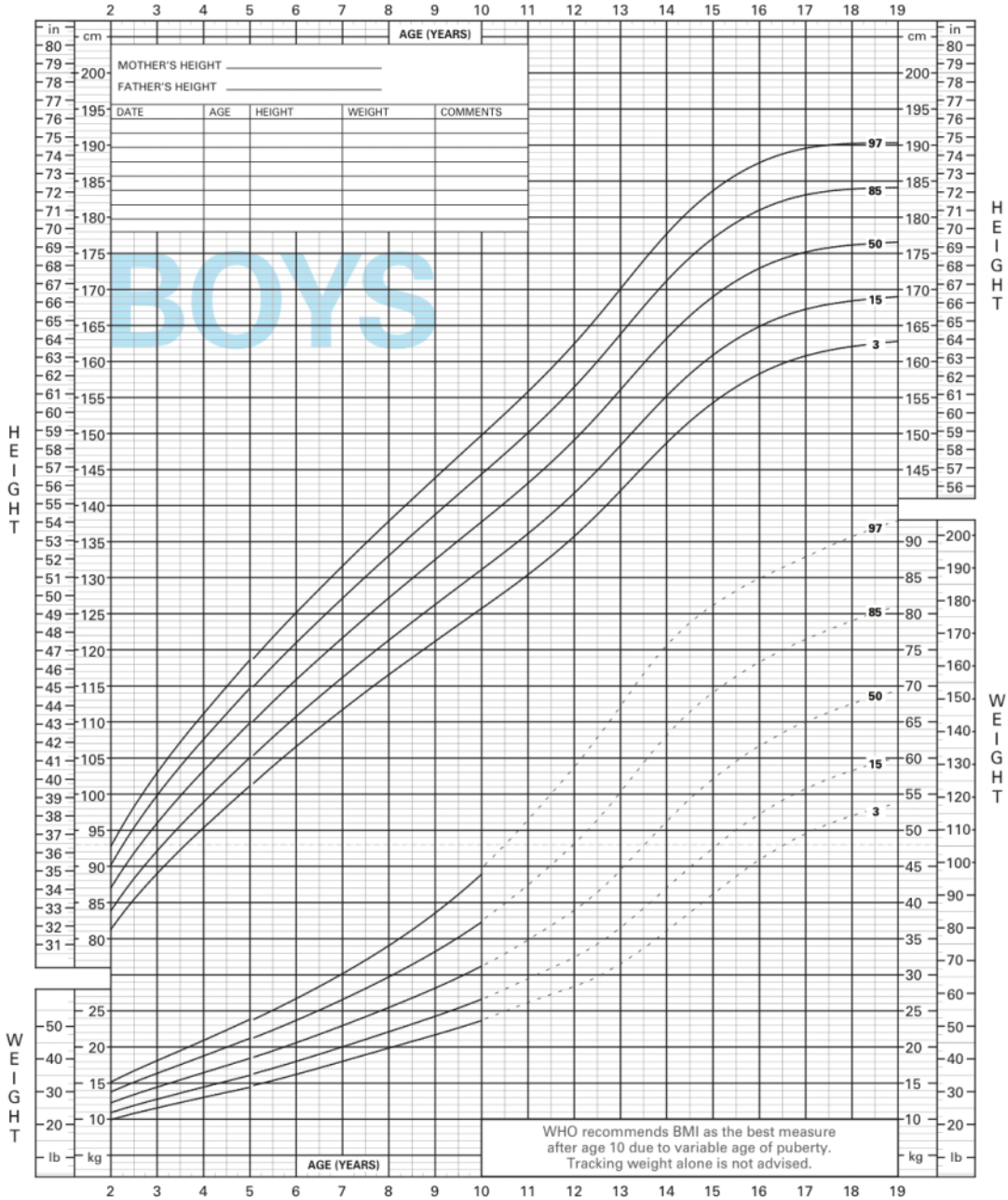
BOYS

2 TO 19 YEARS: BOYS

Height-for-age and Weight-for-age percentiles

NAME: _____

DOB: _____ RECORD # _____



SOURCE: The main chart is based on World Health Organization (WHO) Child Growth Standards (2006) and WHO Reference (2007) adapted for Canada by Canadian Paediatric Society, Canadian Pediatric Endocrine Group (CPEG), College of Family Physicians of Canada, Community Health Nurses of Canada and Dietitians of Canada. The weight-for-age 10 to 19 years section was developed by CPEG based on data from the US National Center for Health Statistics using the same procedures as the WHO growth charts.

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