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### Test 3 (version of Dec. 5)

I will have office hours Tuesday 4-5pm and not on Thursday this week.

4.1: Reading Decimals.

4.2: Rounding Decimals.

4.3: Adding Decimals.

Order Notation and Intervals

4.4: Multiplying Decimals.

4.5: Dividing Decimals.

4.6: Fractions and Decimals.

5.1: Ratios.

5.2: Rates.

5.3: Equalities (Proportions).

5.4: Solving Equalities

5.5 Word problems with Equalities. lemma

Words and Phrases

Amiable: Pleasant and friendly: He seemed an amiable young man.

Century: A period of 100 years: This sculpture must be centuries old.

Copyright: The legal right to publish a book, etc. . Who owns the copyright to *The Incredibles*?

Digression: The act of moving away from the main subject to talk about something else. Talking about the budget would be a digression from our discussion of who to hire.

Endless loop: Computer code that repeats endlessly.

Expendable: Something that can be used up or destroyed without much loss. No one likes to think they're expendable.

Imperative: The form of a verb for giving orders. In "Leave him alone!", the verb "leave" is in the imperative.

Lemma: A subsidiary proposition used to prove another proposition. Lemma 1 was necessary to prove the theorem.

Millennium: A period of 1,000 years. 2,000 years is two millennia.

Obsolete: Outmoded, out of date. Typewriters are obsolete.

Psychology: The science of thinking. He was so anxious he went to a psychologist.

Shilling: A British coin, the 20th part of a pound, equal to 12 pence before 1971, 5 new pence afterwards. It cost two shillings.

Theorem: A theoretical statement, something to be proved. Euclid's theorem tells us the number of primes is infinite.

"When I was a boy of fourteen, my father was so ignorant I could hardly stand to have the old man around. But when I got to be twenty-one, I was astonished at how much he had learned in seven years." Mark Twain, "Old Times on the Mississippi," *Atlantic Monthly*, 1874.

"Quis custodiet ipsos custodes", Who will guard the guards themselves?

"A pint's a pound the world around." Thus, a pint has 16 ounces, and so does a pound.

"Venite Adoremus": Come and let's adore, or Come let us adore him.

"Veni, Vidi, Vici": I came, I saw, I conquered, in Latin. Julius Caesar said this.

"Per centum": for each 100, in Latin.

"E.g.": "exempli gratia", for example, "as a free example", from Latin.

"Quod erat demonstrandum": "Which is what was to be shown."