# Errata for Math Mammoth Grade 6, 2022 edition

## Grade 6-A Worktext

### Unit Rates

Teaching box at the top.

Was: "but the "per kilogram" means "per <u>one</u> pound"."
Should be: but the "per kilogram" means "per <u>one</u> kilogram".

Was: 2/5 tsp per dl.
Should be: 2/5 tbsp per dl.

(Error noted Dec 15, 2022)

---

## Grade 6-A Answer Key

### Warm-Up: Mental Math (p. 14 in the student book)

#10 a. The ingredients cinnamon and nutmeg were reversed from what they are in the workbook.

(Error noted Aug 16, 2023)

---

### Review of the Four Operations 2 (p. 17 in the student book)

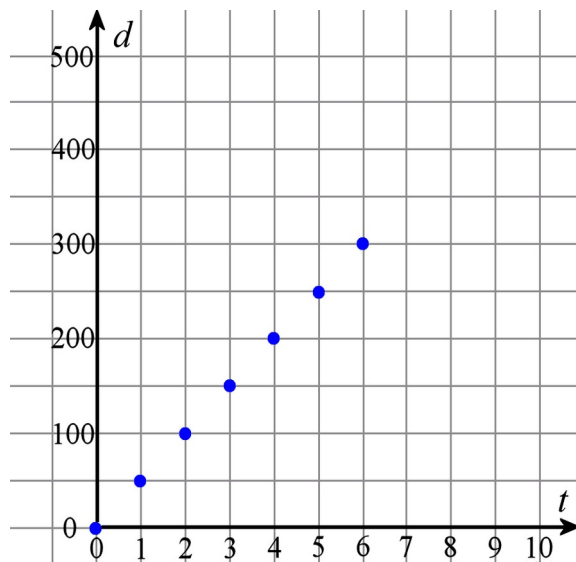#7a. In the table, when "Time" is 2 ½ hours, "Miles" should be 135, not 125.

(Error noted Aug 6, 2022)

---

**Using Two Variables (p. 88 in the student book)**

#4. The graph shown was for the metric version of this exercise, where the speed is 80 km/h.

The correct graph is this:



Also, "kilometers" needs changed to "miles" in the table.

(Error noted Dec 6, 2023)

---

**Unit Rates (p. 150 in the student book)**

#6 Has: "In eight hours, the airplane can travel 8 · 5,000 km = 40,000 m."

Should be: "In eight hours, the airplane can travel 8 · 500 mi = 4,000 mi."

(Error noted Jul 25, 2023)

---

**Chapter 4 Review (p. 170 in the student book)**

#10 The answer was not matching the question. The answer was about squares and their areas. The correct answer is below.

a. $134 \text{ lb} = 134 \text{ lb} \cdot \dfrac{1 \text{ kg}}{2.2 \text{ lb}} = \dfrac{134 \text{ kg}}{2.2} \approx 60.91 \text{ kg}$

b. $156 \text{ cm} = 156 \text{ cm} \cdot \dfrac{1 \text{ in}}{2.54 \text{ cm}} \cdot \dfrac{1 \text{ ft}}{12 \text{ in}} = \dfrac{156 \text{ ft}}{2.54 \cdot 12} \approx 5.12 \text{ ft}$

(Error noted Dec 9, 2022)

---

# Grade 6-B Worktext

## Chapter 7

### Review: Multiplying Fractions 2, p. 48

The teaching box on page 48 (just before #5) shows 5 · 5 = 15 which is in error, and then leads to the wrong answer for the entire calculation.
Here is the correct way:

**Multiplying mixed numbers - an area illustration**

Study the picture carefully. The *colored* rectangle illustrates 1 2/3 · 1 2/3.

In this illustration, the sides of each *little* square are 1/3 units, with an area of 1/9 square unit, and each 3 × 3 square illustrates <u>one whole</u>.

The coloured rectangle consists of 5 · 5 = 25 little squares.

This therefore equals 25 · 1/9 = 25/9 = 2 7/9 square units.

We get the same by multiplying the side lengths:

$$1\frac{2}{3} \cdot 1\frac{2}{3} = \frac{5}{3} \cdot \frac{5}{3} = \frac{25}{9} = 2\frac{7}{9} \text{ square units.}$$
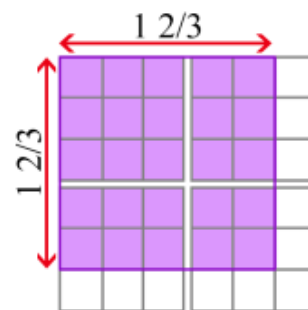
(Error noted... unfortunately we're not sure on the date on this one. )

---

## Chapter 8

### Mixed Review Chapter 8

Question #4 says to give answer in kilograms. It should say pounds and ounces.

(Error noted Dec 15, 2022)

---