

# Errata for Math Mammoth Grade 8, 2023 edition

## Grade 8-A Student Book

### Chapter 1

#### Significant Digits (p. 37)

#1. Instead of grams, the quantities should be in kilograms: 0.506 kg or 0.5060 kg.

(Error noted July 7, 2025)

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## Grade 8-A Answer Key

### Chapter 2

#### Volume of Prisms and Cylinders (student worktext p. 108)

#4. a. The final calculation of the volume uses  $108.6 \text{ ft}^3$  instead of  $117.8 \text{ ft}^3$ . The last line should be:

$$117.8 \text{ ft}^3 + 502.7 \text{ ft}^3 + 502.7 \text{ ft}^3 = 1,123.2 \text{ ft}^3.$$

#4. b. is also partially incorrect because it is using the wrong value from (a). It should be:

b. In gallons, the tanks contain  $1,123 \text{ ft}^3 \div (0.16054 \text{ ft}^3/\text{gal}) \approx 6995.14$  gallons. This amount provides water for the family for  $6995.14 \text{ gal} \div (120 \text{ gal/day}) \approx 58$  days.

(Error noted Jan 13, 2024)

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### Chapter 3

#### Word Problems (student worktext p. 147)

The answer to question #2 was using 36 cm instead of 136 cm as listed in the lesson.

Here is the corrected solution.

Let  $x$  be the width of the rectangle. Then, its length is  $x + 12$ . We get the equation  $x + x + 12 + x + x + 12 = 136$ .

This simplifies to  $4x + 24 = 136$ , from which  $x = 28$ . So, the width of the rectangle is 28 cm and its length is 40 cm.

(It is also possible that the student will choose  $x$  to be the length of the rectangle. The width will then be  $x - 12$ . The final answer will be the same.)

(Error noted Nov 10, 2023)

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## **More on Equations (student worktext p. 154)**

#9b, last line should be:  $q = -4/3 = -1 \frac{1}{3}$

(Error noted Jan 13, 2024)

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## **Grade 8-B Student Book**

### **Chapter 7**

#### **Solving Systems of Equations by Substitution (p. 136)**

6. b. The top equation was  $4x - 5y = 12$ . Should be:  $4x - 5y = 13$ .

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## **Tests Answer Key**

### Chapter 1 Test

2. g. The answer given is  $x^{10}/32$ . It should be  $-x^{10}/32$ .

(Error noted Apr 14, 2026)

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## **End-of-Year Test Answer Key**

2. f. The answer given is  $1/(4v^2)$ . It should be  $1/(16v^2)$ .

(Error noted Dec 1, 2025)

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