

Math Mammoth Grade 4

End-of-Year Test Answer Key

1. a. 385 b. 19,272 c. 578,960

2. $x = 1,754$

3. a. 220 b. 200

4. Mark had 165, Joe had 115 cards. You can solve it for example thinking this way: If they had equal amount of cards, each would have 140. But Mark has 50 more; split this difference of 50 to both "sides" of 140. In other words, subtract half of 50 (which is 25) from 140, and add it to 140.

5. Her change was \$25.28

6. a. 800,050 b. 2,005,407

7. She needs 22 boxes.

8. Five meters of rope cost \$4.35.

9. Estimate: $(5 \times \$0.90) + (2 \times \$1.20) = \$6.90$ Exact: $(5 \times \$0.87) + (2 \times \$1.24) = \$6.83$ Error \$0.07.

10. a. 3 lb 15 oz; 21 cm; 5 ft 1 in b. 3,700 ml; 640 fl. oz.; 420 ft c. 208 cm; 3 kg 80 g; 4,400 lb

11. Answers may vary if the test is printed with "shrink to fit" or "fit to printable area", or because of slight variability in rulers, or because of measuring just a little inaccurately. Please check students' answers.

a. $5 \frac{1}{4}$ in. or 13 cm 3 mm. 13 cm 4 mm is also acceptable. b. $3 \frac{7}{8}$ in. or 9 cm 8 mm. 9 cm 9 mm is also acceptable.

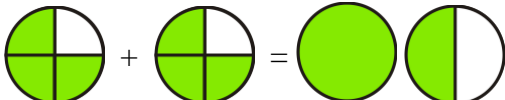
12. 23 feet

13. Area 882 m^2 (square meters), perimeter 126 m.

14. $360 \div 60 = 6$. The divisor is 60.

15. 399 is divisible by 7 because $399 \div 7 = 57$ and there is no remainder; the division is even. Or, you could say it is divisible because $57 \times 7 = 399$.

16. Answers will vary. Check the student's work.

17. a. $\frac{5}{8} + \frac{5}{8} = 1 \frac{2}{8}$. b. 

18. a. $1 \frac{2}{5}$ b. $\frac{5}{6}$ c. 6

19. \$154

20. She had \$10 left.

21. a. 1.1 b. 0.34 c. 0.96 d. 0.9 e. 0.82 f. 4.01

22.

