

Lindley Sixth Grade Academy



Math



Mock GA Milestones



Answer Key

1. B
2. C
3. D
4. D
5. B
6. D
7. D
8. C
9. C
10. C
11. C
12. B
13. D
14. A
15. A
- 16.

a. $\frac{7}{2} \bullet \frac{17}{2} \bullet \frac{13}{2}$

1547 $\frac{1}{2}$ inch cubes of cake can be made from a cake with the dimensions of 3 $\frac{1}{2}$ in by 8 $\frac{1}{2}$ in by 6 $\frac{1}{2}$ in.

b. Area of cake that needs to be covered with icing =

$$2 \left(3\frac{1}{2} \bullet 8\frac{1}{2} \right) + \left(8\frac{1}{2} \bullet 6\frac{1}{2} \right) + 2 \left(3\frac{1}{2} \bullet 6\frac{1}{2} \right)$$

17. C
18. B
19. A
20. D
21. C

- 22. C
- 23. C
- 24. D
- 25. A
- 26.

a. $V = l \bullet w \bullet h$

$$V = 5\frac{1}{2} \bullet 2 \bullet 2\frac{1}{2}$$

$$V = 27\frac{1}{2} ft^3$$

b. $27\frac{1}{2} \div 6 = 4\frac{7}{12} ft^3$

c. The ratio of Aneesa's part of the garden to the other children's part of the garden is 2 : 3 because she has 2 parts, and other children have a total of 3 parts.

- 27. D
- 28. A
- 29. A
- 30. B
- 31. A
- 32. C
- 33. B
- 34. B
- 35. C
- 36. C
- 37. She plotted -3 not the opposite of -3 which is 3.
- 38. B
- 39. B
- 40. C

41. A

42. C

43.

a. $\frac{3}{6} \div \frac{1}{4}$

$$\frac{3}{6} \bullet \frac{4}{1} = \frac{12}{6} = 2$$

b. I multiplied $\frac{3}{6}$ by the reciprocal of $\frac{1}{4}$.

44. D

45. B

46. C

47.

a. Hannah did not order enough wheels. Each tricycle needs 3 wheels, so she will need 30, but she only ordered 10.

b. x represents the number of bikes, 3 represents the number of wheels on each bike, and y represents the total number of wheels.

c. $3x = y$

$$3 \bullet 15 = 45 \text{ wheels}$$

I substituted 15 for x and evaluated for the total number of wheels that will be needed by multiplying by 3.

48. D

49. A

50. D