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Placement Test

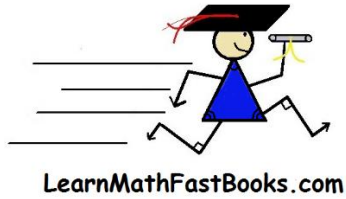
ANSWERS

1. 11 2. 3 3. 22 4. 25 5. 9
6. 42 7. 83 8. 3,719 9. 5,879.56 10. 260.2
11. 63 12. $1633.0\overline{833}$ 13. 8,000 14. 399.5705
15. Which number is in the Ten Thousand column? **6**
Which number is in the One Hundred Million column? **7**
Which column has a zero in it? **The Billions**

IF YOU HAVE ANSWERED ANY OF THE PROBLEMS UP TO THIS POINT INCORRECTLY, STOP HERE AND BEGIN READING VOLUME 1 OF THE LEARN MATH FAST SYSTEM. AN OLDER STUDENT (13+) CAN COMPLETE THAT VOLUME IN ABOUT ONE MONTH. YOUNGER STUDENTS WILL TAKE LONGER.

16. $\frac{1}{3}$ 17. $\frac{16}{21}$ 18. $6\frac{1}{24}$ 19. $15\frac{5}{6}$
20. 174 21. .38 22. $\frac{45}{100}$ rounds down to $\frac{9}{20}$
23. -23 24. $-\frac{6}{24}$ rounds to $-\frac{1}{4}$ 25. $9\frac{3}{8}$ 26. $\frac{32}{45}$

IF YOU ANSWERED ANY PROBLEM FROM #16 - #26 INCORRECTLY, STOP THE TEST AND BEGIN READING VOLUME 2 OF THE LEARN MATH FAST SYSTEM. AN OLDER STUDENT (13+) CAN COMPLETE THAT VOLUME IN ABOUT ONE MONTH. YOUNGER STUDENTS WILL TAKE LONGER.



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ANSWERS page 2

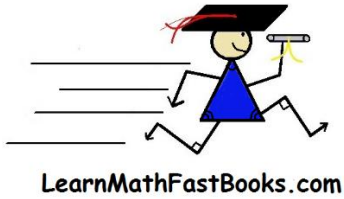
27. $x = 156$ 28. $x = 8$ 29. 136 30. $x = 8$
31. 21 32. $5ab$ 33. $8a^2 - 2a$ 34. $16x^2y^2z$
35. $12a^2 + 27ac$

Answer the following questions about a line with coordinates (3, 6) and (6, 8).

36. What is the slope of that line? $m = \frac{2}{3}$
37. What is the y-intercept of that line? $b = 4$
38. Write a linear equation for that line. $y = \frac{2}{3}x + 4$
39. If you were to graph that line, would the line go uphill, downhill, flat, or vertically?
UPHILL

IF YOU INCORRECTLY ANSWERED ANY PROBLEM FROM #27 - #39, START WITH VOLUME 3 OF THE LEARN MATH FAST SYSTEM. AN OLDER STUDENT (13+) CAN COMPLETE THAT VOLUME IN ABOUT ONE MONTH. YOUNGER STUDENTS WILL TAKE LONGER.

40. Circumference = 6.28 inches
Area = 3.14 inches 41. Perpendicular, Parallel
42. 10" 43. Isosceles
Equilateral
Right



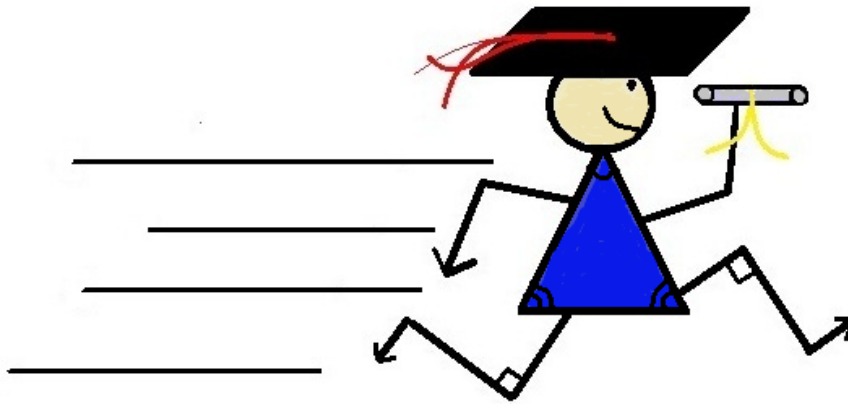
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ANSWERS page 3

44. $x^2 + 80^2 = 100^2$
 $x = 60 \text{ cm}$

45. $12^2 + x^2 = (\sqrt{400})^2$
 $x = 16 \text{ kilometers}$

IF YOU ANSWERED ALL 45 QUESTIONS CORRECTLY, THEN YOU ARE READY FOR VOLUME 5 OF THE LEARN MATH FAST SYSTEM. THAT BOOK WILL TEACH ALGEBRA 1 IN ABOUT THREE MONTHS.



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