

MATH POWER UPDATES

Updates: Kaplan's *Math Power, Second Edition*

| Book Pages | Corrections |
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| Page 29, Superpowered Math: Perfect Digital Variants, last example <small>*Note: already corrected in fifth printing</small> | The fourth line of the last example should be $1^3 + 6^3 + 0^3 = 217$. |
| page 45, <i>Do the Math</i> solution <small>*Note: already corrected in second printing</small> | The third fraction in the first part of the solution should be $\frac{1.40\overline{5}}{10}$. The first fraction in the third part of the solution (after "So") should also be $\frac{1.40\overline{5}}{10}$. |
| page 93, "Power, Power, Power to Spare" problem <small>*Note: already corrected in second printing</small> | The initial equation should read $3^6 \times 4^6$. |
| page 100, "Times and Times Again" problem <small>*Note: already corrected in second printing</small> | The first two lines of the problem should be $\sqrt{4} \times \sqrt{9} = \sqrt{4 \times 9}$ and $2 \times 3 = \sqrt{36}$. |
| page 102, "To Multiply Square Root Expressions with Coefficients" problem <small>*Note: already corrected in second printing</small> | The final, simplified answer to the problem is $12\sqrt{3}$. |
| page 102, "To Find the Quotient of Square Roots" problems <small>*Note: already corrected in second printing</small> | The solution to the first question is $\sqrt{2}$. |
| page 139-140, "Simplifying and Algebraic Fraction" <small>*Note: already corrected in second printing</small> | The final simplification of the fraction in this section is $\frac{(x-4)}{(x-3)}$. |
| page 285, solution to Chapter 3, Plug In question 4 <small>*Note: already corrected in second printing</small> | The solution to Chapter 3, Plug In question 4 should read: The fraction $\frac{3}{70}$ written in decimal form is $0.\overline{0428571}$ or $0.0428571428571428571\dots$. After the 0 in the tenths place, the pattern 428571 repeats. So we want the 299th digit in the repeating pattern 428571428571428571... Now 299 divided by 6 is 49 with a remainder of 5. Thus, to arrive at the 299th digit of 428571428571428571... we must go through 49 complete sets of 428571 and then the first 5 digits of 428571. The fifth digit in 428571 is a 7, so the 299th digit in the repeating pattern 428571428571428571... is a 7. Thus, the 300th digit in the decimal $0.0428571428571428571\dots$ is a 7. |
| page 9, "Understanding Real Numbers," the third non perfect square root example <small>*Note: already corrected in fifth printing</small> | This should read: $\sqrt{122} \approx 11.045361017$ |
| page 12, <i>Plug In</i> question 4 <small>*Note: already corrected in fifth printing</small> | This fraction should read: $\frac{48}{-6}$ |
| page 103, "One Big Rationalization" section | In the example of $\frac{6\sqrt{5}}{5\sqrt{3}}$, the final fraction should read $\frac{2\sqrt{15}}{5}$ |
| page 100, "Times and Times Again" problem | The second sentence following the solution to this problem should read, "The product of $\sqrt{4}$ and $\sqrt{9}$ is equal to $\sqrt{4 \times 9}$." |