

## Errata for the '90-'91 through '94-'95 MATHCOUNTS School Handbooks

### *1994-1995 MATHCOUNTS School Handbook* (last updated on August 5, 2004)

- **Warm-Up 3, Problem #4:** Add “What is the median of the set of the distinct number of inches in all possible perimeters?”
- **Warm-Up 6, Problem #4:** The  $x$  in the inequality should be  $X$ .
- **Warm-Up 16, Number Sense explanation (page 78):** There are 36 ways to choose the two numbers.
- **Workout 4, Solution/Look Back (page 94):** The formula for the area of the pasture should be  $x\left(\frac{240-x}{2}\right)$  or  $120x - (\frac{1}{2})x^2$ .
- **Workout 9, Problem #8:** Replace “trapezoidal” with “quadrilateral.”

### *1993-1994 MATHCOUNTS School Handbook* (last updated on August 5, 2004)

- **Extended Activity 2 (page 25):** This 6' by 7' room would require 26 wall sections.
- **MATHCOUNTS Formulas:** Area of Trapezoid:  $A = (1/2)(b_1 + b_2)h$ .
- **Warm-Up 7, Problem #4:** Find the sum of the *first* 60 positive odd whole numbers beginning with 5.
- **Warm-Up 11, Problem #9:** The answer should be  $300\pi + 50$ .
- **Warm-Up 20, Problem #3:** The answer should be the mixed number  $62\frac{2}{3}$ .

### *1992-1993 MATHCOUNTS School Handbook* (last updated on September 14, 2004)

- **Warm-Up 2, Problem #3:** The bar above the number should be only over the last two digits. Change  $\overline{.325}$  to  $\overline{.32}$ .
- **Warm-Up 3, Problem #8:** The optional units should be (lbs) instead of (cu cm).
- **Warm-Up 7, Answer Key:** In the third line under “SOLVE IT,” the  $2^{104}$  should be  $3^{104}$ .
- **Warm-Up 13, Problem #5:** Change the first equation from “ $x + y = -4$ ” to “ $x + 2y = -4$ .”
- **Warm-Up 16, Problem #6:** The form of the answer should be specified as a common fraction.
- **Warm-Up 17, Problem #1:** Switch the position of the words “mean” and “median.”
- **Warm-Up 18, Problem #10:** The option units of (hrs) shown on the answer line for problem 10 should not be there and instead belong on the answer line for problem #7.
- **Workout 1, Problem #2:** “ERROR” should be changed to “ERRORS.”
- **Workout 1, Problem #10:** The question should read, “by how many dollars would the more expensive fine exceed the cheaper?”
- **Workout 4, Problem #1:** The format of the answer should be (month, day, year).
- **Workout 5, Problem #8:** The factor  $(9 \times 104)^2$  should be  $(9 \times 10^4)^2$ .
- **Workout 7, Answer #3:** The correct answer is 51.
- **Workout 8, Problem # 4:** Rephrasing the question to read, “What is the first time after 7:45 AM that all three friends meet,” will eliminate the trivial answer of 7:45 AM.
- **The following problems have figures that were shaded correctly in the bound copy of the handbook, but not in the loose-leaf set of Warm-ups and Workouts:** Warm-up 1,

Problem #10; Warm-Up 3, Problem #6; Warm-up 16, Problem #2; Workout 3, Problem #7; and Workout 7, Problem #8.

*1991-1992 MATHCOUNTS School Handbook* (last updated on August 5, 2004)

We do not have records of errata for this School Handbook.

*1990-1991 MATHCOUNTS School Handbook* (last updated on August 5, 2004)

- **Page 21, “FIND OUT” section, third paragraph: Should be 4160 instead of 1260.**
- **Skill Drill 1, Problem #4:** “1 + ” should appear before the given expression.
- **Skill Drill 7, Problem #3:** The operator between the two sets of parentheses should be “÷” instead of “-.”
- **Skill Drill 7, Problem #5:** There should be bars over the 6 and 4 to indicate repeating decimals.
- **Skill Drill 7, Answer #7:** The given answer  $45 \text{ cm}^2$  should be  $54 \text{ cm}^2$ .
- **Skill Drill 9, Answer #5:** 5 is not the only answer to the problem. 10 and 15 are also solutions.
- **Skill Drill 9, Answer #9:** The correct answer is  $119/30$  instead of 7.
- **Skill Drill 9, Answer #10:** The answer “-, ×, +, ÷” is also acceptable. Both answers assume left-to-right order of operations.
- **Skill Drill 10, Problem #4:** ABCO should be changed to AOBC.
- **Skill Drill 11, Answer #3:** The correct answer is 125 instead of 25.
- **Skill Drill 13, Problem #3:** The dimensions 12-foot-by-8-foot should be 12-foot-by-18-foot.
- **Skill Drill 15, Problem #6:** The correct answer is  $9/2$  instead of 6.
- **Skill Drill 18, Problem #2:** Change 84 to  $-84$ .
- **Power Drill 2, Answer #4:** The correct answer is 6000, not 1200.
- **Power Drill 10, Problem #9:**  $\sqrt{35}$  should be changed to  $\sqrt{36}$  in both instances.
- **Power Drill 10, Answer #10:** The correct answer is 172 (trees/acres), not 72 (trees).