

**2008 MathEdge Speed Contest Advanced Level (Grades 6-8)**

Directions: This is a 10 minute test.

Solve accurately and quickly as many as you can in the order in which they appear.

Write only the answer in the space provided at the end of each problem.

- (1)  $5 \times 234 =$  \_\_\_\_\_.
- (2)  $1288 \div 4 =$  \_\_\_\_\_.
- (3)  $672 =$  \_\_\_\_\_ (Roman Numeral).
- (4) The thousandths place in 1245.9036 is \_\_\_\_\_.
- (5)  $1988 - 897 =$  \_\_\_\_\_.
- (6)  $230 + 245 + 260 =$  \_\_\_\_\_.
- (7)  $16^2 =$  \_\_\_\_\_.
- (8) The sum of two numbers is 46 and their difference is 8. The larger of the two numbers is \_\_\_\_\_.
- (9) Round 674 to the nearest multiple of 20. \_\_\_\_\_.
- \*(10)  $798 + 895 + 1499 =$  \_\_\_\_\_.
- (11) 739  $\div$  8 has a remainder of \_\_\_\_\_.
- (12)  $25 \times 97 =$  \_\_\_\_\_.
- (13) Write the number "seventy three and twenty seven hundredths". \_\_\_\_\_.
- (14) If  $\alpha \times \alpha \times \alpha = 64$ ,  $\alpha =$  \_\_\_\_\_.
- (15) The sum of the even natural numbers less than 10 is \_\_\_\_\_.
- (16) The denominator in  $\frac{3}{4}$  is \_\_\_\_\_.
- (17) The minute hand on a clock travels from the 5 to the 20. How many seconds is that? \_\_\_\_\_.
- (18)  $15 \times 42 =$  \_\_\_\_\_.
- (19)  $7 + 17 + \dots + 47 =$  \_\_\_\_\_.
- \*(20)  $9 \times 19 \times 29 =$  \_\_\_\_\_.
- (21)  $2.538 \div 0.6 =$  \_\_\_\_\_.
- (22) 9 gallons = \_\_\_\_\_ pints.
- (23) Your bill is \$12.41. Your change from a \$20 bill is \$ \_\_\_\_\_.
- (24)  $\frac{3}{4} + \frac{4}{5} + \frac{5}{6} =$  \_\_\_\_\_ (Improper Fraction).
- (25)  $202 \times 404 =$  \_\_\_\_\_.
- (26)  $\frac{17}{25} =$  \_\_\_\_\_ (Decimal).
- (27)  $12 \times 234 =$  \_\_\_\_\_.
- (28) 12.4% = \_\_\_\_\_ (Fraction).
- (29)  $4 + 8 + 16 \div 4 - 2 =$  \_\_\_\_\_.
- \*(30)  $26 \times 47 + 27 \times 64 =$  \_\_\_\_\_.
- (31) The GCF of 192 and 216 is \_\_\_\_\_.
- (32) The LCM of 9, 10, and 12 is \_\_\_\_\_.
- (33) The largest of .01,  $\frac{1}{11}$ , and  $\frac{2}{23}$  is \_\_\_\_\_.
- (34)  $.04 \times .05 =$  \_\_\_\_\_.
- (35) The ratio of 7 nickels to 5 quarters is \_\_\_\_\_.
- (36) Reduce  $\frac{60}{75}$  to lowest terms. \_\_\_\_\_.
- (37) 1.02 meters = \_\_\_\_\_ centimeters.
- (38) If  $\frac{n}{14} = \frac{64}{112}$ ,  $n =$  \_\_\_\_\_.
- (39) The largest multiple of 17 less than 300 is \_\_\_\_\_.
- \*(40)  $409631 \div 197 =$  \_\_\_\_\_.
- (41) If  $A = 4$ ,  $B = 6$ , and  $C = 3$ ,  $AB - BC + AC =$  \_\_\_\_\_.
- (42)  $43 \times 47 =$  \_\_\_\_\_.

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### ANSWERS

- |                  |                       |
|------------------|-----------------------|
| (1) 1170         | (23) 7.59             |
| (2) 322          | (24) $\frac{143}{60}$ |
| (3) DCLXXII      | (25) 81608            |
| (4) 3            | (26) .68              |
| (5) 1091         | (27) 2808             |
| (6) 735          | (28) $\frac{31}{250}$ |
| (7) 256          | (29) 14               |
| (8) 27           | (30) 2803 - 3097      |
| (9) 680          | (31) 24               |
| (10) 3033 - 3351 | (32) 180              |
| (11) 3           | (33) $\frac{1}{11}$   |
| (12) 2425        | (34) .002             |
| (13) 73.27       | (35) $\frac{7}{25}$   |
| (14) 4           | (36) $\frac{4}{5}$    |
| (15) 20          | (37) 102              |
| (16) 4           | (38) 8                |
| (17) 900         | (39) 289              |
| (18) 630         | (40) 1976 - 2183      |
| (19) 135         | (41) 18               |
| (20) 4712 - 5206 | (42) 2021             |
| (21) 4.23        |                       |
| (22) 72          |                       |