

A Name \_\_\_\_\_ Date \_\_\_\_\_ Score \_\_\_\_\_

2009 MathEdge Speed Contest Advanced (Grades 6-8) - 15mins

1.  $791 - 197 =$  \_\_\_\_\_.
2.  $35 \times 8 \div 7 + 4 =$  \_\_\_\_\_.
3.  $\frac{1}{6} - \frac{1}{12} - \frac{1}{24} =$  \_\_\_\_\_.
4.  $1 + 2 + 3 + \dots + 18 =$  \_\_\_\_\_.
5.  $25 \times 24 =$  \_\_\_\_\_.
6.  $65^2 =$  \_\_\_\_\_.
7.  $74 \times 11 =$  \_\_\_\_\_.
8.  $637 \div 9 =$  \_\_\_\_\_ (mixed number).
9.  $CCXVIII + CXXI =$  \_\_\_\_\_ (Arabic Numeral).
10.  $301 \times 98 =$  \_\_\_\_\_.
11.  $382 \div 9$  has a remainder of \_\_\_\_\_.
12. If 3 oranges cost 72¢, then one dozen oranges cost \$ \_\_\_\_\_.
13.  $\frac{2}{9} + \frac{9}{2} =$  \_\_\_\_\_ (mixed number).
14. If 1 gram = .04 oz., then 7 pounds = \_\_\_\_\_ grams.
15.  $\frac{14}{17} \times 14 =$  \_\_\_\_\_ (mixed number).
16.  $34 \times 36 =$  \_\_\_\_\_.
17. Which is smaller of  $\frac{4}{9}$  or  $\frac{6}{13}$ ? \_\_\_\_\_.
18.  $18 \times 51 =$  \_\_\_\_\_.
19. The mean of 27, 18, and 33 is \_\_\_\_\_.
20.  $21 + 211 + 2111 + 21111 =$  \_\_\_\_\_.
21.  $15 \times 34 =$  \_\_\_\_\_.
22.  $21 \frac{1}{4} \div 7 =$  \_\_\_\_\_ (mixed number).
23.  $92 \times 97 =$  \_\_\_\_\_.
24.  $61 \times 12 =$  \_\_\_\_\_.
25.  $\frac{5}{8} =$  \_\_\_\_\_ % (mixed number).
26. How many positive integers less than 48 are divisible by 6? \_\_\_\_\_.
27.  $52_7 =$  \_\_\_\_\_  $10$ .
28. Find the area of a square whose diagonal is 8 mm. \_\_\_\_\_ sq. mm.
29.  $49 \times 101 =$  \_\_\_\_\_.
30.  $724 \div 5 =$  \_\_\_\_\_ (decimal).
31. How many days does July have? \_\_\_\_\_.
32.  $8 \frac{3}{5} \times 8 \frac{2}{5} =$  \_\_\_\_\_ (mixed number).
33. The LCM of 12 and 42 is \_\_\_\_\_.
34.  $531 \times 111 =$  \_\_\_\_\_.
35.  $4^2 + 12^2 =$  \_\_\_\_\_.
36.  $18382 \div 101 =$  \_\_\_\_\_.
37.  $\frac{\quad}{.81} =$  \_\_\_\_\_ (fraction).
38.  $84 \times 24 =$  \_\_\_\_\_.
39. How many days are there from September 26, 2009 to October 7, 2009? \_\_\_\_\_ days.
40.  $11 \times 12 + 13 \times 14 =$  \_\_\_\_\_.
41.  $4(1) + 18(2) + 2(8) =$  \_\_\_\_\_.
42. An item sells for x dollars plus 8% sales tax. If the sales tax is \$3.00, then x = \_\_\_\_\_.
43.  $7 \times 7 \frac{7}{8} =$  \_\_\_\_\_ (mixed number).
44.  $57^2 + 65^2 =$  \_\_\_\_\_.
45.  $8 \frac{1}{3} \times 9 =$  \_\_\_\_\_.

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1.  $791 - 197 =$  594.
2.  $35 \times 8 \div 7 + 4 =$  44.
3.  $\frac{1}{6} - \frac{1}{12} - \frac{1}{24} =$  1/24.
4.  $1 + 2 + 3 + \dots + 18 =$  171.
5.  $25 \times 24 =$  600.
6.  $65^2 =$  4225.
7.  $74 \times 11 =$  814.
8.  $637 \div 9 =$  70 7/9 (mixed number).
9.  $CCXVIII + CXXI =$  339 (Arabic Numeral).
10.  $301 \times 98 =$  29498.
11.  $382 \div 9$  has a remainder of 4.
12. If 3 oranges cost 72¢, then one dozen oranges cost \$ 2.88.
13.  $\frac{2}{9} + \frac{9}{2} =$  4 13/18 (mixed number).
14. If 1 gram = .04 oz., then 7 pounds = 2800 grams.
15.  $\frac{14}{17} \times 14 =$  11 9/17 (mixed number).
16.  $34 \times 36 =$  1224.
17. Which is smaller of  $\frac{4}{9}$  or  $\frac{6}{13}$ ? 4/9.
18.  $18 \times 51 =$  918.
19. The mean of 27, 18, and 33 is 26.
20.  $21 + 211 + 2111 + 21111 =$  23454.
21.  $15 \times 34 =$  510.
22.  $21 \frac{1}{4} \div 7 =$  3 1/28 (mixed number).
23.  $92 \times 97 =$  8924.
24.  $61 \times 12 =$  732.
25.  $\frac{5}{8} =$  62 1/2 % (mixed number).
26. How many positive integers less than 48 are divisible by 6? 7.
27.  $52_7 =$  37  $_{10}$ .
28. Find the area of a square whose diagonal is 8 mm. 32 sq. mm.
29.  $49 \times 101 =$  4949.
30.  $724 \div 5 =$  144.8 (decimal).
31. How many days does July have? 31.
32.  $8 \frac{3}{5} \times 8 \frac{2}{5} =$  72 6/25 (mixed number).
33. The LCM of 12 and 42 is 84.
34.  $531 \times 111 =$  58941.
35.  $4^2 + 12^2 =$  160.
36.  $18382 \div 101 =$  182.
37.  $\frac{\quad}{81} =$  9/11 (fraction).
38.  $84 \times 24 =$  2016.
39. How many days are there from September 26, 2009 to October 7, 2009? 12 days.
40.  $11 \times 12 + 13 \times 14 =$  314.
41.  $4(1) + 18(2) + 2(8) =$  56.
42. An item sells for x dollars plus 8% sales tax. If the sales tax is \$3.00, then x = \$37.5.
43.  $7 \times 7 \frac{7}{8} =$  55 1/8 (mixed number).
44.  $57^2 + 65^2 =$  7474.
45.  $8 \frac{1}{3} \times 9 =$  75.