

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

2009 MathEdge Speed Contest Advanced (Grades 6-8) - 10mins

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  $72\phi$ , 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.  $8 \frac{1}{3} \times 9 =$  \_\_\_\_\_.

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

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

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