



## Entry Level Trades Math Assessment Practice Test

### Directions

This practice test is provided for those preparing to take a **Trades Math Assessment Test**. It will provide you with a sampling of the kinds of questions you will see on the real assessment test. The actual test is timed. For most trades, you will have 60 minutes to do 50 questions of the type you see here. *Note: placement tests are designed to be written **once only**. It is better not to write the test until you feel ready.*

Read each question carefully and then choose the best answer. You may find it helpful to read all the possible answers before making a choice. It is important that you do the practice math questions **without a calculator** since calculators are not allowed during the real test. After you have completed the practice questions, check your answers with the answer key on **page 3**.

### Practice Questions

1. Divide: $54 \div 6 =$ a) 6                      b) 12                      c) 14                      d) 8                      e) 9
2. If the washing machine weighs 57 kg, the refrigerator weighs 69 kg, and the dishwasher weighs 43 kg, what is the combined weight? a) 194 kg                      b) 169 kg                      c) 159 kg                      d) 126 kg                      e) 112 kg
3. Multiply: $7008 \times 46 =$ a) 7 054                      b) 322 356                      c) 322 368                      d) 356 028                      e) 448 512
4. Determine how much Andrea would earn at \$7.08 an hour if she worked 4 hours on Monday, 7 hours on Tuesday, 8 hours on Wednesday and 4 hours on Friday. a) \$144.52                      b) \$144.78                      c) \$162.78                      d) \$162.84                      e) \$226.56
5. Compute the product: $9.37 \times 0.54 =$ a) 5.0598                      b) 8.83                      c) 9.91                      d) 17.352                      e) none of the above
6. Round 1984.27049 to the nearest thousandth. a) 1984                      b) 1984.270                      c) 1984.27049                      d) 1984.2705                      e) 2000
7. Compute $5 \frac{1}{4} + 3 \frac{1}{3} + 16 \frac{1}{2} =$ (make all fractions the same type) a) $24 \frac{1}{12}$ b) $24 \frac{1}{6}$ c) $24 \frac{3}{9}$ d) $25 \frac{1}{12}$ e) $25 \frac{1}{6}$

8. If you had 32 out of 48 test questions correct on your Trades assessment, what fraction of the total did you have correct?

- a)  $16/48$       b)  $2/3$       c)  $3/4$       d)  $1\frac{1}{2}$       e) **80**

9. A recipe for pastry calls for 1 part water, 2 parts lard and 4 parts flour. The chef wishes to use the last 9 cups of flour in the bag. How many cups of lard are required?

- a)  $2\frac{3}{4}$       b)  $4\frac{1}{2}$       c) 9      d) 18      e)  $31\frac{1}{2}$

10. If 35% of the cost of a \$70 repair bill was for parts and the rest was labour, how much did the labour cost?

- a) \$24.50      b) \$29.00      c) \$35.00      d) \$39.00      e) \$45.50

11. If  $2x + 5 = 19$ , then  $x =$

- a) 1      b) 7      c) 12      d) 14      e) 33

12. Simplify:  $2a + 3b + 5a + 6 + 3b =$

- a)  $6 + 6b + 7a$       b)  $6b + 6 + 5a$       c)  $7a + 3b + 6$       d)  $6 + 7a + 3b$       e)  $2a + 6b + 6$

13. If  $I = PRT$  then  $P =$

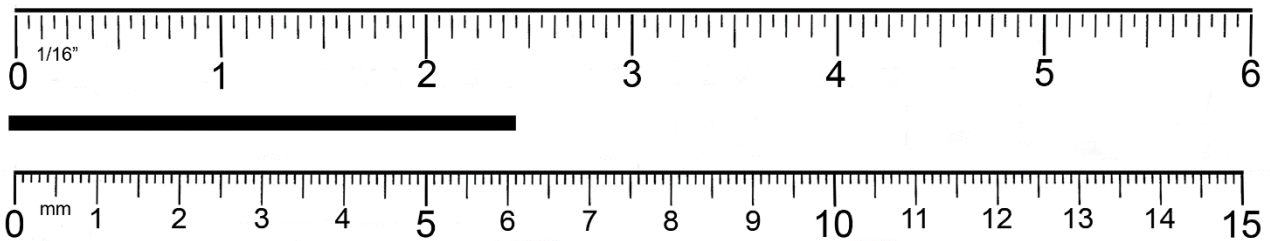
- a)  $\frac{I}{RT}$       b)  $IRT$       c)  $\frac{RT}{I}$       d)  $\frac{RI}{T}$       e)  $\frac{IT}{R}$

14. What is the circumference of a circle with a  $3\frac{1}{2}$  inch radius? ( $\pi = 3.14$ )

- a) 10.14"      b) 13.28"      c) 10.99"      d) 21.98"      e) 38.47"

15. What is the measurement point of the right end of the heavy line on the rulers below?

- a)  $2\frac{3}{4}$ " or 61cm      b)  $2\frac{7}{8}$ " or 61mm      c)  $2\frac{7}{16}$ " or 61mm      d)  $2\frac{3}{4}$ " or 6.1cm      e)  $2\frac{7}{16}$ " or 6.1mm



***Answer Key:***

- |             |              |              |              |              |              |              |             |
|-------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| 1. <b>e</b> | 2. <b>b</b>  | 3. <b>c</b>  | 4. <b>d</b>  | 5. <b>a</b>  | 6. <b>b</b>  | 7. <b>d</b>  | 8. <b>b</b> |
| 9. <b>b</b> | 10. <b>e</b> | 11. <b>b</b> | 12. <b>a</b> | 13. <b>a</b> | 14. <b>d</b> | 15. <b>c</b> |             |