

**MATH ASSESSMENT****Instructions:**

Below you will find a brief assessment that targets Adding, Subtracting, Multiplying, Dividing, Decimals, Fractions, Rates and Proportions, and Problem Solving. Complete the assessment at your own pace, and then check your answers with those provided. Once complete, review what needs to be worked on as prescribed.

1.  $2191 + 7168 + 2564 =$

- a. 11823
- b. 11923
- c. 12000
- d. 12673

2.  $800 - 746 =$

- a. 54
- b. 60
- c. 64
- d. 70

3.  $93 \times 70 =$

- a. 6103
- b. 6310
- c. 6510
- d. 7000

4.  $84 / 3 =$

- a. 19
- b. 28
- c. 29
- d. 31

5.  $.3 \times .323 =$

- a. .0969
- b. 0.969
- c. 09.69
- d. 096.9

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6.  $\frac{3}{4} \div 2 =$

- a.  $\frac{2}{8}$
- b.  $\frac{3}{8}$
- c.  $\frac{6}{4}$
- d.  $1\frac{1}{2}$

7.  $\frac{2.5 \text{ hrs}}{601} = \frac{14.583 \text{ hrs}}{x}$

- a. 350
- b. 360
- c. 372
- d. 380

8. The city of S.M.A.R.T. has five Fire Stations. In one week Station 1 responded to 27 calls, Station 2 responded to 18 calls, Station 3 responded to 100 calls, Station 4 responded to 28 calls, and Station 5 responded to 37 calls. On average, how many calls were made?

- a. 30
- b. 39
- c. 42
- d. 52

9. A vehicle collision occurred 17 km south of the hospital, which is 2 km north of the fire hall. How many km is the fire hall from the vehicle collision?

- a. 12
- b. 15
- c. 17
- d. 19

10. What is the surface area of a rectangular window pane that is 36 inches wide and 42 inches long?

- a. 1510
- b. 1512
- c. 1532
- d. 1553

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11. There are 138 containers on the train. The containers average 92 pounds in weight. How many pounds of containers must the train transport?
- 11697
  - 12225
  - 12696
  - 13675
12. 11.80 divided by 1.5 equals
- 6
  - 7
  - 8
  - 9
13. Rick was assigned a maintenance task to roll hoses. He rolled  $2\frac{1}{8}$  hoses and then stopped to respond to a call. Rick rolled  $3\frac{3}{4}$  more hoses when he returned from the call before lunch. In the afternoon, Rick rolled  $1\frac{1}{8}$  fewer hoses than in the morning. How many hoses did Rick roll altogether?
- $\frac{5}{8}$
  - 1
  - $5\frac{7}{8}$
  - $10\frac{5}{8}$
14. To create a disinfectant, bleach and water are mixed at the rate of  $\frac{1}{4}$  litres of bleach to  $\frac{3}{4}$  litres of water. How many litres of water are needed to mix with  $\frac{2}{3}$  litres of bleach?
- 1
  - 2
  - 3
  - 4

**MATH ASSESSMENT****Answers**

1. B - Review Adding Whole Numbers
2. A – Review Subtracting Whole Numbers
3. C – Review Multiplying Whole Numbers
4. B – Review Dividing Whole Numbers
5. A – Review Decimals
6. B - Review Fractions
7. A – Review Rates and Proportions
8. C – Review Word Problems and Whole Number Operations
9. B – Review Word Problems and Whole Number Operations
10. B – Review Word Problems and Whole Number Operations
11. C – Review Word Problems and Whole Number Operations
12. C – Review Word Problems and Decimals
13. D – Review Word Problems and Fractions
14. B – Review How to Identify Rates in Word Problems