

Seventh Grade Computation Sample  
Test

1) 
$$\begin{array}{r} 5 \text{ lbs. } 7 \text{ oz.} \\ -2 \text{ lbs. } 8 \text{ oz.} \\ \hline \end{array}$$

2)  $\sqrt{(3^2)(10^2)} =$

3)  $(-12)(3)(-2)(-1) =$

4) Solve for  $d$ :  $3\frac{1}{7}d = 88$

5)  $\frac{3+5.2-1}{4-3+2} =$

6)  $6\frac{2}{3} \div 0.02 \times 12 =$

7) Simplify:  $\frac{\frac{12}{3}}{\frac{4}{5}}$

8)  $(42) + (-23) + (-19) =$

9)  $7\frac{1}{2} \times 3 \times \frac{5}{9} =$

10) Solve for  $m$ :  $463 = m - 281$

11) 
$$\begin{array}{r} 43 \\ 76 \\ 84 \\ + 91 \\ \hline \end{array}$$

12)  $4 + 314 + 134 + 13,245 =$

13) 
$$\begin{array}{r} 551 \\ -174 \\ \hline \end{array}$$

14)  $778 \times 563 =$

15)  $89.2 \times 62.1 =$

16) Divide and round to two places:  
$$\frac{6.89}{2.17}$$

17)  $\frac{\frac{5}{7}}{\frac{4}{5}} =$

18)  $\frac{12}{105} \times \frac{14}{30} \times \frac{15}{14} =$

19) Find  $\frac{3}{8}$  of 42 =

20)  $30.60 \times 0.0409 =$

7<sup>th</sup> Grade Computation Test Key

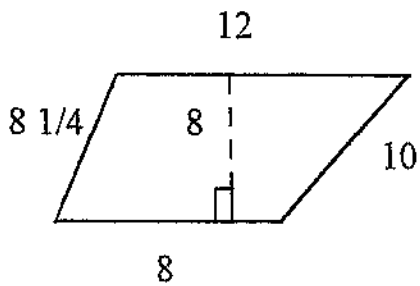
- 1) 2 lbs. 15 oz.
- 2) 30
- 3) -72
- 4) 28
- 5) 2.4
- 6) 4,000
- 7) 16
- 8) 0
- 9)  $12\frac{1}{2}$
- 10) 744
- 11) 294
- 12) 13,697
- 13) 377
- 14) 438,014
- 15) 5,539.32
- 16) 3.18
- 17)  $\frac{25}{28}$
- 18)  $\frac{2}{35}$
- 19)  $15\frac{3}{4}$
- 20) 1.25154

7<sup>th</sup> Grade Reasoning Test Key

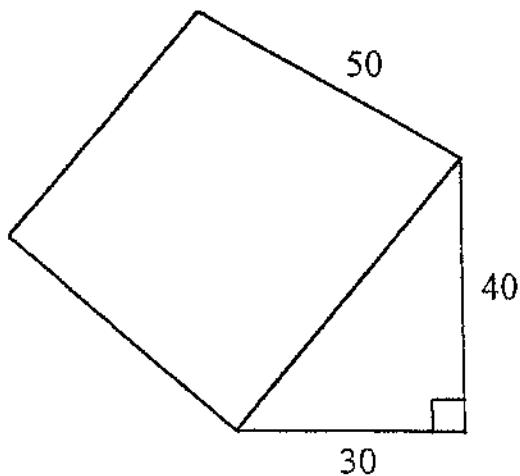
- 1) 144 ft.
- 2) \$0.51
- 3) 16
- 4)  $80\text{ ft}^2$
- 5)  $30,000\text{ mm}^3$
- 6) 84%
- 7) 3.14 m
- 8) 14 lbs.
- 9) \$50.00
- 10) 296,002
- 11) 1,229
- 12) 140 ft.
- 13) 29, 31, 37, 41, 43 47
- 14) 189,903
- 15) 777,727,757

Seventh Grade  
Reasoning Test

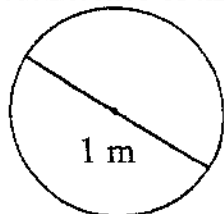
1. The blueprints were drawn to a scale of 1:24. If the length of a wall on the blueprint was 6 inches, what was the length in feet in the house?
2. Ginger gave the clerk \$10 for a tape that cost \$8.95 plus 6 percent tax. How much money should she get back?
3. Forty is 250 percent of what number?
4. Find the area of this trapezoid. Dimensions are in feet.



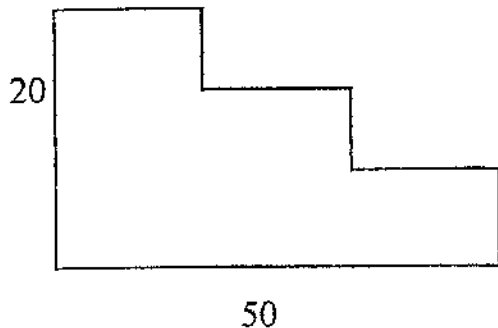
5. Find the volume of this triangular prism. Dimensions are in millimeters.



6. Nathan correctly answered 21 of the 25 questions. What percent of the questions did he answer correctly?
7. Find the circumference of this circle.



8. Seven dictionaries were stacked on the shelf. If 3 of the dictionaries weigh a total of 96 ounces, all 7 dictionaries weigh how many pounds?
9. Mildred bought 20 show tickets for \$2.50 each. If she gave the agent a \$100 bill, how much change did he receive?
10. Nine hundred eighty-four was increased by one hundred forty-seven thousand, seventeen. Then this sum was doubled. What was the final result?
11. The first number was 743. The second number was 486. The third number was twice the sum of the first two. What was the mean of the three numbers?
12. Find the perimeter of this figure. Dimensions are in feet. All angles are right angles.



13. What prime numbers are less than 50 but greater than 25?
14. Ward 4 reported 8 times as many votes as Ward 7 reported. Ward 6 reported 12 times as many votes as Ward 7 reported. If Ward 7 reported nine thousand forty-three votes, how many votes did the three wards report in all?
15. A number has nine digits. All the digits are 7 except the ten-thousands' digit, which is 2, and the tens' digit, which is 5. Write the number.