Unit 4 Assessment Review
Study Guide

Name **Answer Key**

Write > or < to make a true sentence.

1. 9.28 **>** 6.1

2. 8.708 **>** 1.6

3. $9.3 + 3.1$ **<** $14.8 + 1.9$

4. Write > or < to make a true sentence.
   $15.72 - 10.27$ **>** $6.2 - 2.9$

5. Write the following set of numbers in order from smallest to largest.
   0.004, 3.3, 5.5, 0.07, 0.05, 1.2 **0.004, 0.07, 0.05, 1.2, 3.3, 5.5**

6. Write 2 numbers between 1 and 2. Use decimals.
   Possible answers: 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9

7. Write 2 numbers between 5 and 6. Use decimals.
   Possible answers: 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9

8. Measure the line segment below to the nearest centimeter.

   7 cm

9. Measure the line segment below to the nearest half-centimeter.

   4cm

10. Draw a line segment that is 12.5 centimeters long.

11. List the first ten multiples of 9. **9, 18, 27, 36, 45, 54, 63, 72, 81, 90**

12. List the factor pairs of 12.

__1__ and __12__ , __2__ and __6__ , __3__ and __4__

13. Add mentally or with a paper-and-pencil algorithm.
$12.51 + 14.86 = \underline{27.37}$

14. Add mentally or with a paper-and-pencil algorithm.
$\underline{7.02} = 0.68 + 6.34$

15. Subtract mentally or with a paper-and-pencil algorithm.
$\$18.54 - \$12.10 = \underline{6.44}$

16. Add mentally or with a paper-and-pencil algorithm.
$\underline{20.25} = \$9.78 + \$10.47$

17. Find the solution of the open sentence.
$130 + r = 148$ r = 18

18. Find the solution of the open sentence.
$44 - m = 16$ m = 28

19. Find the solution of each open sentence.
$4 * m = 28$ m = 7

20. Write the solution for the open sentence.
$35/n = 7$ n = 5

21. Write 0.6 as a fraction. 6/10

22. Measure the length of the line segment in millimeters.
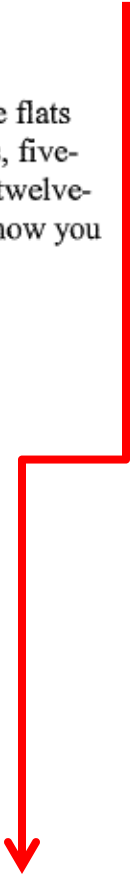Record your measurements in millimeters and centimeters.

4.5cm & 45mm

23. Measure the length of the line segment in millimeters. **12.5cm & 125mm**
Record your measurements in millimeters and centimeters.

_____

24. Mrs. Hopkins had $70.48 in her savings account. She withdrew $30.84. A week later, she deposited $30.47. What is the new balance in her savings account? Explain how you found your answer. **$70.48 – 30.84 = $39.64 $39.64 + $30.47 = $70.11**

25. Pete was working with base-10 blocks. He was using the big cube as the ONE. The flats were tenths. Pete counted 12 longs: 'one-tenth, two-tenths, three-tenths, four-tenths, five-tenths, six-tenths, seven-tenths, eight tenths, nine-tenths, ten-tenths, eleven-tenths, twelve-tenths'. He wrote 0.12 to show what the blocks were worth. Is Pete right? Explain how you found your answer.

Pete is wrong. The longs would represent the thousandths. So he should have counted up to 0.012. 12 thousandths.

First, I subtracted the withdrawal $30.84 from $70.48 which equaled $39. 64. Then, I added the deposit of $30.47 to the new balance of $39.64 which equaled $70.48.