

**Unit 7: Decimals**  
**Chapter Review Worksheet**

1. Write the standard form decimal, **382.8064**, in expanded form and in word form.
2. Jonathan drove 32.5 miles on Thursday and 32.49 miles on Friday. Which day did he drive further?

Copy and compare each decimal using  $<$ ,  $>$ , or  $=$ .

3.  $56.231$  \_\_\_\_\_  $6.975$                       4.  $0.7034$  \_\_\_\_\_  $0.705$

5. What is the value of the bolded, underlined number in  $9382.5391052$ ?
6. Order the following numbers from least to greatest.  $87.4524$ ;  $87.452$ ;  $87.454$ ;  $87.4525$
7. Joy drove 354.34 miles last week. Niles drove 287.873 miles last week. Estimate how many more miles Joy drove than Niles.

8. Estimate by rounding to the indicated place value.  $947.3487 + 48.6431$ ; hundredths

9. Estimate the product.  $53.4394 \times 8.3453$

10. Estimate the quotient by using compatible numbers.  $58.34593 \div 7.93453$

11. Estimate a range for the sum.  $34.3452 + 45.3453 + 5.63453$

12. Find the sum.  $134.12 + 45.983$

13. Find the difference.  $15 - 3.462$

14. Evaluate  $12.5 - k$  for  $k = 0.07$ .

15. Joy drove 354.34 miles last week. Niles drove 287.873 miles last week. How many more miles did Joy drive than Niles?

15. Find the product.  $9.2 \times 0.023$

16. Find the quotient.  $31.2 \div 12$

17. Evaluate  $95.2 \div m$  for  $m = 5.6$ .

18. The total length of six boards is 81 feet. What is the length of each board?

19. The area of a rectangle is  $27.9 \text{ m}^2$ . The length is 6.2 m. What is the width of the rectangle?

20. One candy bar costs \$0.89. How many candy bars can be purchased for \$5.50?

21. Mary bought 25 feet of weather stripping for \$32.50. What did she pay per foot?

22. A piece of fabric is 30 in. wide. How many strips, each 3.5 in. wide, can be cut from the fabric?

Solve each equation. Check your answer.

23.  $15.4 + x = 37$       24.  $y - 18.42 = 45.3$       25.  $5.9k = 13.57$       26.  $h \div 3.6 = 2.98$