

Operations with Whole Numbers and Decimals Assessment

Name _____

1. Add.
 $19.9 + 32.15$
(A) 34.14
(B) 34.04
(C) 51.05
(D) 52.05
2. Subtract.
 $29.31 - 15.5$
(A) 13.81
(B) 14.81
(C) 27.76
(D) 28.86
3. Multiply.
 12×25
(A) 200
(B) 255
(C) 290
(D) 300
4. Divide.
 $1,664 \div 32$
(A) 54 R26
(B) 54 R6
(C) 54
(D) 52
5. What is 0.5 of 0.5 gallons?
(A) 0.1 gallon
(B) 0.25 gallon
(C) 1 gallon
(D) 2.5 gallons
6. Find the product.
 0.3×0.15
(A) 0.045
(B) 0.450
(C) 4.50
(D) 45,000
7. Find the quotient.
 $5.6 \div 0.7$
(A) 0.8
(B) 3.92
(C) 8
(D) 80
8. If 6.3 is divided into groups of tenths, with 9 tenths in each group, how many groups can be made?
(A) 70
(B) 7
(C) 0.7
(D) 0.07

9. A model for a multiplication problem is given. Figure out what the problem is and determine the product. Show your work using the algorithm. Explain your thinking.

3,000	600	90
300	60	9

- 10.** A field beside Randy’s house is 0.7 acres. If Randy cuts the grass on 0.6 of the field, how many acres of grass will he cut?
Draw a model for the problem.
Explain the model.