

# Northwood High School

## Quantitative Literacy

### Summer Review Packet



This assignment should serve as a review of the math skills necessary for success. Our hope is that this review will keep your mind mathematically active during the summer months and help to identify your strengths and weaknesses coming into QL. Try to enjoy your summer, while staying sharp mentally. We look forward to working you in the fall.

**NOTE: This assignment will be collected on the first day of school and you will have a quiz directly from the packet during from the first week of school.**

Name \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_

## Quantitative Literacy Summer Assignment

- \_\_\_\_\_ 1. Write the following number using digit: thirty-seven thousand, fifty-six.
- \_\_\_\_\_ 2. Write 7,245,367 in short word form.
- \_\_\_\_\_ 3. Round 308,672 to the nearest thousand.
- \_\_\_\_\_ 4. Compare 0.115 and 0.109. Which number is greater?
- \_\_\_\_\_ 5. Add:  $\$56.58 + \$90.45 + \$7.08 + \$110.23$
- \_\_\_\_\_ 6. Align the decimals and subtract the following:  $18.67 - 12.063$
- \_\_\_\_\_ 7. Find the product:  $23.12 \times 1.12$
- \_\_\_\_\_ 8. Find the quotient. Round your answer to the nearest cent:  $\$46.7 / 0.52$
- \_\_\_\_\_ 9. Multiply and simplify:  $3 \frac{2}{3} \times 1 \frac{3}{8}$
- \_\_\_\_\_ 10. Divide and simplify:  $4 \frac{1}{2} \div 3 \frac{2}{3}$
- \_\_\_\_\_ 11. Add and simplify:  $\frac{3}{8} + \frac{1}{2} + \frac{2}{3}$
- \_\_\_\_\_ 12. Find the difference:  $\frac{8}{9} - \frac{3}{4}$
- \_\_\_\_\_ 13. Compare  $\frac{3}{4}$  and  $\frac{8}{9}$
- \_\_\_\_\_ 14. Change each percent to a decimal: a.) 34% b.) 1.5% c.) 125%
- \_\_\_\_\_ 15. Solve. Round the answers to the nearest cent: a.) 8% of \$125 b.) 6.5% of \$85 c.) 5.25% of \$250.
- \_\_\_\_\_ 16. Complete the problem:  $-6 + (-7)$
- \_\_\_\_\_ 17. Find the average for the following set of numbers 32, 68, 45, 53, 52
- \_\_\_\_\_ 18. Susan Nelson worked from 10:30 a.m. until 5:00 p.m. How many hours did Susan work?
- \_\_\_\_\_ 19. A farm stand needs to track its daily sales for scheduling purposes. Construct a bar graph of last week's sales using the information below.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
\$1,300	\$ 900	\$ 600	\$700	\$ 600	\$ 1,000	\$ 1,400

\_\_\_\_\_ 20. How many cubic feet are in one cubic yard?

\_\_\_\_\_ 21. A pencil measures 19 cm in length. What is the measure in meters?

\_\_\_\_\_ 22. Jacques Denault purchased a Renault in Paris for 18,000 euros. Given that the U.S. dollar equivalent of the euro is 0.8830, and the euro is 1.1325 per U.S. dollar, how much would 18,000 euros be in the currency of the United States?

\_\_\_\_\_ 23. A gallon of paint costs \$ 19.45 plus 5 percent sales tax. A homeowner estimates that it will take about 3 gallons of paint to paint the walls and trim. Estimate the bill for the paint.

\_\_\_\_\_ 24. Estimate first, then calculate the total cost of these school supplies: binder \$9.49, paper \$2.99, ruler \$0.99, pencils \$1.99, and pens \$14.99.

\_\_\_\_\_ 25. A leather coat that regularly sells for \$299 is on sale for  $\frac{1}{3}$  off. Estimate the sales price. (Workshop 26)