

Quantitative Literacy.  
Addendum Summer Packet

NAME \_\_\_\_\_

*Prerequisite: Algebra 2*

Quantitative Literacy is designed to enhance students' abilities in mathematical decision-making and financial literacy. Topics include checking, savings, investing, credit & financial pitfalls. They also include issues paying for college, career, budgeting, taxes & insurance. Emphasis is on the mathematical aspects of the topics.

**Gross Income**

1. Find the straight time pay:  $\$9.25$  per hour  $\times$  35 hours.
  - a.  $\$315.00$
  - b.  $\$317.25$
  - c.  $\$318.75$
  - d.  $\$323.75$
  
2. Find the overtime pay at the overtime rate of time and a half:  $\$8.50$  per hour  $\times$  44 hours.
  - a.  $\$374.00$
  - b.  $\$76.50$
  - c.  $\$51.00$
  - d.  $\$34.00$
  
3. Harold Crispen worked Monday, Tuesday, and Thursday from 9:00 A.M. to 4:30 P.M. with a half hour for lunch each day. What were his total hours worked?
  - a. 21.0
  - b. 22.5
  - c. 28.0
  - d. 30.0

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4. Eddie Foster packs and seals pens at the rate of \$0.235 per pack. At the end of his eight-hour shift, Foster has packed and sealed 480 packs of pens. How much did he earn?
- a. \$110.40
  - b. \$112.80
  - c. \$384.00
  - d. \$902.40
5. Sharise Brodhead folds and glues corrugated cardboard boxes at the rate of \$0.47 per box. If she averages 40 boxes an hour, how much is her average hourly pay?
- a. \$18.80
  - b. \$24.00
  - c. \$28.20
  - d. \$37.60
6. Paul Simmons earns \$47,500 as an office manager for a CPA firm. If his company issues weekly paychecks, how much is each check?
- a. \$913.46
  - b. \$989.58
  - c. \$1826.92
  - d. \$3,958.33

7. Julian Hathaway earns \$21,000 annually as an administrative assistant. If his company issues biweekly paychecks, how much is each check?

- a. \$403.85
- b. \$437.50
- c. \$807.69
- d. \$1,750.00

8. Walter Slater sells appliances and earns 2.5 percent commission in addition to his salary. Last month he sold \$63,000 in appliances. How much was his commission check?

- a. \$157.50
- b. \$393.75
- c. \$1,575.00
- d. \$5,250.00

9. Faith Bonds sells furniture and earns nine percent commission on her total sales. Last month she had \$33,500 in sales. How much did she earn?

- a. \$2,791.67
- b. \$2,865.00

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- c. \$2,976.88
- d. \$3,015.00

10. Donald Jones sells stereo equipment in an electronics store. He receives three percent commission on his first \$5,000 of sales, five percent on the next \$7,000, and six percent on sales over \$12,000. Jones's sales for the past month totaled \$17,600. What is his commission for the month?

- a. \$336.00
- b. \$528.00
- c. \$836.00
- d. \$1,056.00

**Purchases**

1. Toby Decker bought a DVD player for \$219.99. What is the sales tax if Decker lives in Macon, Georgia, where the state tax is 4 percent and the county tax is 4 percent?

- a. \$237.59
- b. \$228.79
- c. \$17.60
- d. \$8.80

2. A store in Melrose, Massachusetts advertised a 35-mm camera for \$259.99 and a wide-angle lens for \$89.99. What is the total purchase price if the combined state and city sales tax rate is 6 percent?

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- a. \$21.00
  - b. \$275.59
  - c. \$349.98
  - d. \$370.98
3. Joseph Bettino purchased an 11.5-ounce box of cereal for \$2.99. What is the unit price of the cereal?
- a. \$0.026 per ounce
  - b. \$0.26 per ounce
  - c. \$0.385 per ounce
  - d. \$3.85 per ounce
4. Jars of apple sauce are sold in four sizes. The price of a 12-ounce jar is \$1.99. The price of a 24-ounce jar is \$2.49. The price of a 28-ounce jar is \$2.79. The price of a 32-ounce jar is \$2.99. Based on price alone, which jar is the best buy?
- a. 12-ounce jar
  - b. 24-ounce jar
  - c. 28-ounce jar
  - d. 32-ounce jar
5. Warren Reynolds purchased a snow blower for \$999.99. The store gave him a manufacturer's rebate for \$75.00 to mail in. What is the final price of the snow blower?
- a. \$75.00

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- b. \$924.99
- c. \$999.00
- d. \$1,074.99

6. Jeanne Connors purchased a digital camera at a sale price of \$175.99. The regular selling price is \$219.99. What was the markdown?

- a. \$20.00
- b. \$44.00
- c. \$56.00
- d. \$395.98

7. Francine Jerrold has a 25 percent off coupon and is purchasing a graphing calculator that has a regular price of \$119.99. What is the sale price of the graphing calculator?

- a. \$89.99
- b. \$94.99
- c. \$99.99
- d. \$149.99

8. Sophie Housmann bought a used car for \$4,500. What is the sales tax if she lives in Gaithersburg, Maryland, where the sales tax rate is 5 percent?

- a. \$2.25
- b. \$22.50

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- c. \$225.00
- d. \$2,250.00

9. Ivy Glassman purchases a watch for \$79.99. The sales tax rate is 5 percent. What is the total purchase price?

- a. \$4.00
- b. \$75.99
- c. \$83.99
- d. \$84.99

10. Jose Martinez wants to purchase a lawn mower that regularly sells for \$399.99. This week the lawn mower is on sale for 20 percent off. What is the sale price?

- a. \$719.99
- b. \$479.99
- c. \$379.99
- d. \$319.99

### Net Income

1. Melika Yasin's gross pay for this week is \$355.00. She is married and claims no allowances. According to the table below, what amount will be withheld from Ms. Yasin's pay for FIT?

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| WEEKLY Payroll MARRIED |               |            |    |    |
|------------------------|---------------|------------|----|----|
| Wages                  |               | Allowances |    |    |
| At Least               | But Less Than | 0          | 1  | 2  |
| 330                    | 340           | 40         | 34 | 28 |
| 340                    | 350           | 42         | 35 | 29 |
| 350                    | 360           | 43         | 37 | 31 |
| 360                    | 370           | 45         | 38 | 32 |

- a. \$35
  - b. \$37
  - c. \$42
  - d. \$43
2. Donna Forrester's gross pay is \$72,500 a year. The state income tax rate is three percent of taxable wages. Donna takes a married exemption of \$3,000 for herself and her husband. How much is withheld from her gross earnings for state income tax for the year?
- a. \$2,085
  - b. \$2,175
  - c. \$70,325
  - d. \$70,415
3. Warren Anderson's annual salary is \$54,500. His personal exemptions total \$1,500. The annual tax withheld is: 1.5 percent of the 1st \$1,000, 3.0 percent of the next \$2,000, 4.5 percent of the next \$2,000, and 5.0 percent over \$5,000. How much is deducted annually for state income tax?



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- a. \$2,400
- b. \$2,565
- c. \$2,725
- d. \$2,890

4. Lonnie Flanagan's weekly gross pay is \$1,250. Each week she has \$64.37 in deductions, plus state tax of two percent of her gross pay, and Social Security and Medicare taxes of 7.65 percent of her income. What is her net pay?

- a. \$185.00
- b. \$1,058.79
- c. \$1,065.00
- d. \$1,435.00