

# Key Financial Literacy Pre/Post test 2018-19

34 pts

1-1

Finona Wolfe was paid \$9 an hour for 46 hours of work last week at her full-time job. She also worked 7 hours last week at her part-time job that pays \$11 an hour. What total gross pay did she receive last week from both jobs?

$$\begin{array}{r} 414 \\ + 77 \\ \hline \$491 \end{array}$$

491

1-2

Zygmund Oleksik is paid a salary of \$800 a week to manage a party store. What amount will he make in one year working at this job?

based on  
52 weeks

$$\begin{array}{r} 800 \\ \times 52 \\ \hline \$41,600 \end{array}$$

\$41,600

1-5

Frank Camps regular hourly pay rate is \$11.87 an hour. His overtime rate is time-and-a-half. How much is Frank paid per hour for overtime work?

$$11.87 \times 1.5 = 17.805 \approx 17.81$$

1-8

2

Tiffany Penfield is paid a salary of \$750 a month at her sales job. She also earns a commission on her sales in this way: 2% on all sales up to \$34,000 in a month and 8% on all higher sales. What were Tiffany's total earnings for a month where her total sales were \$80,000?

\$750

80%: 46000  
2%: 34000

$$\begin{array}{r} 680 \\ + 3680 \\ \hline 4360 \\ + 750 \\ \hline \$5110 \end{array}$$

\$5110

5

2-1

Phan Am Van earned gross wages of \$487.12. Phan's deductions were: \$57 in federal withholding taxes, 6.2% in social security taxes, 1.45% in Medicare taxes, \$28.74 in health insurance, and \$12 in union dues. Find Phan's net pay.

30.20  
7.06  
57  
28.74  
12

$487.12 - 30.20 - 7.06 - 57 - 28.74 - 12 = 352.12$

**\$352.12**

2-2

A job you are considering offers these benefits: paid vacations, \$2,230; paid holidays, \$2,450; paid pension, \$4,058.60; paid health insurance, \$428.90. What are the total benefits of the job?

**\$9,167.50**

2230  
2450  
4058.60  
+ 428.90  
9167.50

1-7

Tim O'Leary had a taxable income of \$19,600 last year. His employer withheld \$620 in state withholding taxes. If Tim's state has a 3% state income tax on taxable income, what amount should Tim receive as a refund?

620  
- 588

$19,600 \times .03 = 588$

**\$32**

3-3

On Friday, Carlotta Rowe's checking account balance was \$173.56. During the day Carlotta's employer deposited her \$516.45 pay directly to her checking account. At lunchtime, she wrote checks for \$172, \$86.43, and \$9.05, and made an ATM withdrawal from checking of \$150. What is the balance of Carlotta's checking account at the end of the day?

$$\begin{array}{r}
 173.56 + 516.45 \leftarrow 690.01 \\
 172 + 86.43 \leftarrow -417.48 \\
 + 9.05 + 150.00 \\
 \hline
 \boxed{\$272.53}
 \end{array}$$

$\boxed{\$272.53}$

2

3-5

The bank statement of Jake Hansen showed a balance of \$356.93. His check register showed a balance of \$308.34. When Jake compared the two records he found several differences. The bank statement listed these items not recorded in the register: ATM withdrawal, \$50; ATM user fee, \$2.25; direct deposit of paycheck, \$624.70; checks for \$287.23, \$180.11, and \$72.89. A check for \$85.89 was recorded in the register as \$58.89. The items not listed on the bank statement included checks for \$72.44, \$9.76, and \$113.57; and a \$50 deposit made after the statement closing date. Debit card purchases of \$85.67 and \$16.73 appeared on the statement but not in the register. Reconcile Jake's bank statement and check register.

Bank Statement

$$\begin{array}{r}
 356.93 \\
 - 72.44 \\
 - 9.76 \\
 - 113.57 \\
 + 50 \\
 \hline
 211.16
 \end{array}$$

$\boxed{211.16}$

Check Register

$$\begin{array}{r}
 308.34 \\
 - 50 \\
 - 2.25 \\
 + 624.70 \\
 - 287.23 \\
 - 180.11 \\
 - 72.89 \\
 - 85.67 \\
 - 16.73 \\
 - 27 \\
 \hline
 211.16
 \end{array}$$

3-7

The daily interest multiplier for a savings account paying 4% annual interest for 180 days is 1.020200. What compound amount will be in a savings account if \$5,000 is on deposit in the savings account for 180 days?

$$\begin{array}{r}
 5000 \times 1.020200 \\
 = \boxed{5101}
 \end{array}$$

6/16

4-1

Cora Fear borrowed \$1,500 for 18 months from her bank. Cora signed a promissory note that carried 15% interest. Find the amount of interest Cora must pay. Then find the amount she must repay to her bank on the due date.

$$1500 \times \frac{18}{12} \times .15 = \boxed{337.50} \text{ Int.}$$

2

$$1500 + 337.50 = \boxed{1837.50} \text{ Amt to repay}$$

4-4

Find the due date of a 4-month note dated February 6.

1

$\boxed{\text{June 6 or 6/6}}$

based on standard rules

4-5

You can buy a product for \$750 cash or pay \$150 down and the balance in 12 monthly payments of \$61.25. What is the installment price? By what percent would your installment price be greater than the cash price?

$$12 \times 61.25 = 735 + 150 = \boxed{885} \text{ Installment Price}$$

2

$$885 - 750 = 135$$

$$\frac{135}{750} = .18 \rightarrow \boxed{18\%} \text{ greater}$$

4-10

Mary Kelly borrowed \$380 for 20 days from her credit card company using a cash advance. The card company charged her a cash advance fee of \$20 and daily periodic rate of 0.044%. What was the finance charge on her loan?

2

$$380 \times 20 \times .00044 = 3.34$$
  
$$+ 20$$

$$\frac{0.044}{100} = .00044 \text{ (4.4E-4)}$$

$$\boxed{23.34}$$

Find the cost of each purchase.

6 cans of olives @ 2 for \$1.19

sets of 3  
1

$$1.19 \times 3 = \boxed{3.57} \text{ for 6 cans}$$

Find the unit price of each purchase.

3 frozen meals for \$14.98

1

$$\frac{14.98}{3} = 4.993 \approx \boxed{\$5.00} \text{ per meal}$$

A camcorder can be rented for \$35 a day, or \$125 a week. You need it for 6 days.  
How much cheaper is it to rent it for a week instead of by the day?

$$35 \times 6 = 210$$

$$210 - 125 = 85$$

2

$\boxed{\$85}$  cheaper to rent weekly

6-1

The home that Hilda Vaughan wants to buy sells for \$213,000. She plans to make a 5% down payment and borrow the balance at 7.67% for 25 years. Her monthly mortgage payments will be \$1,517.80. What total interest will Hilda pay over 25 years?

$$213,000 \times .05 = 10,650 \text{ down payment}$$

$$213,000 - 10,650 = 202,350 \text{ borrow/loan amt}$$

3

$$1,517.80 \times (25 \times 12) = 455,340 \text{ total payments over 25 year period}$$

$$455,340 - 202,350 = \boxed{252,990}$$

total int. over 25 years

6-5

Kerry Molloy's homeowners policy has a face value of \$78,200 and a \$250 deductible. How much of a \$4,783 loss will the insurance company pay?

$$4,783 - 250 = \boxed{4,533}$$

↑  
deduct.

Insurance Company Pays

1

6-7

A car bought for \$18,216 was sold for \$12,870 after 2 years of use. What was the car's rate of depreciation, to the nearest tenth percent?

$$2 \quad 18216 - 12870 = 5346 \text{ avg. dep.}$$

$$\frac{5346}{18216} \approx \frac{.2935}{2} \approx .147 \rightarrow \boxed{14.7\%}$$

6