Wages 2 – Problem Solving

Long-Term Memory Review
Review 1

1. You are given an hourly wage and the number of hours you work in a week.

    a) Explain how to compute the amount of money you earn in a week.

    b) The number of hours worked each week is called the _____ variable.

    c) The amount of money earned each week is called the _____ variable.

    d) The equation to determine total wages (W) for hours worked (h) in one week when the hourly wage is $6.50 per hour is _____. (Assume there is no overtime)

    e) Determine the number of hours you must work at $4.75 per hour in order to earn $104.50.

2. A company U-Move charges $30 to use a truck plus $0.20 for each mile the truck is driven.

    a) Because the total of the charges is dependent on _____, the _____ is the independent variable, and the _____ is the dependent variable.

    b) Determine the total cost if you have to drive 25 miles total.

    c) The equation to determine the total cost (C) of the charges to use a truck to move based on the number of miles (m) that is driven is _____

Wages 2 – Problem Solving

Long-Term Memory Review
Review 2

1. You are given an hourly wage and the number of hours you work in a week.

    a) Explain how to compute the amount of money you earn in a week.

    b) The number of hours worked each week is called the _____ variable.

    c) The amount of money earned each week is called the _____ variable.

2. A company U-Move charges $50 to use a truck plus $0.20 for each mile the truck is driven.

    a) Because the total of the charges is dependent on _____, the _____is the independent variable, and the _____ is the dependent variable.

    b) Determine the total cost if you have to drive a truck 25 miles.

    c) Determine the total cost if you have to drive a truck 48 miles.

    d) Determine the number of miles you can use the truck if the charges are $92.

        A) 200 miles   B) 210 miles   C) 220 miles   D) 230 miles

    d) The equation to determine the total cost (C) of the charges to use a truck to move based on the number of miles (m) that is driven is _____.

3. Determine your total wages if you receive $5.25 per hour, time-and-a-half for time over 8 hours in a day, and you work 9.5 hours on a given day.

Wages 2 – Problem Solving

Long-Term Memory Review
Review 3

1. You are given an hourly wage and the number of hours you work in a week.

    a) Explain how to compute the amount of money you earn in a week.

    b) The number of hours worked each week is called the _____ variable.

    c) The amount of money earned each week is called the _____ variable.

    d) The equation to determine total wages (W) for hours worked (H) in one week when the hourly wage is $6.50 per hour is _____. (Assume there is no overtime)

2. A company U-Move charges $58 to use a truck plus $0.23 for each mile the truck is driven.
    a) Because the total of the charges is dependent on _____, the _____ is the independent variable, and the _____is the dependent variable.

    a) The equation to determine the total cost (C) of the charges to use a truck to move based on the number of miles (m) that is driven is _____.

    b) Determine the number of miles you can use the truck if the charges are $68.58.

3. You are paid a weekly salary of $200 to sell computer equipment. You also receive a commission of 8% of all items you sell during that week.

    a) Because your total wages is dependent on _____, the _____ is the independent variable, and the _____ is the dependent variable.

    b) Determine your total wages for the week if you sell $1,856 worth of equipment in one week.

    c) You need to have $420 in total wages this week in order to meet your financial obligations. How much equipment would you need to sell in order to reach that amount?
    A) $200.00   B) $2150.00   C) $2750.00   D) $3500.00

Wages 2 – Problem Solving

Long-Term Memory Review

<u>Review 4</u>

1. You are given an hourly wage and the number of hours you work in a week.

   a) Explain how to compute the amount of money you earn in a week.

   b) The number of hours worked each week is called the _____ variable.

   c) The amount of money earned each week is called the _____ variable.

   d) The equation to determine total wages (W) for hours worked (h) in one week when the hourly wage is $6.50 per hour is _____. (Assume there is no overtime)

2. You are paid a weekly salary of $150 to sell computer equipment. You also receive a commission of 7% of all items you sell during that week.

   a) Because your total wages is dependent on _____, the _____ is the independent variable, and the _____ is the dependent variable.

   b) You need to have $416 in total wages this week in order to meet your financial obligations. How much equipment would you need to sell in order to reach that amount?

3. A company U-Move charges $60 to use a truck plus $0.30 for each mile the truck is driven.

   a) What is the equation needed to determine the total cost (C) of the charges to use a truck to move based on the number of miles (m) that is driven? _____.

   b) Determine the number of miles you can use the truck if the charges are $123.00.

Wages 2 – Problem Solving

Long-Term Memory Review
<u>Quiz</u>

1. You are given an hourly wage and the number of hours you work in a week.

   a) Explain how to compute the amount of money you earn in a week.

   b) The number of hours worked each week is called the _____ variable.

   c) The amount of money earned each week is called the _____ variable.

   d) The equation to determine total wages (*W*) for hours worked (*h*) in one week when the hourly wage is $6.50 per hour is _____. (Assume there is no overtime)

2. A company U-Move charges $80 to use a truck plus $0.25 for each mile the truck is driven.
   a) Because the total of the charges is dependent on _____, the _____ is the independent variable, and the _____is the dependent variable.

   b) The equation to determine the total cost (*C*) of the charges to use a truck to move based on the number of miles (*m*) that is driven is _____.

   c) Determine the total cost if you have to drive 27 miles total.

   d) Determine the number of miles you can use the truck if the charges are $132.50.

3) You are paid a weekly salary of $200 to sell computer equipment. You also receive a commission of 8% of all items you sell during that week.
   a) Because your total wages is dependent on _____, the _____ is the independent variable, and the _____ is the dependent variable.

   b) What is the equation to use to determine your total wages (*W*) for one week based on the amount you sold (*s*) in one week?

   c) Determine your total wages for the week if you sell $1,856 worth of equipment in one week.

   d) You need to have $420 in total wages this week in order to meet your financial obligations. How much equipment would you need to sell in order to reach that amount?
      A) $220.00   B) $1250.00   C) $2250.00   D) $2750.00

Wages 2 – Problem Solving

Long-Term Memory Review

ANSWERS

Review 1 – Answers

1. a) Determine the number of regular hours and the number of overtime hours. Multiply the regular hours times the hourly wage, then add the overtime hours times the overtime rate of pay.
   b) <u>independent</u> variable
   c) <u>dependent</u> variable
   d) $W=6.50\,h$
   e) 22 *hours* worked

2. a) number of miles; miles; cost
   b) $35.00
   c) $C=\$30 + .20m$

Review 2 – Answers

1. a) Determine the number of regular hours and the number of overtime hours. Multiply the regular hours times the hourly wage, then add the overtime hours times the overtime rate of pay.
   b) <u>independent</u> variable
   c) <u>dependent</u> variable

2. a) number of miles; miles; cost
   b) $55.00
   c) $72.00
   d) B. 210 miles
   e) $C=\$50 + .20m$

3. $53.81

Review 3 – Answers

1. a) Determine the number of regular hours and the number of overtime hours. Multiply the regular hours times the hourly wage, then add the overtime hours times the overtime rate of pay.   b) <u>independent</u> variable
   c) <u>dependent</u> variable

2. a) number of miles; miles; cost
   b) $C = \$58 + .23m$
   c) 46 miles

3. a) commission; commission; wages
   b) $348.48
   c) C. $2750.00

Review 4 – Answers

1. a) Determine the number of regular hours and the number of overtime hours. Multiply the regular hours times the hourly wage, then add the overtime hours times the overtime rate of pay.
   b) <u>independent</u> variable
   c) <u>dependent</u> variable

2. a) commission; commission; wages
   b) $3800

3. a) $C = \$60 + .30m$
   b) 210 miles

Quiz – Answers

1. a) Determine the number of regular hours and the number of overtime hours. Multiply the regular hours times the hourly wage, then add the overtime hours times the overtime rate of pay.

Wages 2 – Problem Solving

Long-Term Memory Review

    b) <u>independent</u> variable

    c) <u>dependent</u> variable

2.   a) number of miles; miles; cost

    b) $C = \$80 + .25m$

    c) \$86.75

    d) 210 miles

3.   a) commission; commission; wages

    b) $W = \$200 + .08s$

    c) \$348.48

    d) D. \$2750.00