

Tips and Shift Premiums

- 1) A waiter served a family. Their bill is \$78. The family wants to leave a 15% tip. Determine their tip.

$$78 \times 0.15 = 11.70$$

- 2) A waiter served a family. Their bill is \$45. The family wants to leave a 10% tip. Determine their tip.

$$45 \times 0.10 = 4.5$$

- 3) A waiter served a family. Their bill is \$208.79. The family wants to leave an 18% tip. Determine their total bill.

$$208.79 + 18\% \text{ TIP} = 246.37$$

- 4) A waiter served a family. Their bill is \$119.27. The family wants to leave a 20% tip. Determine their total bill.

$$119.27 + 20\% \text{ TIP} = 143.12$$

- 5) A waiter served a family. Their bill is \$60. The family leaves a \$5 tip. Determine the percent of the tip.

$$\frac{5}{60} \times 100 = 8.3\%$$

- 6) A waiter served a family. Their bill is \$118.54. The family pays \$140. Determine the percent of the tip.

$$\frac{140}{118.54} = 1.181 \rightarrow 18.1\%$$

- 7) A waitress earns \$9.50 per hour, plus gets 10% of all tips collected by the staff during her shift. One shift she works 6h15min and the staff collects \$1243.28 in tips. Determine her gross pay for her shift.

$\frac{15}{60} = .25$

$$9.50 \times 6.25 = 59.38$$

$$10\% \times 1243.28 = 124.33$$

$$59.38 + 124.33 = 183.71$$

- 8) A waitress earns \$10.30 per hour. Her restaurant has a standard 15% tip policy. One shift she works 7h45min and her customers spend a total of \$1467.86. Determine her gross pay for her shift.

$\frac{45}{60} = \frac{3}{4} = .75$

$\frac{15}{100} = .15$

$$10.30 \times 7.75 = 79.83$$

$$15\% \times 1467.86 = 220.18$$

$$79.83 + 220.18 = 300$$

- 9) A warehouse worker earns \$11.50 per hour. There is a shift premium of \$1.00 per hour between 8:00pm and 8:00am. One shift he works from 5:00pm to 1:00am. Determine:

a. the number of hours he works.

$$5 \text{ pm} \rightarrow 1 \text{ am} = 8 \text{ HRS}$$

- b. the premium wage and the number of hours he gets the premium.

$$11.50 + 1 = 12.50$$

$$8 \text{ pm} \rightarrow 1 \text{ am} = 5 \text{ HRS}$$

c. the percentage of his shift that is premium.

$$\frac{5}{8} = 0.625 \times 100 = 62.5\%$$

d. his gross pay for the shift.

$$(5 \times 12.50) + (3 \times 11.50) = 62.5 + 34.5 = 97$$

- 10) A warehouse worker earns \$14.85 per hour. There is a shift premium of \$1.75 per hour between 10:00pm and 6:00am. One shift he works from 7:00pm to 2:00am. Determine:

a. the number of hours he works.

$$7 \text{ pm} \rightarrow 2 \text{ am} = 7 \text{ HRS}$$

- b. the premium wage and the number of hours he gets the premium.

$$14.85 + 1.75 = 16.60$$

$$10 \text{ pm} \rightarrow 2 \text{ am} = 4 \text{ HRS}$$

c. the percentage of his shift that is premium.

$$\frac{4}{7} = 0.571 \times 100 = 57.1\%$$

d. his gross pay for the shift.

$$(4 \times 16.60) + (3 \times 14.85) = 66.4 + 44.55 = 110.95$$

11) A warehouse worker earns \$12.35 per hour. There is a shift premium of \$2.50 per hour between 10:00pm and 6:00am. He does not get paid overtime. One week he works the following hours:

<u>8</u> m	<u>8</u> t	<u>7</u> w	<u>8</u> t	<u>10</u> f
8am-4pm	6pm-2am	8pm-3am	7pm-3am	6pm-4am
	4	5	5	6

a. the number of hours he works.

$$8+8+7+8+10 = \boxed{41 \text{ HRS}}$$

b. the premium wage and the number of hours he gets the premium.

$$\frac{12.35 + 2.50}{}$$

$$\boxed{\$14.85}$$

c. the percentage of his hours that is premium.

$$4+5+5+6 = \boxed{20 \text{ HRS}}$$

d. his gross pay for the week.

$$(20 \times 14.85) + (21 \times 12.35)$$

$$297 + 259.35$$

$$\boxed{\$556.35}$$

$$\begin{array}{r} 41 \\ - 20 \\ \hline 21 \end{array}$$