

$$\frac{\$}{hr} \cdot hr = \$$$

Section 1.1 – Practice Problems

1. Complete the following chart. *Multiply these together*

Job	Hourly Wage	# of hours worked	Gross Income
Landscaper	\$9.85/hr	40	\$ 394
Custodian	\$19.50/hr	35	\$ 682.50
Dog Groomer	\$11.25/hr	20	\$ 225.00
Security Guard	\$15.30/hr	12	\$ 183.60

2. Complete the following chart. *Divide Income by hours*

Job	Hourly Wage	# of hours worked	Gross Income
Painter	\$ 10.75	50	\$537.50
Dishwasher	\$ 11.25	18	\$202.50
Retail Employee	\$ 9.15	27	\$247.05
Crossing Guard	\$ 10.45	12.5	\$130.63

$$\frac{\$}{hr} = \$/hr$$

3. Jasmine works at a grocery store and makes 14.50/hr. Last week she worked two 12 hour days and three 8 hour days. She gets time and a half for hours after 8. What was her Gross income for the week?

Days worked

12 → 8 + 4

12 → 8 + 4

8

8

8

$8.5 = 40$

Reg Pay $40 \cdot 14.50 = 580$

Time and a Half $8 \cdot 14.50 \cdot 1.5$

↓

\$ 174

Total: $580 + 174 = \boxed{\$754}$

4. Kevin works at the Navy Base as a Pipefitter, he makes \$32/hr. He makes double time for night shifts or weekends and time and a half for any hours after 8 during day shifts. Below is a list of his shifts for the last two weeks, how much is his Gross pay.

8hr	Monday	8am - 4pm		Monday	Off	
Double Time 8hr	Tuesday	3pm - 11pm		Tuesday	7am - 6pm	8hr + 3hr Time 1/2
8hr	Wednesday	8am - 4pm		Wednesday	Off	
Double Time 8hr	Thursday	3pm - 11pm		Thursday	3pm - 11pm	8hr Double Time
	Friday	Off		Friday	7am - 6pm	8hr + 3hr Time 1/2
Double Time 8hr	Saturday	8am - 4pm		Saturday	8am - 4pm	8hr Double Time
	Sunday	Off		Sunday	8am - 4pm	8hr Double Time

Reg Time: $4 \cdot 8 \cdot 32 = 1024$
 Time and a Half: $6 \cdot 32 \cdot 1.5 = 288$
 Double Time: $6 \cdot 8 \cdot 32 \cdot 2 = 3072$

Total: \$4384

5. Bonnie makes \$12.40/hr and works as a server. On Tuesday she worked for 6 hours and twenty minutes and made \$110 in tips. How much did she make in total and what is her real hourly wage?

6h
 $6 \frac{1}{3} = \frac{19}{3}$ hours
 $20 \text{ min} = \frac{1}{3} \text{ hr}$
 $\frac{19}{3} \cdot 12.40 = \78.53
 $\frac{110}{6 \frac{1}{3}} = \$17.37/\text{hr}$
 Real wage: $12.40 + 17.37 = \$29.77$

6. Sara made \$250 during her 8 hour shift. She made \$160 dollars in tips. What is her actual hourly wage?

Tips:
 $\frac{250}{8} = \$31.25/\text{hr}$
 $\frac{160}{8} = \$20/\text{hr}$
 Total: \$51.25/hr