

Section 7.1a – Practice Problems

1. Complete the following chart.

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
Security Guard	\$15.30/hr	12	\$ 183.60

2. Complete the following chart.

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

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?

12 12 8 8 8
 8 8 8 8 8 Reg
 4 4 T 1/2

$40 \cdot 14.5 = 580$
 $8 \cdot 14.5 \cdot 1.5 = 174$

\$ 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.

Reg	Monday	8am - 4pm		Monday	Off	
Dbl	Tuesday	3pm - 11pm		Tuesday	7am - 6pm	Reg + 3 at 1.5
Reg	Wednesday	8am - 4pm		Wednesday	Off	
Dbl	Thursday	3pm - 11pm		Thursday	3pm - 11pm	Dbl
	Friday	Off		Friday	7am - 6pm	Reg + 3 at 1.5
Dbl	Saturday	8am - 4pm		Saturday	8am - 4pm	Dbl
	Sunday	Off		Sunday	8am - 4pm	Dbl

Reg: 32hr $32 \cdot 32 = 1024$
 T $\frac{1}{2}$: 6hr $6 \cdot 32 \cdot 1.5 = 288$
 Dbl: 48hr $48 \cdot 32 \cdot 2 = 3072$

\$ 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 20 mins
 \downarrow
 6 $\frac{1}{3}$ hr

$6 \frac{1}{3} \cdot 12.40 = \78.53
 $78.53 + 110 = 188.53$

$\frac{\$188.53}{6h} = \$31.42/hr$

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

$250 + 160 = 410$
 $\frac{\$410}{8hr} = \$51.25/hr$