

**CHAPTER 2****EARNING AN INCOME****2.1 WAGES AND SALARIES****BUILD YOUR SKILLS, P. 76**

- $4\frac{1}{7}$
  - $54\frac{7}{9}$
  - $34\frac{19}{29}$
  - $7\frac{1}{2}$
  - $24\frac{7}{8}$
  - $66\frac{2}{3}$
- $\frac{61}{11}$
  - $\frac{43}{9}$
  - $\frac{263}{17}$
  - $\frac{61}{8}$
  - $\frac{64}{5}$
  - $\frac{127}{12}$
- \$83.60
- \$834.80
- \$1215.50
- \$3765.28
  - \$868.91
- \$13.82/h
- \$9.88/h

**TIME CARD: MONTY**

Day			Total Hours
	IN	OUT	
Monday	3:30	6:45	3.25 h
Tuesday			
Wednesday	5:00	9:30	4.5 h
Thursday	5:00	9:30	4.5 h
Friday	3:30	7:00	3.5 h

Monty earned \$148.84.

**10. TIME CARD: HAE-RIN**

Day	Morning		Afternoon		Total Hours
	IN	OUT	IN	OUT	
Monday	7:45	9:00	5:00	7:45	1.25 h + 2.75 h
Tuesday			4:00	8:00	4 h
Wednesday	9:00	11:00			2 h
Thursday	9:00	11:00	3:00	5:00	2 h + 2 h
Friday			3:00	6:00	3 h
Saturday	9:00	12:00			3 h

Hae-rin earned \$255.20.

- Pete will earn \$971.68 for the week.
- Ingrid will earn \$537.81 per week.
- Nathalie will earn \$5436.24 during the summer.

**PRACTISE YOUR NEW SKILLS, P. 85**

- \$107.50
- \$92.70
- Juanita would earn more per week at the second job, even though she would be working fewer hours, so she should take the second job.
- \$129.96
- \$300.16
- \$381.70

**2.2 ALTERNATIVE WAYS TO EARN MONEY****BUILD YOUR SKILLS, P. 87**

- \$366.00
- \$51.75
- \$51.00

4. \$254.00/job
5. \$3.75/quart
6. 550 words
7. \$94.31
8. \$15 018.00
9. \$701.05
10. 7%
11. 5%
12. \$2128.89
13. \$479.52
14. \$414.63
15. about 11%

**PRACTISE YOUR NEW SKILLS, P. 95**

1. a) \$231.00      b) \$189.00
2. \$160.00
3. \$6250.00
4. \$12.63/h
5. a) The other contractor's bid is \$14 382.00.  
Jeff could lower his bid to that amount; he  
would make a profit of \$1683.90.
- b) \$33.68/h

**2.3 ADDITIONAL EARNINGS****BUILD YOUR SKILLS, P. 98**

1. \$175.00

2. Since \$275.00/month is more than 12% of his  
regular pay, he should take that offer.
3. Darren: \$198.40; Sean: \$123.04
4. \$527.75
5. \$481.25
6. The bonus of 28% of his regular pay is more  
than \$1250.00, so Chen should take the  
28% bonus.
7. \$208.10/day
8. about 12%
9. \$121.30

**PRACTISE YOUR NEW SKILLS, P. 104**

1. \$51 890.00
2. \$795.63
3. a) Each waiter would receive \$2028.40 in tips  
for the month.
- b) Each waiter would make \$1521.30.
4. \$840.29
5. \$4887.62

**2.4 DEDUCTIONS AND NET PAY****BUILD YOUR SKILLS, P. 107**

1. \$112.50
2. \$1.50
3. \$78.11
4. about 23%

5. a) about 15%      b) 5.9%
6. about 1.7%
7. \$687.62
8. \$2301.43
9. a) \$575.00/week      b) \$470.27/week
- c) 8.3%

**PRACTISE YOUR NEW SKILLS, P. 113**

1. a) \$1098.84      b) \$2211.96
2. about 23%
3. \$790.21

**CHAPTER TEST, P. 114**

4. \$12.54/h
5. \$19 500.00
6. \$42 816.00
7. The second job would pay \$40.00 more per year.
8. 3%
9. \$281.20
10. \$186.30
11. \$873.75
12. \$75.87
13. \$3274.16
14. \$38.73
15. a) \$985.80      b) \$24.65/h

**CHAPTER 3**  
**LENGTH, AREA, AND VOLUME**  
**3.1 SYSTEMS OF MEASUREMENT**
**BUILD YOUR SKILLS, P. 120**

1. a) 53.6 cm      b) 43.6 cm
- c) 7.6 m
2. 780 cm
3. 240 m
4. 122 ft
5. about 33.3 m
6. 104 m
7. 1099.5 cm
8. Bernard needs  $13\frac{1}{2}$  ft of 2 by 4 lumber and  $52\frac{1}{2}$  ft of 2 by 2 lumber.
9. 12 ft
10. 740 boards
11. The cages will not fit along a 30' wall. They are 2" too wide.
12. The garden circumference is about 20 feet, so Gordon will need 20 geraniums.
13. The height of the pipe is 6'7". Craig is 6'6" tall, so he will be able to walk under the finished pipe.

**PRACTISE YOUR NEW SKILLS, P. 129**

1. a)  $3\frac{1}{2}$  feet      b) 1 ft 4 in
- c)  $2\frac{2}{3}$  yards      d) 8800 yards