Earning Commission

Packet #2 1/2 Credit

EXAMPLE Santiago sells furniture. He earns a 10% commission on his sales up to his quota of $2,500. Santiago earns a 14% commission on all sales beyond $2,500. Last week his sales were $4,966. How much did Santiago earn?

Quota	*Rate*	*Sales*	*Bonus Rate*
$2,500	10%	$4,966	14%

Step 1:
$ 2,5 00
× .10 Regular
$250.00 Commission

Step 2:
$ 4,966
−2,500
$ 2,466

Step 3:
$ 2,4 66
× .14
98 64
+246 6
$345.24 Bonus Commission

Step 4:
$250.00 Regular Commission
+345.24 Bonus Commission
$595.24 Total Commission

Santiago earned $595.24.

Directions Compute the total commission for each example below. Add the bonus commission to the regular commission.

	Quota	Rate	Sales	Bonus Rate	Total Commission
1.	$5,300	11%	$5,783	21%	_____
2.	$8,700	6%	$14,536	17%	_____
3.	$1,600	11%	$1,889	13%	_____
4.	$5,600	8%	$9,490	15%	_____
5.	$9,400	10%	$11,447	14%	_____
6.	$4,500	5%	$7,730	13%	_____
7.	$8,800	4%	$10,317	7%	_____
8.	$4,600	2%	$7,377	4%	_____
9.	$2,500	8%	$3,795	10%	_____
10.	$1,900	8%	$2,021	10%	_____
11.	$4,600	9%	$8,365	15%	_____
12.	$8,800	3%	$3,848	10%	_____
13.	$4,400	5%	$8,161	11%	_____
14.	$7,000	9%	$9,471	13%	_____

Salary Plus Commission

EXAMPLE Armand sells automobiles. He earns a weekly salary of $156 plus a commission of 0.4% on all his sales. Last week his sales were $153,782. What did he earn?

Step 1

$153,782	Sales
× .004	Rate of commission
$615.128	Commission

Step 2

$156.00	Salary
+ 615.13	Commission
$771.13	Total earnings

Armand's total earnings were $771.13.

Directions Find the commission and total earnings for the sales listed below.

	Total Sales	Rate of Commission	Salary Earned	Commission	Total Earnings
1.	$50,000	2%	$200	_____	_____
2.	$31,000	3%	$100	_____	_____
3.	$45,000	2.4%	$150	_____	_____
4.	$450,000	1.5%	$125	_____	_____
5.	$61,129	2.8%	$250	_____	_____
6.	$64,732	3.2%	$100	_____	_____
7.	$63,794	1.9%	$150	_____	_____
8.	$19,376	2.45%	$100	_____	_____
9.	$90,276	3.27%	$260	_____	_____
10.	$37,385	2.87%	$170	_____	_____
11.	$17,396	1.67%	$350	_____	_____
12.	$3,945	2.34%	$160	_____	_____
13.	$323,386	1.91%	$140	_____	_____
14.	$32,784	4.03%	$200	_____	_____
15.	$1,357,369	0.42%	$100	_____	_____
16.	$29,864	2.73%	$200	_____	_____
17.	$98,773	1.42%	$250	_____	_____
18.	$76,764	3.12%	$100	_____	_____
19.	$18,363	1.44%	$230	_____	_____
20.	$94,735	2.61%	$170	_____	_____

Name Date Period

Workbook Activity
Chapter 1, Lesson 13
13

Addition of Decimals

EXAMPLE 3 + 2.4 + 0.06 =

Write this:

```
  3          OR      3.00
  2.4                2.40
+ .06              +0.06
 5.46               5.46
```

EXAMPLE 4 + 0.35 + 1.082 =

Write this:

```
 4.000
 0.350
+1.082
 5.432
```

Helpful Hints

a) Remember that the number 3 can be expressed as a decimal, that is, 3 5 3.0 5 3.00.

b) Remember that the decimal points must be lined up before you begin to add.

c) Remember to place the decimal point in the sum as shown in the examples.

d) Remember to place zeros in the addends to help with the addition.

Directions Add. Place zeros in the addends.

1.
```
  3.00
  2.93
 +0.78
```

2.
```
  4.00
  5.103
 23.049
+02.9012
```

3.
```
  5.09
  2.036
+90.345
```

4.
```
  1.026
  4.56
 63.0071
+101.0000
```

5.
```
 34.03
  5.602
  3.8401
 +23.1000
```

6.
```
  6.7
   .347
  9.62
 +2.200
```

7.
```
   .506
 41.0033
  9.1
+61.0000
```

8.
```
  6.3
   .037
  7.0322
 +82.9000
```

9.
```
 39.041
  6.7
  5.06
+74.000
```

10.
```
  923.1
   73.12
    7.00002
+000.64000
```

11.
```
   3.3
    .0093
   73.00381
+2,920.08000
```

12.
```
 402.1005
  61.03
   4.6
+022.3700
```

Directions Write these in the vertical form and add.

13. 2.3 + 0.46 + 91.308 = _____

14. 8 + 3.9 + 0.73 = _____

15. 7.5 + 4.4 + 5 = _____

16. 0.76 + 1.3 + 6 = _____

17. 5.8 + 1 + 0.406 = _____

18. 66.02 + 8.1 + 5 = _____

19. 8 + .702 + 32.1 = _____

20. 63 + 4.56 + 5.8 = _____

Name Date Period

Workbook Activity
Chapter 2, Lesson 1
14

Expressing Prices

EXAMPLE Newspaper ads for food stores often report prices in both dollars and cents. To compare prices we must be able to express prices in both cents and dollars.

Express \$0.45 in cents.
\$0.45 = 45¢

Express 89¢ in dollars.
89¢ = \$0.89

EXAMPLE Some prices are quoted in fractions of a cent, such as \$1.026. To express this amount in cents, move the decimal point two places to the right.

\$1.026 = 102.6¢

Directions Express these prices in dollars and cents. It is important to use the correct symbol in the price.

	Cents	Dollars		Cents	Dollars
1.	47¢	_____	**11.**	1.9¢	_____
2.	_____	\$0.52	**12.**	_____	\$0.005
3.	32¢	_____	**13.**	77.4¢	_____
4.	_____	\$1.79	**14.**	_____	\$0.0021
5.	_____	\$2.55	**15.**	9¢	_____
6.	59¢	_____	**16.**	_____	\$0.066
7.	_____	\$1.05	**17.**	.05¢	_____
8.	36¢	_____	**18.**	_____	$1\frac{43}{}$
9.	_____	\$0.04	**19.**	.78¢	_____
10.	5¢	_____	**20.**	_____	$1\frac{56}{}$

Reading Prices

EXAMPLE It is not unusual to see food prices written without the dollar sign, $, or the cents sign, ¢. Most of the time it is easy to understand what the price is.

A) 56¢ B) $0.56 C) .56 All three prices mean fifty-six cents.

However, every so often a mistake is made and a price is listed incorrectly. In the following list, which price is not the same value as the other three?

A) 149¢ B) $1.49 C) $149 D) 1^{49} E) 1.49

Price C is not the same. Price C represents one hundred and forty-nine dollars. Prices A, B, D and E all represent one hundred forty-nine cents.

Directions Write the letter of the price that is not equal to the other three.

	A	B	C	D	
1.	47¢	$0.47	.47¢	.47	_____
2.	$1.05	1.05¢	105¢	1^{05}	_____
3.	$0.32	32¢	.32	$32	_____
4.	.05¢	$0.05	.05	5¢	_____
5.	.78	78¢	7.8¢	$0.78	_____
6.	59¢	5.9¢	.59	$.59	_____
7.	$35	.35	$0.35	35¢	_____
8.	86¢	8.6¢	.86	$0.86	_____
9.	$96	.96	$0.96	96¢	_____
10.	5¢	.5¢	$0.05	.05	_____
11.	$1.07	$107	1.07	1^{07}	_____
12.	5^{79}	$5.79	$0.579	5.79	_____
13.	5.99	5^{99}	$599	$5.99	_____
14.	2^{49}	2.49	$2.49	$249	_____
15.	9¢	.09	$0.09	.09¢	_____
16.	3^{88}	388	$388	$3.88	_____

Name Date Period

Workbook Activity
Chapter 2, Lesson 3
16

Adding Prices

EXAMPLE The fresh produce bin at the roadside stand posted these prices.

Broccoli	Cucumbers	Bananas	Cantaloupes	Lettuce	Apples
97¢ per lb	3 for 2^{99}	$1 for 3 lb	2 for $5	99¢ each	88¢ lb

Tarika purchased 2 lb broccoli, 3 lb bananas and 2 heads of lettuce. How much do these items cost together?

Step 1 Write the decimal point in each price.

broccoli, 97¢ –> $0.97
bananas, $1 –> $1.00
lettuce, 99¢ –> $0.99

Step 2 Find the multiples of each price

2 lb broccoli $2 \times .97 = \$1.94$
3 lb bananas $1 \times 1.00 = \$1.00$
2 heads lettuce $2 \times .99 = \$1.98$

Step 3 Add the prices

$$\begin{array}{r} \$1.94 \\ 1.00 \\ +\ 1.98 \\ \hline \$4.92 \end{array}$$

Tarika spent $4.92 on this produce.

Directions From the chart find the price for each food item listed below. The find the total cost of each group of items.

1. 3 lb broccoli
2 cantaloupes
1 lb apples _____

2. 3 cucumbers
2 heads lettuce _____

3. 6 lb bananas
1 head lettuce
3 cucumbers _____

4. 1 lb broccoli
3 cucumbers
3 lb bananas
2 cantaloupes
1 head lettuce _____

5. 6 lb apples
2 lb broccoli _____

6. 9 lb bananas
4 heads lettuce
2 cantaloupes _____

7. 4 lb apples
1 head lettuce
3 cucumbers _____

8. 2 lb broccoli
3 lb apples
3 heads lettuce
6 cucumbers _____

9. 3 lb bananas
10 cantaloupes
1 lb broccoli _____

10. 4 cantaloupes
3 cucumbers _____

11. 3 lb bananas
1 head lettuce
6 cucumbers _____

12. 6 lb broccoli
3 cucumbers
3 lb bananas
2 cantaloupes
1 head lettuce _____

13. 6 lb broccoli
3 lb bananas _____

14. 4 lb broccoli
2 heads lettuce
4 lb apples _____

15. 6 lb bananas
3 heads lettuce
12 cucumbers _____

16. 2 lb apples
3 lb bananas
5 heads lettuce
15 cucumbers _____

Name Date Period

Computing Change

EXAMPLE Shaunna paid for purchases of $16.95 with a $20.00 bill. Compute her change.

Shaunna's change was 1 nickel and 3 one-dollar bills.

Do not give more than
1 nickel,
2 dimes,
3 quarters,
4 pennies,
4 $1-bills, or
1 $5-bill.

Directions Compute the change for each of these purchases. The answer to Number 1 is 1 dime.

	Purchase Price	Cash	Change
1.	$9.90	$10	
2.	$7.69	$8	
3.	$12.67	$13	
4.	$2.02	$5	
5.	$7.32	$20	
6.	$11.12	$20	
7.	$13.92	$14	
8.	$13.03	$14	
9.	$5.53	$6	
10.	$9.10	$10	
11.	$7.94	$8	
12.	$8.52	$20	
13.	$5.96	$20	
14.	$6.90	$20	
15.	$5.38	$10	
16.	$12.21	$20	
17.	$4.49	$20	
18.	$7.81	$8	
19.	$0.11	$10	

Subtraction of Decimals

EXAMPLE $3.63 - 0.734 =$

Write this:
$$\begin{array}{r} 3.630 \\ -\ .734 \\ \hline 2.896 \end{array}$$
← Insert a zero here.

EXAMPLE $8 - 0.631 =$

Write this:
$$\begin{array}{r} 8.000 \\ -\ .631 \\ \hline 7.369 \end{array}$$
← Insert zeros here.

Helpful Hints

a) Remember to fill places in the minuend and subtrahend with zeros when necessary.

b) Remember to keep the decimal points lined up.

Directions Insert zeros and subtract.

1. $34.3 - 5.64$

2. $4 - .349$

3. $7.302 - .83$

4. $5.1 - 1.204$

5. $48.22 - 3.489$

6. $39.4 - .0371$

7. $10 - 3.4005$

8. $356.748 - 7.8$

9. $5.602 - 4.0498$

10. $81.923 - 23.9047$

11. $38 - .0273$

12. $9 - .9$

13. $3 - .0234$

14. $74.73 - 5.332$

15. $7465.2 - .9098$

16. $37 - 8.394$

Directions Write these in the vertical form and subtract.

17. $23.4 - 4.56 =$ _____

18. $4 - 0.48 =$ _____

19. $63.2 - 4.509 =$ _____

20. $16 - 1.34 =$ _____

21. $82 - 2.302 =$ _____

22. $38.809 - 7.7081 =$ _____

23. $9 - 3.4051 =$ _____

24. $0.983 - 0.01023 =$ _____

Name Date Period

Workbook Activity
Chapter 2, Lesson 6
19

Coupons for More than One

EXAMPLE Karen has a coupon that offers a savings of $1.25 on any two cartons of orange juice. Each carton is marked $4.99. How much will the two cartons cost with the coupon?

Step 1 Multiply

$$\begin{array}{r} \$4.99 \\ \times \quad 2 \\ \hline \$9.98 \end{array}$$

Step 2 Subtract

$$\begin{array}{r} \$9.98 \\ -\ 1.25 \\ \hline \$8.73 \end{array}$$

Directions For each set of items, find the cost when a coupon is used.

	Item	Price for 1 Item	Coupon Value	Cost
1.	Peanuts	$0.99	25¢ on 2 bags	
2.	Crackers	$2.50	35¢ on 2 boxes	
3.	Potato chips	$1.79	30¢ on 2 bags	
4.	Sliced American cheese	$3.49	95¢ on 3 packs	
5.	Gelatin	$2.09	75¢ on 4 boxes	
6.	Batteries	$2.89	85¢ on 3 packs	
7.	Italian bread	$0.88	20¢ on 2 loaves	
8.	Pasta	$1.89	50¢ on 4 boxes	
9.	Coffee	$6.09	$1.75 on 4 cans	
10.	Paper towels	$0.99	$1.00 on 6 rolls	
11.	Taco sauce	$1.09	45¢ on 3 jars	
12.	Mustard	$1.59	70¢ on 4 jars	
13.	Popcorn	$2.59	$1.00 on 5 boxes	
14.	Zip-close bags	$3.29	85¢ on 3 boxes	
15.	Pasta sauce	$1.29	75¢ on 5 jars	
16.	Salad bar	$2.79 per pound	55¢ on 2 lbs.	
17.	Pancake mix	$2.39	$1.25 on 6 boxes	
18.	Aluminum foil	$3.19	80¢ on 3 rolls	
19.	Oatmeal	$1.89	25¢ on 2 packages	
20.	Frozen dinners	$3.49	$1.10 on 4 dinners	

Pounds and Ounces

EXAMPLE Luis is buying a can of tomatoes. There are many different sized cans in the store. Luis sees one containing 29 oz, another with 1 lb 12 oz. He wants to figure out which one is bigger.

Step 1 Write both weights in ounces

Recall 1 lb = 16 oz
1 lb 12 oz = 16 oz + 12 oz = 28 oz

Step 2 Compare the weights.

The weights are 29 oz and 28 oz
The can weighing 29 oz is bigger.

Directions Circle the largest weight in each problem. Circle them both if they are equal.

1.	48 oz	2 lb 10 oz
2.	32 oz	2 lb
3.	1 lb 6 oz	24 oz
4.	29 oz	2 lb
5.	5 oz	5 lb
6.	13 oz	1 lb
7.	2 lb	36 oz
8.	3 lb 5 oz	50 oz
9.	10 lb 10 oz	160 oz
10.	65 oz	4 lb 15 oz