

## Lesson 1.4 Commission

### Exercises

1. A salesperson who works on a straight commission basis sold 6 home air-conditioning systems at \$2,320 each. The commission rate was 12%. What was the amount of commission?
2. Ingrid Sering sells two types of garden fountains on a straight commission basis. On one fountain that sells for \$869, she gets a commission of \$174. On the other fountain that sells for \$1,260, she gets \$252. During a 3-month selling season, Ingrid sold 19 of the lower-priced fountains and 23 of the higher-priced fountains. What were her total commissions for three months?
3. Isadore Vogt has a new sales job that pays a straight commission of 4% on all sales. The average weekly sales for his territory are \$20,400. At this sales rate, how much could Isadore earn in one year of work, rounded to the nearest thousand?
4. Pauletta Detweiler is paid a salary of \$325 a week plus  $2\frac{3}{4}\%$  commission on weekly sales over \$6,500. Her sales last week totaled \$17,400. What were her total earnings for the week?
5. A store pays its salespeople on a salary plus commission basis. The store pays a 3.2% commission on sales over a weekly quota. The sales of four employees for last week are shown below. Find for each person the amount of commission and total earnings for the week.

	Salesperson	Sales	Quota	Commission	Salary	Total Earnings
a.	Homer Pedri	\$12,980	\$4,200		\$310	
b.	Beth Adams	\$11,600	\$4,800		\$350	
c.	Andrea Berger	\$16,040	\$4,500		\$355	
d.	Keith Ryan	\$10,800	\$5,100		\$370	

6. Wesley Bowman sells children's toy storage bins at craft shows. His commission is based on the number of bins sold in a month. He earns \$45 each for the first 20 bins, \$60 for the next 20 bins, and \$75 for each bin over 40 bins. Wesley sold 28 sets in October and 56 in November. What was his total commission for the two months?

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7. MSA Products, Inc. pays its salespersons 6% commission on all sales and 3.5% more commission on all monthly sales over \$40,000. In August, Giselle Campagna sold \$56,000 worth of goods for MSA. What was her commission for August?
8. Nick Billups is paid a salary of \$900 a month, a 2% commission on all sales, and 1.8% more on monthly sales over \$17,500. In June, his sales were \$48,500 and in July, \$50,200. a. Find his total salary and commission for June. b. Find his total salary and commission for July.
9. Ann Wills is offered a sales job with two firms. Boden Tools offers her a salary of \$800 a month, a commission of 3% on total monthly sales, and 3% more on monthly sales over \$75,000. Sentor, Inc. offers her a commission of 2.5% on the first \$45,000 of monthly sales, 4.5% on the next \$20,000 of monthly sales, and 7% on all monthly sales over \$65,000. If Ann could average \$87,000 in sales a month at either job, at which job could she earn more per month, and how much more?
10. Find the amount of commission and the rate of commission, to the nearest tenth of a percent, paid on sales for each person.

	Name	Total Monthly Income	Salary	Sales	Amount of Commission	Rate of Commission
a.	Hewitt Van Lowe	\$4,100	\$800	\$91,600		
b.	Bernyce Alger	\$3,150	\$1,270	\$40,000		
c.	Moira Wade	\$2,800	\$700	\$29,200		
d.	Burwell Crane	\$5,600	\$550	\$194,230		

11. Myrtle Gould's total sales last month were \$180,700, and her commission was \$5,040. She earns a commission only on monthly sales over \$50,000. Find her rate of commission to the nearest tenth percent.