

Graduated Commission

Numeric Response

1. A commission is an amount of money that you are paid for selling a product or service. Your commission rate may be a specified amount of money for each sale or it may be a percent of the total value of your sales. A graduated commission offers a different rate of commission for each of several levels of sales.

$$\text{Commission} = \text{commission_Rate} \times \text{Total_Sales}$$

$$\text{Total_Graduated_Commission} = \text{Sum_of_Commissions_for_All_Levels_of_Sales}$$

Becky sells appliances. She is paid a commission of 5.10 percent of her first \$1,300 in sales during the week and 13 percent on all sales over \$1,300. What is her commission in a week during which she sells \$2,139.23 worth of appliances? Express your answer as a dollar amount and round to the nearest cent.

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Dora sells appliances. She is paid a commission of 4.28 percent of her first \$1,600 in sales during the week and 12 percent on all sales over \$1,600. What is her commission in a week during which she sells \$1,731.47 worth of appliances? Express your answer as a dollar amount and round to the nearest cent.

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Juanita sells electronics. She is paid a commission of 3.50 percent of her first \$1,600 in sales during the week and 14 percent on all sales over \$1,600. What is her commission in a week during which she sells \$1,768.07 worth of electronics? Express your answer as a dollar amount and round to the nearest cent.

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Rosa sells cosmetics. She is paid a commission of 6.56 percent of her first \$1,700 in sales during the week and 11 percent on all sales over \$1,700. What is her commission in a week during which she sells \$2,823.85 worth of cosmetics? Express your answer as a dollar amount and round to the nearest cent.

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Becky sells appliances. She is paid a commission of 5.40 percent of her first \$1,500 in sales during the week and 15 percent on all sales over \$1,500. What is her commission in a week during which she sells \$3,458.55 worth of appliances? Express your answer as a dollar amount and round to the nearest cent.

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Rosa sells electronics. She is paid a commission of 4.67 percent of her first \$1,300 in sales during the week and 15 percent on all sales over \$1,300. What is her commission in a week during which she sells \$2,877.41 worth of electronics? Express your answer as a dollar amount and round to the nearest cent.

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Answer Section**

NUMERIC RESPONSE

1. ANS: 175.40

PTS: 1

2. ANS: 84.26

PTS: 1

3. ANS: 79.53

PTS: 1

4. ANS: 235.14

PTS: 1

5. ANS: 374.78

PTS: 1

6. ANS: 297.32

PTS: 1

