Number

Lesson 12 Assessment

Solving Problems Involving Coupons and Discounts

Solving Problems Involving Coupons and Discounts			
Calculates the percent of an amount of money in one way What is 20% of $150? Use a percent as a fraction. 20% is one-fifth. So, 20% of $150 is: $150 ÷ 5 = $30	Calculates the percent of an amount of money in more than one way What is 20% of $150? Use mental math. 10% of $150 is $15. So, 20% of $150 is: $15 × 2 = $30 Use a percent as a decimal. 20% is 0.20. So, 20% of $150 is: 0.20 × $150 = $30	Determines the better deal between a coupon and a percent discount In a sale, there are two choices: • a $20 off coupon • a 15% discount Which is the better deal for an Item with a regular price of $80? Sale price with the coupon: $80 – $20 = $60 Sale price with the discount: 85% of $80 = 0.85 × $80 = $68 The coupon provides the better deal.	Flexibly solves problems involving coupons and/or percent discounts Chris collects vinyl records. Chris's favourite music store has a 25% off sale. As a frequent customer, Chris receives an additional 15% off the sale price of any record. How much does Chris pay for a record with a regular price of $36? The first discount for the record is: 25% of $36 = $36 ÷ 4, or $9 The sale price before the frequent customer discount is: $36 – $9 = $27 The frequent customer discount is: 15% of $27 = 0.15 × $27, or $4.05 So, the final sale price is: $27 – $4.05 = $22.95
Observations/Documentation			