Slide 1 — Opener

Opener

1. What is the cost of a $35 baseball bat after 6% sales tax?

2. A new glove and ball are priced $29.99, but you have a coupon for 15% off. What is the price of the glove and ball with the coupon?

3. Joanne can swim 25 yards in 18 seconds. What is her speed in yards per minute?

$$100 + 6 \quad 1.06 \times 35 \quad \$37.10$$

$$100 - 15 = 85 \quad .85 \times 29.99 = 25.10$$

$$\frac{25}{18} = 1.3\overline{8} \quad 1.38 \times 60 = 82.80$$

Feb 7-10:23 AM

Slide 2 — Markup and Markdown Homework

Markup and Markdown Homework

Find the total cost to the nearest cent.

1. $72 game; 20% discount
2. $14 meal; 20% tip
3. $24 lunch; 15% tip
4. $18.95 football; 15% discount
5. $14.99 clock; 10% discount
6. $74.95 jacket; 5% tax
7. $185 DVD player; 6% markup
8. $213 ski jacket; 30% discount
9. $149 MP3 player; 40% discount
10. $7.95 lunch; 15% tip

11. **MEAL** Enrique took his family out for dinner. He planned to leave a 15% gratuity on the bill. What is the total cost if the bill was $123.50?

12. **RADIO** A radio is on sale for $50. If this price represents a 10% discount from the original price, what is the original price to the nearest nickel?

13. **COMPUTER** Lionel is buying a computer that normally sells for $890. The state sales tax rate is 6%. What is the total cost of the computer including sales tax?

$$1.06 \times 890 = 943.40$$

14. **BASKETBALL** Find the price of a $35 basketball that is on sale for 50% off the regular price.

Oct 2-12:00 PM

Slide 3 — Learning Target

Learning Target

I can solve multi-step percent problems.

Jun 14-2:02 PM

Slide 4

$$100 - 50 = 50$$

A shirt is priced $60. It is marked 50% off, and then an additional 50% off. What is the price of the shirt?

$$60 \times 0.5 = 30 \qquad 30 \times 0.50 = \$15$$

Oct 2-12:01 PM

Slide 5 — Multiple Percents

Multiple Percents

Multiple Percents: do them in order – **do NOT combine percents**.

1. What is the final price of a $45 item with 15% off and then there is 6.5% sales tax?

$$100 - 15 = 85 \qquad 100 + 6.5 = 106.5$$

$$.85 \times 45 = \$38.25$$

$$\times 1.065$$

$$\boxed{\$40.74}$$

$$40.736\ldots$$

Feb 7-10:36 AM

Slide 6

2. My bill at Office Max was $156.50, but I get 10% off for being a teacher. THEN, the check-out guy gave me an additional 15% off for being awesome ☺ what was my final bill?

$$100 - 10 = 90 \qquad 100 - 15 = 85$$

$$.90 \times 156.50 = 140.85$$

$$\times .85$$

$$\$119.72$$

Feb 11-2:01 PM

3. Your subtotal came to $35.50, but you have to add 6% tax, and then you add on another 15% tip. What is the final bill?

4. A pair of shoes is ticketed $49.99, but marked 15% off. You have a coupon for an additional 10% off the sale price. You, of course, will also have to pay 6.75% sales tax on your shoes. What is the total cost of the shoes?

$$\begin{array}{c} 100 \\ -15 \\ \hline .85 \end{array} \times 49.99 = 42.49$$
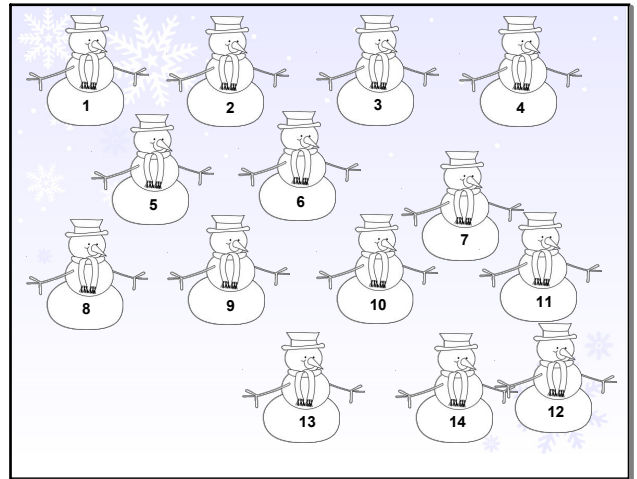
$$\begin{array}{c} 100 \\ -10 \\ \hline 90 \end{array}$$

$$.90 \times 42.49 = 38.24$$

$$40.82$$

$$\begin{array}{c} 100.00 \\ 6.75 \\ \hline + \\ 1.0675 \end{array}$$

$$1.0675$$

$$1.0675 \times 38.24 =$$

Feb 11-2:02 PM

1 2 3 4
5 6 7
8 9 10 11 12
13 14

Feb 7-10:44 AM

1. A sweater priced at $34.99 is o sale 25% off, find the cost with 7.5% sales tax.

Feb 7-10:52 AM

2. If a skirt is priced at $42.50, but is 25% off, find the new ticket price after the discou and 5.2% sales tax.

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3. The dinner bill came to $64.99. What will the final cost be with 6% sales tax and a 20% tip?

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4. A mountain bike is on sale for 45% off. If the original price is $230, what is theprice after the discount and 7.5% sales tax?

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2

5. A shirt is priced at $12. What is the price after a 15% discount and 6% sales tax?

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6. Emily wants a new Coach bag that is ticketed at $245. The bag is subject to 7.5% sales tax, and Emily has $260. Does she have enough money?

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7. The price of a new Sony sound system was $556, but is now marked 30% off. What is the price after the discount and 8% sales tax?

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8. A calendar is regularly priced at $9, but is on sale for 75% off. What is the price after th discount and 5.6% sales tax?

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9. A telescope is regularly priced at $180, but is on sale for 25% off. What is the price after the discount and 5% sales tax?

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10. Suzanne gets 7% commission on all of her sales. If she makes a sale of $350,000, how much commission will she make?

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11. A sound system has a regular price of $249. Find the total cost if it is on sale for 50% off, and the sales tax is 5.75%.

Feb 7-10:57 AM

12. Suppose your restaurant bill comes to $28.35. Find your total cost if the tax is 6.25% and you leave a 20% tip on total amount.

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13. A computer is priced at $1575, but is on sale for 15% off. What is the price of the computer after the discount and 7.5% sales tax?

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14. What is the price of a video game system that is priced at $178.90 with a tax rate of 3.75%?

Feb 7-10:58 AM

Summary

Alisha is trying to determine if she has enough money for a new snowsuit. The snowsuit is priced $135, and she has a coupon for 15% off, and then there is 6% sales tax. She has $125 - does she have enough money?

Jun 14-2:02 PM

Feb 7-12:18 PM