Opener

1. A customer wants to tip 15% on a restaurant bill that is $35. What will be the total bill with tip?

2. A haircut costs $20. Sales tax is 4.75%. Is $25 sufficient to cover the haircut with tax and a 15% tip?

3. Scott wants to tip his taxicab driver 20%. If his commute costs $15, what is the total cost?

Feb 7-10:23 AM

Learning Target

I can calculate percent change.

Dec 11-2:36 PM

Percent of Change

Percent Change is the _____ by which a value changes over time. To calculate percent change, you find the ratio: $\frac{amount\ of\ change}{original\ amount}$ and change it to a percent.

Jun 16-9:37 AM

Examples:

1. Last year 237 people attended the Winter Concert. This year attendance was 295. What is the percent of increase in attendance?

2. There are 848 students at SMS this year. In 2005 there were 792 students enrolled at SMS. What is the percent of change?

3. I bought a pair of boots on Black Friday for $39.99. The boots were originally $129.99. What is the percent of discount?
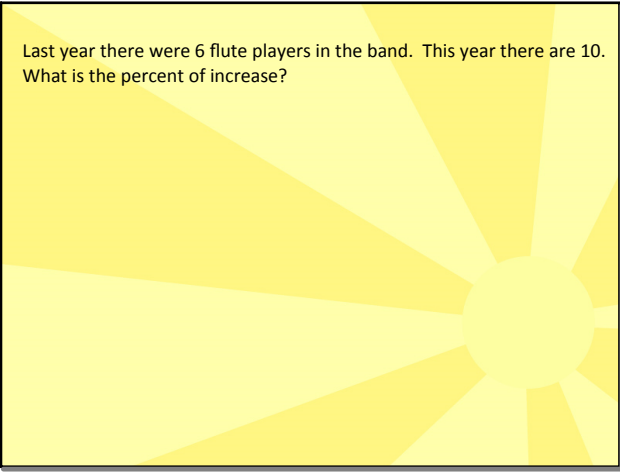
Dec 11-2:36 PM

You try:

1. Last year 762 students went to the Back to School and Halloween dances. This year only 645 students attended the two dances. What is the percent of decrease?

2. In 6th grade Austin read 104 books. So far this year, he has only read 32 books. What is the percent of change?

3. Lilly bought a flat iron that was on sale for $98.99. If the flat iron was originally $144.99, what was the percent of discount?
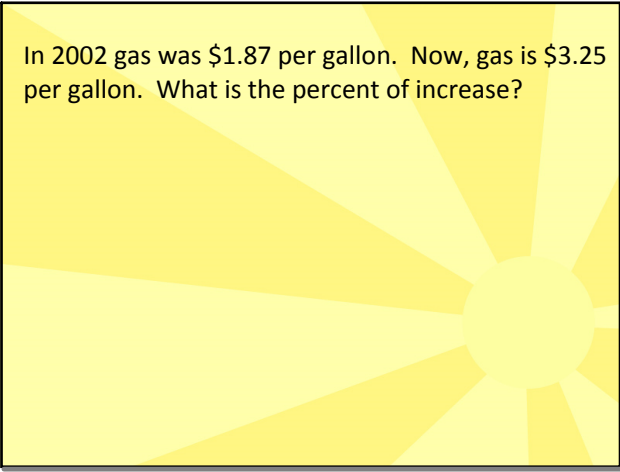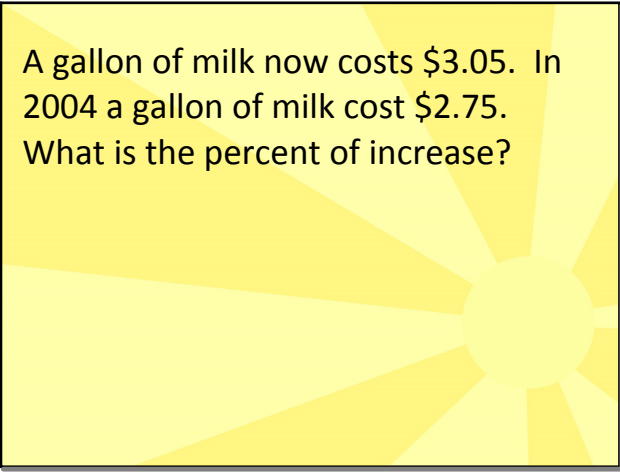
Dec 11-2:36 PM

Table Challenge

Jun 16-9:38 AM

Last year there were 6 flute players in the band. This year there are 10. What is the percent of increase?
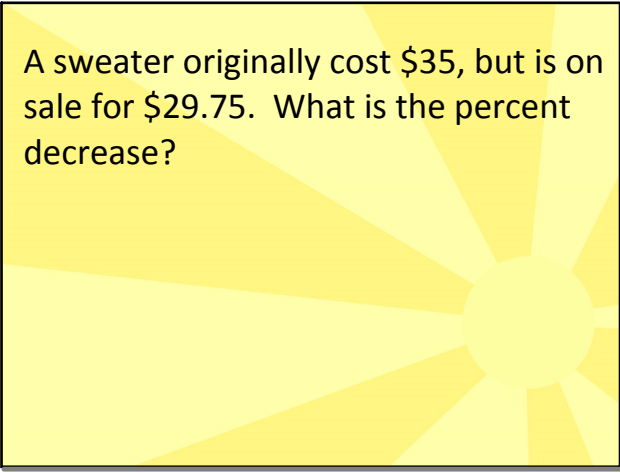
Jun 16-9:40 AM

In 2002 gas was $1.87 per gallon. Now, gas is $3.25 per gallon. What is the percent of increase?
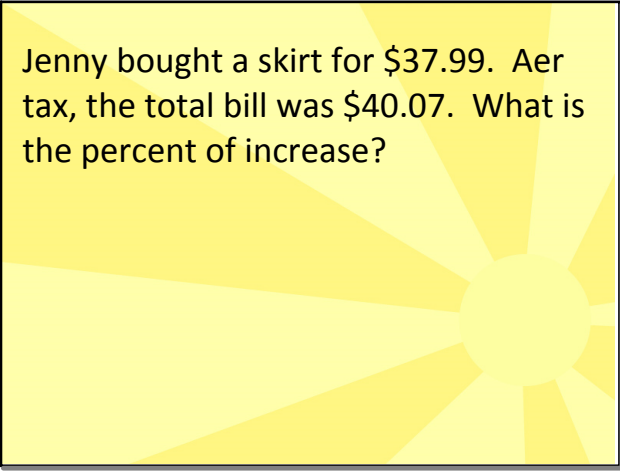
Jun 16-9:41 AM

A gallon of milk now costs $3.05. In 2004 a gallon of milk cost $2.75. What is the percent of increase?
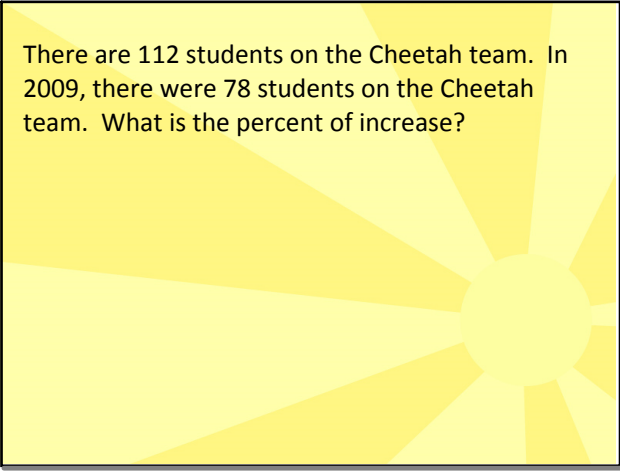
Jun 16-9:41 AM

A sweater originally cost $35, but is on sale for $29.75. What is the percent decrease?

Jun 16-9:41 AM

Jenny bought a skirt for $37.99. Aer tax, the total bill was $40.07. What is the percent of increase?

Jun 16-9:42 AM

There are 112 students on the Cheetah team. In 2009, there were 78 students on the Cheetah team. What is the percent of increase?

Jun 16-9:42 AM

Ms. Ward paid $3200 for a new copier for the school that was originally $3500.   What is the percent decrease in price?

Jun 16-9:42 AM

Summary

Consider the problem: A shirt costs $20, and after tax is costs $21. What is the percent of tax? Could this problem be solved using the percent change method?

Dec 11-2:36 PM