

FRIDAY, SEPTEMBER 21, 2012

TISK Problems

- 1) Solve: $2m - 9 = -7$
- 2) Write and solve an equation:
Zach has six fewer than four times the number of video games as Parker. If Zach has 42 games, how many does Parker have?
- 3) Evaluate: $-8.4 \div (-7)$

Today's Bell Schedule

1: 8:20 – 9:10

2: 9:15 – 10:05

3: 10:10 – 10:55

LUNCH 11:00 – 11:30

4 11:35 – 12:20

5: 12:25 – 1:10

6: 1:15 – 2:00

Assembly 2:05 – 3:05

No Mental Math today.

Homework: p. 426 #9-15

Turn in Your Write-Ups!



Your Potato Problem Write-Up is due right now.
Please pass them in towards the center of the room.

§8-6 Applications of Percents

- You have been hired to sell cars at Wiltjer's Crazy Car Lot.
- You can choose between 3 salary packages:
 - ▣ \$2,500 per month with no commission
 - ▣ \$1,000 per month with 2% commission
 - ▣ No monthly salary and 4% commission
- An average car on Wiltjer's Crazy Car Lot sells for \$20,000.
- Which package will you choose? Why?
- What if
 - ▣ ...you knew you could sell 5 cars per month? Would that change which package you chose?
 - ▣ ...you knew you could sell only 3 cars per month?
 - ▣ ...you knew you could sell only 1 car per month?

§8-6 Applications of Percents

□ Example Problems

▣ Find each commission or sales tax to the nearest cent.

■ Total sales: \$35.85

■ Tax rate: 6.5%

6.5% of \$35.85 = how much tax?

$$0.065 \cdot 35.85 = t$$

$$\begin{array}{r} 35.85 \\ \times 0.065 \\ \hline 17925 \\ + 215100 \\ \hline 233025 \end{array}$$

$$t = 2.33$$

The tax is \$2.33.

§8-6 Applications of Percents

□ Example Problems

▣ Find each commission or sales tax to the nearest cent.

■ Total sales: \$67,530

■ Commission rate: 11%

11% of \$67,530 is how much commission?
Sales

$$11\% \cdot 67530 = X$$

$$\begin{array}{r} 67530 \\ \times \quad .11 \\ \hline 67530 \\ + 675300 \\ \hline 742830 \end{array}$$

The commission is \$7428.30.

§8-6 Applications of Percents

□ Example Problems

▣ Find the total sales to the nearest cent.

■ Commission: \$360

■ Commission rate: 12%

\$360 is 12% of how many sales?

$$\begin{array}{r} \$360 = .12 \cdot X \\ \hline .12 \quad .12 \end{array}$$

There are \$3,000 in sales.

$$\frac{360.00}{.12} = \frac{36000}{12} = 3000$$

Homework

□ P. 426 #9-15