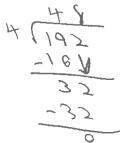
## 5.3 RATES

ESSENTIAL QUESTION:
what is a unit rate and how do you
If one large pizza costs 8 dollars, how much would 4 cost? It would some start would
If you could do 40 jumping jacks in one minute, how many could you do in 5 minutes?
If you earn 5 dollars for mowing one lawn, how much would you earn for mowing 7 lawns?
5x7=35 tou would carn \$35.
The answers to the three questions we just answered are examples of $\frac{r}{c}$
A rate is a special type of ratio that compares quantities that aren't measured the same.
Some examples of rates are:  100 beats in 6 seconds  \$22.50 for 4 movie tickets  \$30 miles on 5 gallons  work 240 hours in 12 weeks  \$5.61 for 3 pounds
Let's suppose your parent's car can go 180 miles on 9 gallons of gas. How many miles can your parent's car go on 1 gallon of gas?    180   90   20 miles Per gallon of gas   180   1
A wit rate is a rate (ratio) that compares a quantity to one unit of another quantity using the word par
PER means
FINDING UNIT RATES EXAMPLES  Jackson made 252 phone calls in 12 days. What is the average number of phone calls he made in a day?
Tackens and a
-2 4 V Change and
-244 phone calls par day
A skydiver falls 456 feet in three seconds. How far does the skydiver fall per second?
3/456 the skydiver falls
152 feet per second.
127 Secong.

If 192 students can fit in 4 buses, how many students can fit in one bus?



You can fit 48 students 66c pn2.

A chef buys 6 pounds of salmon fillets for \$51. How much will the chef pay for 9 more pounds



Find the unitrate

8.5

6 \( \frac{\fint{\frac{\fir}{\firing}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\f

You buy 2 pounds of tilapia fillets for \$16. What is the cost for 7 pounds of tilapia fillets?



Find the unitrata

8 dellarsparpound

Y multiply

1 × 8 : 5 6

1 pounds will cost \$56.