5.3 KATES
ESSENTIAL QUESTION:
what is a unit rate and how do you
, , vo ovo;
If one large pizza costs 8 dollars, how much would 4 cost? If would cost this?
ii you could go 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?
If you earn 5 dollars for mowing one lawn, how much would you earn for mowing 7 lawns?
5x7-35 You would earn \$35.
The answers to the three questions we just answered are examples of $\frac{\sqrt{\alpha}}{\sqrt{\alpha}}$.
A rate is a special type of ratio that compares quantities that aren't measured the same.
Some examples of rates are:
\$22.50 for 4 movie tickets work 240 hours in 12 weeks
\$22.50 for 4 movie tickets 130 miles on 5 gallons 130 miles on 5 gallons
130 MILES ON 3 d WILLOW?
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?
1180 Parents car
parent's car go on 1 gallon of gas? Volve Parent's car Can go 26 miles par gallon, What we have just done is find what is called a whit rate.
A white rate is a rate (ratio) that compares a quantity to one unit of another quantity using the word par
PER means one.
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.)
2 CK 5 ch C.
-241
13 st byone colls beigat.
A skydiver falls 456 feet in three seconds. How far does the skydiver fall per second?
31450
31456. Theskydiver falls
152 feet occused

If 192 students can fit i	n 4 buses, how many	students can fit in or	ne bus?		
4 (192	You c	an fit i	+8 stu	dante	
-32	par b	NS			
If 50 pounds of pet foo	d cost \$37.99, how m	uch does 1 pound co	st?		
50 (37,9900	Round to	<u> </u>	-)		
350	hundredt)		cost Pound,	.7 69	
	1 ,70				
	r working 25 hours las	st week. How much o	does he get paid	per hour?	
	400 S	am gets	2 - 2		
\$13 \$13	913	.75 per	han		
187			,		
A chef buys 6 pounds or of salmon fillets?	f salmon fillets for \$53	L. How much will the	chef pay for 9 i	more pounds	
125	Eing un		1	tiply	
Dell Da	rate 8.5	8,50	9×8	·20	
	6 (2110	8,50 per pound	8,50	Nineponds	
	30		76.5 0	Nineponds Will cost MTG.SO.	
You buy 2 pounds of tilapia fillets for \$16. What is the cost for 7 pounds of tilapia fillets?					
	Find uni	+			
	rate	1	Nultiply		
	2/16	٠	1x8=56		
-	-16	_	1 pound	1/1	
	8 dollars				
	Der Donny	\	ios 7 \$5	6.	