

Who wins the race?

PACMAN
Pacman goes 18 feet in 6 seconds.
Rate $=$

Unit Rate $=$

## Write the following as a unit rate!

Pacman eats 8 ghosts every 2 power pills
Rat

Pacman eats 8 ghosts every 2 power pill

## INKY

Inky the ghost goes 20 feet in 8 seconds
Rate $=$

Unit Rate $=$

Sully spends 8 dollars every 3 hours at the arcade on Pacman.

## SUMMARY:

## Which unit rate is easier to work with?

| DRIVING <br> 90 miles every 2 hours | JOB <br> Make $\$ 12$ dollars every hour | COST <br> 2 pound Kit Kat is $\$ 12$ |
| :---: | :---: | :---: |
| _ miles per hour | _ hours per dollar | _ dollars per pound |
| Or | Or | Or |
| _ hours per mile | ___ dollars per hour | ___ pounds per dollar |


| RATES | $\frac{120 \text { miles }}{2 \text { hours }}$ | $\frac{24 \text { dollars }}{3 \text { hours }}$ | 80 miles every 4 <br> gallons |
| :---: | :---: | :---: | :---: |
| UNIT <br> RATES | $\frac{60 \text { miles }}{1 \text { hour }}$ | $\frac{8 \text { dollars }}{1 \text { hour }}$ | 20 miles per gallon |

The following rates are about the amount of snowfall. Determine if they are unit rates. Circle YES or NO.


Write the following as unit rates both ways. Determine which rate is better to use. Express as a fraction in simplest form!
7. Teri pays 4 dollars for 2 gallons of milk.
___ gallons per dollar $\qquad$ dollars per gallon Which rate is better to use? Circle it above!
9. You babysit 5 hours and make 30 dollars.
$\qquad$ dollars per hour $\qquad$ hours per dollar

Which rate is better to use? Circle it above!
11. Sully visits the gym 3 times every 2 weeks.
$\qquad$ weeks per visit $\qquad$ visits per week

Which rate is better to use? Circle it above!
8. Patrick eats 12 crabby patties every 3 hours.
$\qquad$ patties per hour $\qquad$ hours per patty

Which rate is better to use? Circle it above!
10. The speed limit is 60 mph on the highway.
$\qquad$ miles per hour $\qquad$ hours per mile

Which rate is better to use? Circle it above!
12. BP sells 2 gallons of gas for 6 dollars.
$\qquad$ gallons per dollar $\qquad$ dollars per gallon

Which rate is better to use? Circle it above!

Write the following as a unit rate. Label your answer! Express as a decimal. Round to nearest hundredth.
13. Thanos collects 2 infinity stones in 5 weeks.
14. Apple store gets 300 customers in 5 days.
15. Peanuts costs $\$ 8.50$ for 2 pounds.

Determine which deal is better. Justify your solution using unit rates. Round to nearest hundredth.
16.


STORE B
8 dollars for
6 markers

STORE $\qquad$ is better because
17.

STORE A
6 ounces for $\$ 2.40$

STORE B 3 ounces for $\$ 1.80$

STORE $\qquad$ is better because
18.

STORE A
32 ounce Gatorade for $\$ 2.50$
STORE B
16 ounce Gatorade for $\$ 1.50$

STORE $\qquad$ is better because
19.


STORE B
1 year of service for $\$ 150$

STORE $\qquad$ is better because

1. Express the following as a unit rate both ways.
"Tiger wins 5 tournaments every 2 years."
$\qquad$ tournaments per year
$\qquad$ years per tournament
2. Write the following as a unit rate. Label your answer!
"It rains 5 inches every 3 hours."
3. Mr. Kelly is thinking about joining Planet Fitness. He sees the sign below. Explain using appropriate vocabulary which is a better deal.


## EXIT TICKET -

Mr. Brust took his family to see the movie "Speed" because he thought it was a math movie about unit rates. He paid 34 dollars total for all 6 people in his family, 2 adults and 4 children. If adult tickets were 8 dollars each and children tickets were all the same price, how much does one children's ticket cost?

Justify your solution!


