

## 2/8 Math Task - Gym

Pay As Go  
pay \$6  
per visit

- unit rate
- "cheaper" in the beginning
- concern → over time will this be too expensive?

Regular Deal  
- Pay \$50 per month  
• Pay \$2 per visit

- most commonly used
- "monthly fee" but cheaper per visit.  
\$4 less (additively)  
1/3 price (multiplying)

All in One Deal  
\$100 per month  
-- flat rate --

- larger fee, but it's unlimited
- \$100 regardless if you go lots

① Carlo thinks - go 20 times per month calculate (in notes) and put answer on yellow sheet

\$ 120	Pay As Go	$20 \cdot 6 = 120$
\$ 90	Reg.	$2 \cdot 20 + 50 = 90$
\$ 100	All in One	

If Carlo goes 20 times per month, which is cheapest? "Regular Deal"

If using algebra what would be variable?

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Pay As Go = equ.  $6x$

Regular Deal = equ.  $2x + 50$

Please state in what scenario the following would be the better deal.

\* Pay As You Go - only going ~~1-12~~ ~~1-12~~ 1-12 \$72

Why 13 visits is "cut"

$$13 * 6 = \underline{78}$$



$$13 * 2 = 26$$

$$\begin{array}{r} 50 \\ + 26 \\ \hline \$76 \end{array}$$

\* All in One

+25  
visits

30 times

$$\begin{array}{r} 6 \\ \hline 180 \end{array}$$

30

$$\begin{array}{r} 2 \\ \hline 60 \\ + 50 \\ \hline 110 \end{array}$$

29

$$\begin{array}{r} 2 \\ \hline 58 \\ + 50 \\ \hline 108 \end{array}$$

28

$$\begin{array}{r} 2 \\ \hline 56 \end{array}$$

27 26

$$\begin{array}{r} 25 \\ + 2 \\ \hline 50 \\ + 50 \\ \hline \end{array}$$

If Carlo goes  $\leq 12$  visits, the "Pay As You Go."

If Carlo goes from 13-24 visits, "Regular Deal" is cheapest.

If Carlo goes exactly 25 times, both "Regular" and "All in One" are equal.

If Carlo goes  $> 25$  (26+) "All in One" is the best deal.