W-MF Math Fundamentals 10/28

Nate wants to own all 761 old school licensed Nintendo games. If each game costs approximately $28, how much money would it cost to own each Nintendo game.

$$\begin{array}{r} {}^{1}\cancel{4} \\ 761 \\ \times\ 28 \\ \hline \boxed{6088} \\ +\ 15220 \\ \hline 21308 \end{array}$$

$21,308

Nate is hungry. How many donuts would he eat if he consumed 64 donuts every day for one year (365 days)?

$$\begin{array}{r} {}^{3}\cancel{2}\,{}^{3}\cancel{2} \\ 365 \\ \times\ 64 \\ \hline 1460 \\ +\ 21900 \\ \hline 23360 \end{array}$$

$\boxed{23,360 \text{ donuts}}$

Long Divison

$$\boxed{241 \text{ r } 2}$$

$$\begin{array}{r|l} 24 & 8,178\,6 \\ & -48 \\ & \;\;98 \\ & -96 \\ & \;\;\;26 \\ & \;\;\;-24 \\ & \;\;\;\;\;2 \end{array}$$

$$\boxed{207 \text{ r } 30}$$

$$\begin{array}{r|l} 36 & 7,482\,\boxed{} \\ & -72 \\ & \;\;28 \\ & -\;\;0 \\ & \;\;282 \\ & -252 \\ & \;\;\;30 \end{array}$$

$$\begin{array}{r} 4 \\ 36 \\ \times\ 7 \\ \hline 252 \end{array}$$

$$\boxed{207 \text{ r } 30}$$

① Division → Series Subtraction

$$\begin{array}{r} 57 \\ -24 \\ \hline 33 \\ -24 \\ \hline 9 \end{array}$$

① ②

② Multiples

1 → 24
+24

2 → 48
24

3 → 72
24

4 → 96
24

5 → 120

③ Guess and Check

$$\begin{array}{r} 7 \\ 282 \\ -\ 36 \\ \hline 246 \\ -\ 36 \\ \hline 210 \\ -\ 36 \\ \hline 174 \\ -\ 36 \\ \hline 138 \end{array}$$

① ② ③ ④

$$\begin{array}{r} 138 \\ -\ 36 \\ \hline 102 \\ -\ 36 \\ \hline 66 \\ -\ 36 \\ \hline 30 \end{array}$$

⑤ ⑥ ⑦

$54 \div 6 = 9$

$\boxed{54}{,}000{,}\cancel{000} \div \boxed{6}\cancel{000} = \boxed{9000}$

$72 \div 12 = 6$

$\boxed{72}\underbrace{0{,}000}_{7}{,}\cancel{000} \div \boxed{1{,}2}\underbrace{\cancel{00{,}000}}_{5} = \boxed{600}$

$7 - 5 = 2$

1.) If $24 \div 6 = 4$

Find

$\boxed{24}\underbrace{0{,}000}_{4} \div \boxed{6}\underbrace{00}_{2} = \boxed{400}$

$4 - 2 = 2$

2.) if $36 \div 4 = 9$

Find

$\boxed{36}\underbrace{{,}000{,}000}_{6} \div \boxed{4}0 = \boxed{900{,}000}$

$6 - 1 = 5$

3.) if $30 \div 5 = 6$

Find

$\boxed{30}\underbrace{0{,}000{,}000}_{7} \div \boxed{5}\underbrace{00{,}000}_{5}$ $\boxed{600}$

$7 - 5 = 2$

Nate has \$6,542 in his checking account.

A large cookout tray (with milk shake... a large fry.... and another drink) is \$12.

If Nate spent every penny, how many Cookout trays could he buy.

$$\boxed{545 \text{ r}2}$$

$$\begin{array}{r} 12\overline{)6542} \\ -60 \\ \hline 54 \\ -48 \\ \hline 62 \\ -60 \\ \hline 2 \end{array}$$

1 → 12
2 → 24
3 → 36
4 → 48
5 → 60
6 → 72
7 → 84
8 → 96
9 → 108