

REMEMBERING LONG DIVISION

$$50 \div 8$$

$$\frac{50}{8}$$

$$8 \overline{)50}$$

WATCH
OUT

3 DIFFERENT ANSWERS:

D ✓✓✓
M ✓✓
S ✓✓
B ✓✓

$$\begin{array}{r} 6 R.2 \\ 8 \overline{)50} \\ -48 \\ \hline 2 \end{array}$$

$$\boxed{6 R.2}$$

$$\begin{array}{r} 6 \\ 8 \overline{)50} \\ -48 \\ \hline 2 \end{array}$$

$$6 \frac{2}{8} = \boxed{6 \frac{1}{4}}$$

$$\begin{array}{r} 6.25 \\ 8 \overline{)50.00} \\ -48 \downarrow \\ \hline 20 \downarrow \\ -16 \downarrow \\ \hline 40 \\ -40 \\ \hline \emptyset \end{array}$$

EX:) $358 \div 9$

$$\begin{array}{r} 39.77 \\ 9 \overline{)358.00} \\ -27 \downarrow \\ \hline 88 \downarrow \\ -81 \downarrow \\ \hline 70 \downarrow \\ -63 \downarrow \\ \hline 70 \\ -63 \\ \hline 7 \end{array}$$

$$\boxed{39.\overline{7}}$$

EX:) $2490 \div 6$

$$\begin{array}{r} 415.000 \\ 6 \overline{)2490.000} \\ -24 \downarrow \\ \hline 09 \downarrow \\ -6 \downarrow \\ \hline 30 \downarrow \\ -30 \downarrow \\ \hline 00 \\ \dots \end{array}$$

$$\boxed{415} = 415.\overline{0}$$

ALL DECIMALS ARE REPEATING

BUT: WHEN 0 IS THE # THAT REPEATS,
WE CALL IT A "TERMINATING DECIMAL"

B/C IT APPEARS TO STOP.