

P
()

E^2

MD
 $\times \div$
 $\rightarrow$

AS
 $+ -$
 $\rightarrow$

+ integers
same sign $\rightarrow$ sum
different sign $\rightarrow$ difference

- integers
LCO $\rightarrow$ leave change opposite

$\times \div$ integers
Even # of negatives $\rightarrow$ positive
Odd # of negatives $\rightarrow$ negative

INTEGERS

a) $-3 - 4 \cdot 5 \div (-2)$
 $-3 - 20 \div -2$
 $-3 - (-10)$
 $-3 + 10$
7

b) $\frac{4 \cdot (-3) + 6}{2}$
 $\frac{-12 + 6}{2}$
 $\frac{-6}{2}$
-3

1) $18 \div (-3) + 7 \cdot 2$
 $-6 + 14$
 7

RATIONALS ()

c) $0.5 \div (-2) + 1.2$
 $-0.25 + 1.2$
0.95

$2 \overline{) 0.50}$
 $\underline{-40}$
 10
 $\underline{-10}$
 0
 $\underline{-0.25}$
 0.25

d) $-\frac{3}{4}(\frac{2}{3}) + 3\frac{1}{4}$
 $-\frac{6}{12} + 3\frac{1}{4}$
 $3\frac{1}{4} \times \frac{3}{3} = 3\frac{3}{12}$
 $\underline{-\frac{6}{12}}$
 $2\frac{9}{12} = \boxed{2\frac{3}{4}}$

2) $3.2 - (-0.9) \cdot 1.5$
 $3.2 - (-1.35)$
 $3.2 + 1.35$
4.55

$\begin{array}{r} 15 \\ \times 9 \\ \hline 135 \\ 320 \\ \hline 4.55 \end{array}$

3) $2\frac{1}{3} \div \frac{2}{3} - 2\frac{1}{4}$
 LCR
 $\frac{7}{3} \div \frac{2}{3}$
 $\frac{7}{3} \cdot \frac{3}{2} = \frac{7}{2} = 3\frac{1}{2}$
 $3\frac{1}{2} - 2\frac{1}{4}$
 $3\frac{1}{2} = 3\frac{2}{4}$
 $\underline{-2\frac{1}{4}}$
1 $\frac{1}{4}$