

Integer

Addition

Subtraction

mathwithnil

$$(+)+(+)= \left. \begin{array}{l} \text{Same sign do} \\ \text{addition, give} \\ \text{sign of bigger no.} \end{array} \right\}$$

$$(-)+(-)= \left. \begin{array}{l} \text{addition, give} \\ \text{sign of bigger no.} \end{array} \right\}$$

$$(+)+(-)= \left. \begin{array}{l} \text{opposite sign do} \\ \text{subtraction, give} \\ \text{sign of bigger no.} \end{array} \right\}$$

$$(-)+(+)= \left. \begin{array}{l} \text{subtraction, give} \\ \text{sign of bigger no.} \end{array} \right\}$$

$$(+)-(+)= \text{always } +$$

$$(-)-(-)= \text{always } -$$

$$(+)-(-)= \left. \begin{array}{l} + / (-) \end{array} \right\}$$

$$(-)-(+)=$$

Preview from Notesale.co.uk
Page 3 of 3

Multiplication

Same Rule

Division

$$(+)\times(+)= \left. \begin{array}{l} \text{Same sign} \\ \text{ans. positive} \end{array} \right\}$$

$$(-)\times(-)= \left. \begin{array}{l} \text{ans. positive} \end{array} \right\}$$

$$(+)\times(-)= \left. \begin{array}{l} \text{opposite sign} \\ \text{ans. negative} \end{array} \right\}$$

$$(-)\times(+)= \left. \begin{array}{l} \text{ans. negative} \end{array} \right\}$$

$$(+)\div(+)= \left. \begin{array}{l} \text{same sign} \\ \text{ans. positive} \end{array} \right\}$$

$$(-)\div(-)= \left. \begin{array}{l} \text{ans. positive} \end{array} \right\}$$

$$(+)\div(-)= \left. \begin{array}{l} \text{opposite sign} \\ \text{ans. negative} \end{array} \right\}$$

$$(-)\div(+)= \left. \begin{array}{l} \text{ans. negative} \end{array} \right\}$$

Extra: $-(-2) = 2$ $(+2)$

$$4-(-2) = 6$$

$$-2-8 = (2)+(-8) = -10$$

$$-2-3 = -5$$