



Integers Ex 1.2 Q1

**Answer :**

$$(i) 102 \div 17 = \frac{|102|}{|17|} = \frac{102}{17} = 6$$

$$(ii) -85 \div 5 = -\frac{|-85|}{|5|} = -\frac{85}{5} = -17$$

$$(iii) -161 \div (-23) = \frac{|-161|}{|-23|} = \frac{161}{23} = 7$$

$$(iv) 76 \div -19 = -\frac{|76|}{|-19|} = -\frac{76}{19} = -4$$

$$(v) 17654 \div (-17654) = -\frac{|17654|}{|-17654|} = -\frac{17654}{17654} = -1$$

$$(vi) (-729) \div (-27) = \frac{|-729|}{|-27|} = \frac{729}{27} = 27$$

$$(vii) 21590 \div -10 = -\frac{|21590|}{|-10|} = -\frac{21590}{10} = -2159$$

$$(viii) 0 \div (-135) = -\frac{|0|}{|-135|} = -\frac{0}{135} = 0$$

Integers Ex 1.2 Q2

**Answer :**

$$(i) 296 \div -148 = -\frac{|296|}{|-148|} = -\frac{|296|}{|148|} = -\frac{296}{148} = -2$$

$$\therefore 296 \div (-2) = -148$$

$$(ii) -88 \div 11 = -\frac{|-88|}{|11|} = -\frac{|88|}{|11|} = -\frac{88}{11} = -8$$

$$\therefore -88 \div -8 = 11$$

$$(iii) 84 \div 12 = \frac{|84|}{|12|} = \frac{84}{12} = 7$$

$$\therefore 84 \div 7 = 12$$

$$(iv) 25 \times (-5) = -125$$

$$\therefore -125 \div -5 = 25$$

$$(v) 156 \times (-2) = -312$$

$$\therefore -312 \div 156 = -2$$

$$(vi) 567 \times (-1) = -567$$

$$\therefore -567 \div 567 = -1$$

Integers Ex 1.2 Q3

**Answer :**

(i)

$$\begin{aligned}\text{LHS} &= \frac{|0|}{|4|} = \frac{0}{4} = 0 \\ &= \text{RHS}\end{aligned}$$

Because LHS is equal to RHS, the equation is true.

(ii)

$$\begin{aligned}\text{LHS} &= -\frac{|0|}{|-7|} = -\frac{0}{7} = -0 = 0 \\ &= \text{RHS}\end{aligned}$$

Because LHS is equal to RHS, the equation is true.

(iii)

$$\begin{aligned}\text{LHS} &= -\frac{|-15|}{|0|} = -\frac{15}{0} = \text{Not defined} \\ &\neq \text{RHS}\end{aligned}$$

Because LHS is not equal to RHS, the equation is false.

(iv)

$$\begin{aligned}\text{LHS} &= \frac{|0|}{|0|} = \frac{0}{0} = \text{Not Defined} \\ &\neq \text{RHS}\end{aligned}$$

Because LHS is not equal to RHS, the equation is false.

(v)

$$\begin{aligned}\text{LHS} &= \frac{|-8|}{|-1|} = \frac{8}{1} = 8 \\ &\neq \text{RHS}\end{aligned}$$

Because LHS and RHS are not equal, the equation is false.

(vi)

$$\begin{aligned}\text{LHS} &= \frac{|-8|}{|-2|} = \frac{8}{2} = 4 \\ &= \text{RHS}\end{aligned}$$

Because LHS is equal to RHS, the equation is true.

\*\*\*\*\* END \*\*\*\*\*