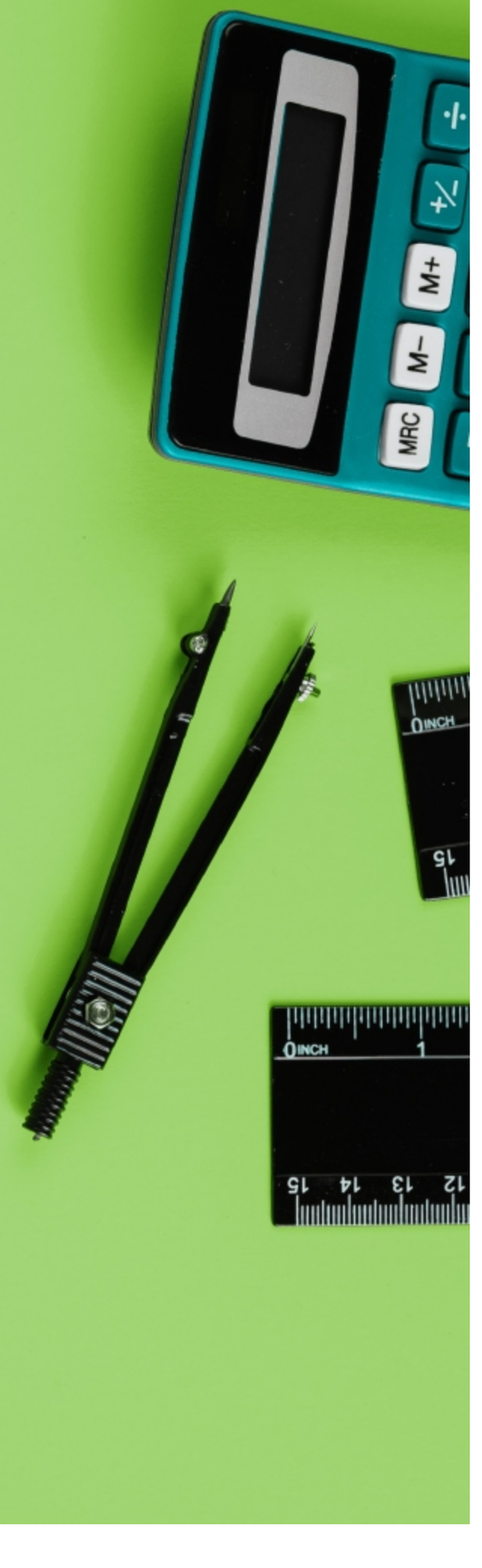
RD Sharma Solutions

Class 7

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Exercise 1.2

Q.1 Divide

(i) 102 by 17 (ii) −85 by 5

(iii) −161 by −23 (iv) 76 by −19

(v) 17654 by −17654 (vi) (−729) by (−27)

(vii) 21590 by −10 (viii) 0 by −135

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

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

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

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

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

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

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

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

Q.2 Fill in the blanks.

(i) $296 \div \ldots\ldots = -148$

(ii) $-88 \div \ldots\ldots = 11$

(iii) $84 \div \ldots\ldots = 12$

(iv) $\ldots\ldots \div -5 = 25$

(v) $\ldots\ldots \div 156 = -2$

(vi) $\ldots\ldots \div 567 = -1$

Solution: (i) $296 \div \ldots\ldots = -148$

$\therefore$ missing number $= \frac{296}{-148} = -2$

(ii) $-88 \div \ldots\ldots = 11$

$\Rightarrow$ missing number $= \frac{-88}{11} = -8$

(iii) $84 \div \ldots\ldots = 12$

$\therefore$ missing number $= \frac{84}{12} = 7$

(iv) $\ldots\ldots \div 5 = 25$

$\therefore$ missing number $= 5 \times 25 = 125$

(v) $\ldots\ldots \div 156 = -2$

$\therefore$ missing number $= 156 \times -2 = -312$

(vi) $\ldots\ldots \div 567 = -1$

$\therefore$ missing number $= 567 \times -1 = -567$

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Q.3 which of the following statements are true ?

(i) $0 \div 4 = 0$ (ii) $0 \div (-7) = 0$ (iii) $-15 \div 0 = 0$

(iv) $0 \div 0 = 0$ (v) $(-8) \div (-1) = -8$ (vi) $-8 \div (-2) = 4$

Solution: (i) True (ii) True (iii) false

(iv) false (v) false (vi) True.

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