



INDIAN SCHOOL AL WADI AL KABIR

Class VII, Mathematics (2022-23)

Worksheet DTQ – Rational numbers

SHORT ANSWER TYPE QUESTIONS- 7 QUESTIONS. (2 Marks each)

Q1.	Write in standard form: (a) $\frac{72}{-108}$ (b) $\frac{-16}{120}$
Q2.	Compare the rational numbers $\frac{-3}{4}$ and $\frac{-5}{2}$
Q3.	Find the value of $(-6\frac{2}{3}) \times \frac{2}{5}$
Q4.	Write 2 equivalent rational numbers of $\frac{18}{-45}$
Q5.	Multiply: $-1\frac{1}{24} \times \frac{18}{25}$
Q6.	Find the sum: $2\frac{1}{5} + (-1\frac{1}{3})$
Q7.	Are the rational numbers $\frac{-5}{21}$ and $\frac{-20}{63}$ same?

SHORT ANSWER TYPE- 5 QUESTIONS. (3 Marks each)

Q8.	Represent $\frac{-3}{11}, \frac{1}{11}, \frac{5}{11}, \frac{7}{11}$ on the number line.
Q9.	Find the value $1\frac{1}{4} + (-\frac{8}{3}) - (-\frac{5}{9})$
Q10.	Find 5 rational numbers between -3 and 2 .
Q11.	Write in descending order: $\frac{-3}{4}, \frac{4}{5}, \frac{-7}{10}, \frac{-11}{20}$
Q12.	Divide: (a) $(-1\frac{3}{5}) \div (-1\frac{1}{3})$

LONG ANSWER TYPE- 3 QUESTIONS. (4 Marks each)

Q.13	Find 6 rational numbers between $\frac{-3}{4}$ and $\frac{-4}{5}$
Q14.	From $7\frac{1}{2}$ m, Shreya used $4\frac{1}{4}$ m of ribborn. How much ribborn is left?
Q15.	Simplify: (1) $[1\frac{5}{7} \times (\frac{1}{4} - \frac{1}{9})] \div (-1\frac{1}{4})$ (2) $3 + [2\frac{1}{2} \div (-1\frac{1}{4})]$

ANSWERS

Q1.	(a) $\frac{-2}{3}$ (2) $\frac{-2}{15}$	Q2.	$\frac{-3}{4} > \frac{-5}{2}$	Q3.	$\frac{-8}{3}$
Q4.	Any two	Q5.	$\frac{-3}{4}$	Q6.	$\frac{13}{15}$
Q7.		Q8.	no	Q9.	$\frac{31}{36}$
Q10.	Any 5	Q11.	$\frac{4}{5}, \frac{-11}{20}, \frac{-14}{20}, \frac{-15}{20}$	Q12.	$1\frac{1}{5}$
Q13.	Any 6	Q14.	$3\frac{1}{4}$ m	Q15.	(1) $(-\frac{4}{21})$ (2) 2