DAV PUBLIC SCHOOL, SASARAM

PRACTICE SET FOR MATHEMATICS

CLASS-7 G

SUB. TEACHER- KANCHAN PATEL

DATE- 4th May 2020

TOPIC- Rational Numbers

Q1. Following are rational numbers or not?

i. -3 → ----------
ii. -2/3 → ----------
iii. 4/0 → ----------
iv. 0/-5 → ----------

Q2. Express 3/5 as rational number with numerator,

(i) – 21 →

(ii) 150 →

Q3. Which of the following are positive/negative?

HINT → -2/9 → negative

i. 3/-5 → ----------
ii. -3/-19 → ----------
iii. 0/-3 → ----------
iv. 4/9 → ----------

Q4. State true/false

i. Every natural number is an integer _____
ii. Every integer is a rational number _____
iii. Every fraction is a rational number _____
iv. Every rational number is a fraction _____
v. Every integer is a whole number _____

Q5. Show that rational numbers are equivalent or not

HINT- 4/9 and 44/99

Cross multiplication

4x99 = 396

44x9 = 396

Equivalent

i. -100/3 and 300/9

Cross multiplication

-100x9 = _____

300x3 = _____

ii. 4/9 and 16/27

Cross multiplication

4x27 = _____

9x16 = _____

iii. -3/5 and -12/20

Cross multiplication

-3x20 = ----------

5x-12 = ----------

iv. 5/8 and -15/24

Cross multiplication

5x24 = ----------

-15x8 = ----------