Brain International School

Vikas Puri, New Delhi

ASSIGNMENT NO. 1

SUBJECT: MATHEMATICS CLASS-VII APRIL'2025

INTEGERS

Q1) Write down a pair of integers whose difference is (−5).

Q2) Evaluate:

a) 15 + (–8) b) (–48) + (–36)

Q3) Subtract: (–134) from the sum of (+38) and (–87).

Q4) What must be subtracted from (–3) to get (–9)?

Q5) If a = – 8, b = –7, c = 6, verify that (a + b) + c = a + (b + c)

Q6) Find the following products:

a) 3 × 4 × (–5) b) (–6) × 6 × (–10) c) (–5) × (–8) × (–3)

Q7) In a class test containing 10 questions, 5 marks are awarded for every correct answer, (–2) marks are awarded for every incorrect answer and 0 for each question not attempted.

a) Ravi gets 4 correct and 6 incorrect answers. What is his score?

b) Reenu gets 5 correct and 5 incorrect answers. What is her score?

c) Heena gets 2 correct and 5 incorrect answers. What is her score?

Q8) Which of the following statements are true or false?

a) The product of a positive and a negative integer is negative.

b) The product of two negative integers is a negative integer.

c) The product of three negative integers is a positive integer.

d) Every integer when multiplied by –1 gives its multiplicative inverse.

FRACTIONS AND DECIMALS

Q1) Find the product:

a) $\frac{2}{5} \times 15$ b) $\frac{4}{9} \times \frac{15}{16}$ c) $4\frac{1}{8} \times 2\frac{10}{11} \times 1\frac{1}{15}$

Q2) Find:

a) $\frac{5}{8}$ of a day b) $\frac{11}{25}$ of a litre

Q3) What fraction of a minute is 45 seconds?

Q4) Compare:

a) $\frac{3}{5}$ and $\frac{5}{8}$ b) $\frac{9}{16}$ and $\frac{13}{24}$

Q5) Write the multiplicative inverse or reciprocal of:

a) $\frac{5}{8}$ b)$12\frac{3}{5}$

Q6) Simplify:

a) $\frac{4}{7} \div \frac{9}{14}$ b) $9 \div \frac{1}{3}$ c) $3\frac{3}{7} \div \frac{8}{21}$

Q7) Divide:

a) $\frac{11}{24}$ by $\frac{7}{8}$ b) $32 \div 1\frac{3}{5}$ c) $5\frac{5}{9} \div 3\frac{1}{3}$

Q8) By what number $9\frac{4}{5}$ be multiplied to get 42?

Q9) Each side of a square field is $4\frac{2}{3}$ m. Find its area.

Q10) Find the area of a rectangular park which is $41\frac{2}{3}$ m long and $18\frac{3}{5}$ m broad.

Q11) Find the product:

a) 4.8×1000 b) 3.65×19 c) 7.6×2.4

d) 3.45×6.3 e) 0.045×2.4 f) 0.54×0.27

Q12) Divide:

a) $131.6 \div 10$ b) 4.6 by 1000 c) 2.25 by 15

d) 31 by 40 e) $18.08 \div 400$ f) $0.288 \div 0.38$

Q13) The product of two decimal is 261.36. If one of them is 17.6, find the other.