NAAHAR PUBLIC SCHOOL CBSE SENIOR SECONDARY

CLASS: 6 MATHS SLIP

I. Fill in the blanks: (5×1=5)

1) A _____ is a number representing a part of whole. (fraction)

2) 1/5 + 2/5 = _____. (3/5)

3) 4 2/3 = _____. (14/3)

4) 5/6 - 1/6 = _____. (4/5)

5) The numerator of 6/11 is _____. (6)

II. Choose the correct answer: (5×1=5)

1)A combination of whole number and a proper fraction is called a _____.

a) mixed fraction b) proper fraction c) improper fraction d) none of these

2) H. C. F of 8 and 50 is _____

a) 8 b) 4 c) 2 d) 1

3) 12/17 is called _____ fraction.

a) proper b) improper c) mixed d) none of these

4) In an improper fraction, the denominator is _____ then the numerator.

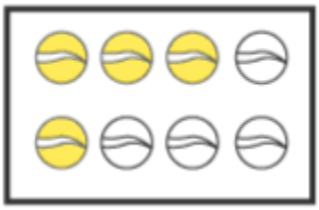
a) smaller b) great c) equal d) none of these

5) To reduce a fraction to it's lower times, we divide the numerator and denominator of the given fraction by their.

a) LCM b) HCF c) GCD d) none of these

III. Write the fraction for the given figure. (5×1=5)

1.



Answers:

1. 2/4 , 2. 3/8, 3. 4/8, 4. 3/7 , 5. 8/9

IV. Answer the following (5×2=10)

1. Solve 2/3 + 1/7

Solutions:

(a) 2 / 3 + 1/ 7

Taking LCM

[(2 × 7) + (1 × 3)] / 21

= (14 + 3) / 21

= 17 / 21

2. Ila read 25 pages of a book containing 100 pages. Lalita read 2/5 of the same book. Who read less?

Solutions:

Total number of pages a book has = 100 pages

Lalita read = 2 / 5 × 100 = 40 pages

Ila read = 25 pages

∴ Ila read less than Lalita.

3. Write the natural numbers from 2 to 12. What fraction of them are prime numbers?

Solutions:

Natural numbers from 2 to 12 are

2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Total number of natural numbers given= 11

Number of prime numbers = 5

∴ Required Fraction = 5 / 11

4. Find the equivalent fraction of 3/5 having

a) denominator 20 b) denominator 9

Solutions:

(a) We require denominator 20

Let M be the numerator of the fractions

∴ M / 20 = 3 / 5

5 × M = 20 × 3

M = (20 × 3) / 5

= 12

Therefore the required fraction is 12 / 20

(b) We require numerator 9

Let N be the denominator of the fractions

$\therefore$ 9 / N = 3 / 5

3 × N = 9 × 5

N = (9 × 5) / 3

= 15

Therefore the required fraction is 9 / 15

5. Solve : 4/3 - 1/2

(n) 4 /3 – 1 / 2

Taking LCM 6

= [(4 × 2) – (1 × 3)] / 6

= (8 – 3) /6

= 5 / 6