Date: _____   Class: 6   Div: _____   Roll No: _____   Sub: Maths

Name: _____   **Ch-7 Worksheet (Half-yearly)**

Ch-7 Fractions

Q1. Determine the following:

i. $\frac{1}{5}$ of 45 balls	ii. $\frac{3}{8}$ of a day

Q2. Fill up the boxes with <, >, =.

i. $\frac{5}{5}$ ____ 1	ii. $\frac{9}{5}$ _____ 1
iii. 1 _____ $\frac{3}{5}$	iv. $\frac{7}{3}$ _____ $\frac{6}{5}$

Q3. Express the following as a improper fraction:

i. $7\frac{3}{5}$	ii. $16\frac{4}{5}$

Q4. Express the following as a mixed fraction:

i. $\frac{42}{9}$	ii. $\frac{59}{8}$

Q5. Determine an equivalent fraction for the following fractions:

i. $\dfrac{15}{30}$ with 3 as numerator	ii. $\dfrac{42}{24}$ with 32 as denominator

Q6. Reduce the following fractions to their lowest terms:

i. $\dfrac{12}{96}$	ii. $\dfrac{147}{126}$	iii. $\dfrac{42}{168}$	iv. $\dfrac{128}{288}$

Q7. Write the following decimal numbers in ascending and descending order:

i. $\dfrac{1}{5}$, $\dfrac{3}{10}$, $\dfrac{4}{15}$	ii. $5\dfrac{1}{6}$, $5\dfrac{2}{3}$, $5\dfrac{3}{5}$

Q8. Find the missing value :

i. $\dfrac{5}{8} = \dfrac{?}{64}$	ii. $\dfrac{9}{16} = \dfrac{?}{144}$

Q9. Simplify the following and write the answer in the simplest form:

i. $\dfrac{3}{8} + \dfrac{7}{8}$	ii. $1\dfrac{2}{5} + 2\dfrac{1}{5}$
iii. $8\dfrac{5}{7} - 2\dfrac{7}{2}$	iv. $\dfrac{54}{16} - \dfrac{36}{16}$
v. $3\dfrac{4}{7} + 2\dfrac{3}{8} + \dfrac{3}{56}$	vi. $11\dfrac{5}{7} - 2\dfrac{1}{3} + \dfrac{15}{21}$

vii $10 - 4\frac{2}{3} - 2\frac{3}{4}$	viii. $2\frac{1}{4} + 2\frac{3}{7} - \frac{15}{28}$

Q10. Solve the following:

i. What fraction of a day is 9 hours?	ii. What fraction of a month of 30 days is 21 days?

Q11. Solve the given word problems:

i. Aryan solved $\frac{3}{7}$ part Aarav solved $\frac{2}{5}$ of it. Who solved the greater part?

ii. Siya reads 20 pages of a book containing 160 pages. Diya read $\frac{1}{3}$ of the same book. Who read more?

iii. One fine morning Prince walked $4\frac{1}{2}$ km, Heet walked $5\frac{1}{3}$ km and Shlok walked $4\frac{1}{6}$ km. Find the total distance covered by them.

iv. Rashmi gave $3\frac{3}{4}$ litres out of $7\frac{1}{2}$ litres of juice she purchased for her friend. How many litres of juice left with her?

v. The perimeter of a triangle is $23\frac{4}{5}$ m. If two of its sides are $9\frac{1}{5}$ m and $8\frac{3}{5}$ m respectively, find the length of the third side.