

INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2026-27

CLASS: VII

SUBJECT: MATHEMATICS

DATE: 02-07-2026

Lesson 8: WORKING WITH FRACTIONS

1. The two non-zero fractions whose product is 1, are called the-----of each other
2. The product of two proper fractions is always----- than each of the two fractions.
3. Reciprocal of 1 is-----
4. The lowest form of $\frac{36}{48}$ is-----
5. The product of a fraction and its reciprocal is always-----
6. $\frac{4}{7} \times \text{-----} = \frac{36}{35}$
7. Write in to mixed fraction form:
a) $\frac{18}{5}$ b) $\frac{33}{7}$ c) $\frac{50}{6}$ d) $\frac{22}{9}$
8. Write into improper form:
a) $2\frac{1}{5}$ b) $6\frac{2}{3}$ c) $10\frac{5}{7}$ d) $8\frac{3}{4}$
9. Find the reciprocal of the following:
a) 5 b) $\frac{8}{15}$ c) $\frac{3}{4}$ d) $\frac{1}{9}$ e) $\frac{4}{7}$
10. Multiply and reduce into the lowest form and convert in to mixed fraction form (if possible):
a) $2 \times \frac{5}{8}$
b) $3 \times \frac{5}{6}$
c) $\frac{20}{7} \times 4$
d) $\frac{11}{15} \times 5$
e) $3 \times \frac{1}{3}$
f) $6 \times \frac{2}{15}$
g) $9 \times \frac{1}{19}$
11. Find:
a) $\frac{2}{5}$ of 10

b) $\frac{1}{3}$ of 24

c) $\frac{3}{4}$ of 36

d) $\frac{7}{9}$ of 81

e) $\frac{1}{10}$ of $\frac{5}{18}$

f) $\frac{1}{6}$ of $\frac{5}{8}$

12. Multiply and reduce to the lowest form (if possible):

a) $\frac{2}{3} \times \frac{1}{3}$

b) $\frac{6}{11} \times \frac{22}{30}$

c) $\frac{3}{10} \times \frac{1}{5}$

d) $\frac{12}{13} \times \frac{1}{4}$

e) $\frac{2}{3} \times 2\frac{1}{3}$

f) $1\frac{5}{6} \times 4\frac{4}{5}$

g) $2\frac{1}{2} \times 3\frac{1}{3}$

13. Find:

a) $64 \div \frac{4}{3}$

b) $4 \div \frac{5}{6}$

c) $\frac{9}{10} \div 3$

d) $\frac{4}{5} \div \frac{4}{15}$

e) $6\frac{2}{7} \div \frac{11}{14}$

f) $2\frac{2}{3} \div \frac{9}{12}$

g) $5\frac{1}{7} \div 6\frac{3}{4}$

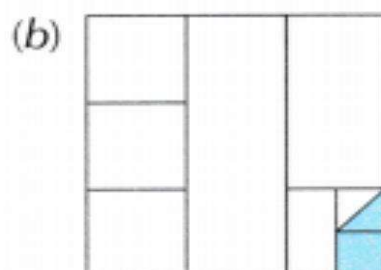
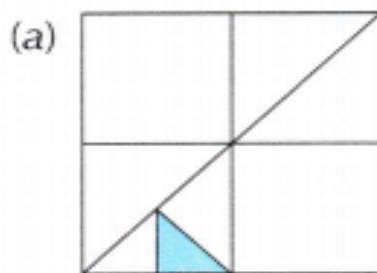
14. What is the product of $\frac{5}{6}$ and the reciprocal of $\frac{5}{18}$

15. Ayesha writes $\frac{2}{5}$ part of a novel in one hour. How much part of the novel will she write in $1\frac{1}{3}$ hour

16. A square field of side $20\frac{1}{4}$ m. Then find the area of the field

17. Asif had 63 chocolates. Somu had $\frac{1}{7}$ of the chocolates that Asif had. How many chocolates did Somu have?

18. Rashmi makes $\frac{1}{7}$ part of a painting in a day. What part of the painting will she make in
 a) 5 days b) 7 days
19. How many $\frac{2}{3}$ kg pieces can be cut from a cake of weight 4 kg?
20. Nabiha is dividing $1\frac{3}{4}$ kg of sweets equally among her seven friends. How much does each friend receive?
21. A car runs 42 km using 5 litres of petrol. How far will the car go using $3\frac{2}{4}$ litre of petrol?
22. In a class of 40 students, $\frac{1}{8}$ of the total number of students like to eat rice only, $\frac{3}{8}$ of the total number of students like to eat chapati only and the remaining students like to eat both. What fraction of the total number of students like to eat both?
23. The weight of an object on Moon is $\frac{1}{6}$ of its weight on Earth. If an object weight $5\frac{3}{5}$ kg on earth, how much would it weight on the Moon?
24. If the product of two numbers is $20\frac{3}{5}$, If one of them is $2\frac{2}{5}$, then find the other number
25. In each of the figures given below, find the fraction of the big square that the shaded region occupies



1. Reciprocal	2. Less than	3. 1		
4. $\frac{3}{4}$	5. 1	6. $\frac{9}{5}$		
7. a) $3\frac{3}{5}$	b) $4\frac{5}{7}$	c) $8\frac{1}{3}$ or $8\frac{2}{6}$		d) $2\frac{4}{9}$
8. a) $\frac{11}{5}$	b) $\frac{20}{3}$	c) $\frac{75}{7}$		d) $\frac{35}{4}$
9. a) $\frac{1}{5}$	b) $\frac{15}{8}$	c) $\frac{4}{3}$	d) 9	e) $\frac{7}{4}$
10. a) $1\frac{1}{4}$	b) $2\frac{1}{2}$	c) $11\frac{3}{7}$	d) $3\frac{2}{3}$	e) 1
f) $\frac{4}{5}$	g) $\frac{9}{19}$			
11. a) 4	b) 8	c) 27	d) 63	e) $\frac{1}{36}$ f) $\frac{5}{48}$
12. a) $\frac{2}{9}$	b) $\frac{2}{5}$	c) $\frac{3}{50}$	d) $\frac{3}{13}$	e) $1\frac{5}{9}$
f) $8\frac{4}{5}$	g) $8\frac{1}{3}$			
13. a) 48	b) $4\frac{4}{5}$	c) $\frac{3}{10}$	d) 3	e) 8
f) $3\frac{5}{9}$	e) $\frac{16}{21}$			
14. 3	15. $\frac{8}{15}$	16. $410\frac{1}{16}$	17. 9	
18. a) $\frac{5}{7}$	b) 1 whole painting			
19. 6pieces	20. $\frac{1}{4}$ Kg	21. $29\frac{2}{5}$ Km		
22. $\frac{1}{2}$	23. $\frac{14}{15}$ Kg	24. $8\frac{7}{12}$		
25. a) $\frac{1}{32}$	b) $\frac{1}{24}$			
