

### Rational Number Worksheet - 3

1. What is the reciprocal of -18?

a)  $\frac{1}{-18}$

b)  $\frac{-3}{9}$

c) 0

d) -1

2. \_\_\_\_\_  $\div \frac{2}{3} = \frac{7}{20}$ .

a)  $\frac{14}{60}$

b)  $\frac{-33}{9}$

c) 0

d) 13.

3.  $-2\frac{1}{9} - 6 = ?$

a)  $\frac{-73}{9}$

b)  $\frac{-33}{9}$

c) 6

d) None of these

4. Find the cost of 6 meters of cloth at rupees  $18\frac{1}{2}$  per meter?

a) 111

b)  $\frac{33}{9}$

c) 101

d) 21

5. A bike is moving at an average speed of  $\frac{7}{25}$  km per hour. How much distance it will cover in 5 hours?

a)  $\frac{7}{5}$  Km

b)  $\frac{23}{11}$  Km

c)  $\frac{5}{7}$  Km

d) None of these

6. Simplify  $(\frac{-12}{7} \times \frac{-56}{27}) - (-\frac{8}{45} \times \frac{5}{24})$ .

a)  $\frac{95}{27}$

b)  $\frac{-33}{9}$

c) 0

d) 1

7. Find out the negative rational number.

a) 1

b)  $\frac{-33}{9}$

- c) 0
- d)  $\frac{1}{2}$

8. Every positive rational number is greater than 0. Mark True / False.

- a) True
- b) False

9. Find the equivalent rational number of  $3\frac{8}{25}$ .

- a)  $\frac{22}{4}$
- b)  $\frac{-1}{8}$
- c)  $\frac{166}{50}$
- d) None of these

10. Write  $\frac{5}{-9}$  as a positive denominator.

- a)  $\frac{-5}{9}$
- b) 0
- c)  $\frac{3}{8}$
- d)  $\frac{53}{8}$

11. Write the standard form of  $\frac{64}{44}$ .

- a)  $\frac{11}{2}$
- b) 1
- c)  $\frac{32}{22}$
- d) 0

12. Express  $\frac{5555}{3333}$  in standard form.

- a)  $\frac{-13}{12}$
- b)  $\frac{-13}{8}$
- c)  $\frac{5}{3}$
- d) None of these

13. Simplify  $\frac{7}{-27} + \frac{11}{18}$ .

- a)  $\frac{11}{2}$
- b)  $\frac{-13}{8}$
- c)  $-\frac{19}{54}$
- d) None of these

14. Simplify  $\frac{9}{-16} + \frac{-5}{-1}$ .

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

b)  $\frac{-33}{9}$

c) 0

d)  $\frac{-19}{54}$

15.  $\frac{-3}{8} \times 0 = \underline{\hspace{2cm}}$ .

a) 1

b) 1.5

c) 0

d) 2

16.  $\frac{2}{3} \times \frac{5}{7} = \underline{\hspace{2cm}}$ .

a)  $\frac{10}{21}$

b)  $\frac{16}{14}$

c) 0

d)  $\frac{10}{12}$

17. Find the additive inverse of  $\frac{21}{3}$ .

a) 1

b)  $\frac{46}{3}$

c)  $-\frac{21}{3}$

d) None of these

18. The sum of two rational number is  $\frac{-3}{8}$ . If one number is  $\frac{3}{16}$ , then find the other.

a)  $\frac{9}{16}$

b) 0

c) 1

d)  $\frac{2}{8}$

19. What should be added to  $\frac{-7}{8}$  to get  $\frac{4}{9}$ ?

a) 1

b)  $\frac{-33}{9}$

c) 0

d)  $\frac{95}{72}$

20. The product of two rational number is 10. If one numbers is -8, then find the other.

a) 1

b)  $\frac{-5}{4}$

c) 0

d)  $\frac{5}{2}$