

### Rational Number Worksheet - 1

1. Find out the negative rational number.

a)  $\frac{-3}{5}$

b)  $\frac{5}{3}$

c) 1

d) None of these

2. Every integer is a rational number.

a) True

b) False

3. Find the equivalent rational number of  $5\frac{1}{2}$ .

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

b)  $\frac{5}{9}$

c)  $\frac{22}{4}$

d) None of these

4. Write  $\frac{3}{-8}$  as a positive denominator.

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

b)  $\frac{3}{8}$

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

d) None of these

5. Write the standard form of  $\frac{22}{4}$ .

a)  $\frac{11}{2}$

b)  $\frac{3}{8}$

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

d) None of these

6. Express  $\frac{-247}{228}$  in standard form.

a)  $\frac{4}{84}$

b)  $\frac{-13}{12}$

c)  $\frac{7}{15}$

d) None of these

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

a)  $\frac{14}{23}$

b)  $\frac{7}{6}$

c)  $\frac{-1}{54}$

d) None of these

8. Simplify  $\frac{9}{-16} + \frac{-5}{-12}$ .

a)  $\frac{9}{-25}$

b)  $\frac{-7}{48}$

c)  $\frac{15}{20}$

d) None of these

9. Simplify  $\frac{-7}{12} + \frac{9}{-20}$ .

a)  $\frac{1}{6}$

b)  $\frac{9}{8}$

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

d) None of these

10. Multiply  $12 \times \frac{-3}{4}$ .

a)  $-9$

b)  $-8$

c)  $30$

d) None of these

11. Multiply  $20 \times \frac{-3}{4}$ .

a)  $-9$

b)  $-15$

c)  $30$

d) None of these

12. Simplify  $12 \div \frac{-4}{3} + \frac{6}{4}$ .

a)  $\frac{-15}{2}$

b)  $\frac{22}{8}$

c)  $\frac{-26}{4}$

d) None of these

13. Add  $10 - \left(\frac{-3}{2}\right)$ .

a)  $\frac{23}{20}$

b)  $-15$

c)  $30$

d) None of these

14. What should be added to  $\frac{-12}{5}$  to get 3?

a)  $\frac{27}{5}$

b)  $\frac{8}{9}$

c)  $\frac{15}{2}$

d) None of these

15. What should be subtracted  $\frac{-3}{4}$  from to get  $\frac{5}{6}$ ?

a)  $\frac{2}{14}$

b)  $\frac{-1}{12}$

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

d) None of these

16. What should be added to  $\frac{4}{-5}$  to get 9?

a)  $\frac{49}{5}$

b)  $\frac{3}{8}$

c)  $\frac{14}{8}$

d)  $\frac{94}{5}$

17. What should be subtracted  $\frac{-3}{4}$  from to get 1?

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

b)  $\frac{3}{8}$

c)  $\frac{-7}{4}$

d) None of these

18. Divide  $(-12) \div \frac{5}{4}$ .

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

b)  $\frac{22}{7}$

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

d) None of these

19. What should be added to  $\frac{-3}{8}$  to get  $\frac{5}{12}$ ?

a)  $\frac{30}{15}$

b)  $\frac{-19}{24}$

c)  $\frac{8}{42}$

d) None of these

20. Divide  $(-14) \div \frac{-7}{6}$ .

a) -12

b)  $\frac{3}{8}$

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

d) None of these