

1. Arrange  $\frac{-4}{5}$ ,  $\frac{9}{-15}$ , and  $\frac{-2}{3}$  in descending order.

(A)  $\frac{9}{-15}, \frac{-2}{3}, \frac{-4}{5}$

(B)  $\frac{-2}{3}, \frac{-4}{5}, \frac{-9}{15}$

(C)  $\frac{9}{-15}, \frac{-4}{5}, \frac{-2}{3}$

(D)  $\frac{-2}{3}, \frac{-9}{15}, \frac{-4}{5}$

2. Simplify  $\frac{4}{7} + 0 + \frac{-8}{9} + \frac{-13}{7} + \frac{17}{21}$

(A)  $\frac{-56}{63}$

(B)  $\frac{-86}{63}$

(C)  $\frac{86}{63}$

(D)  $\frac{56}{63}$

3. What is the sum of the greatest and the least numbers of  $\frac{5}{9}, \frac{1}{9}$  and  $\frac{11}{9}$ ?

(A)  $\frac{-4}{3}$

(B)  $\frac{3}{5}$

(C)  $\frac{-8}{5}$

(D)  $\frac{-3}{8}$

4. State which of the numbers given in the box are rational.

$(i)\sqrt{2} \times \sqrt{8}$     $(ii)\frac{22}{7}$     $(iii)2\sqrt{3}$     $(iv)\pi$

(A) (i) and (ii) only

(B) (i) and (iii) only

(C) (ii) and (iv) only

(D) (iii) and (iv) only

5. Find the value of  $\left(\frac{5}{9} \div \frac{15}{36}\right) \div \left(\frac{-5}{6}\right)$

(A)  $\frac{-4}{3}$

(B)  $\frac{3}{5}$

(C)  $\frac{-8}{5}$

(D)  $\frac{-3}{8}$



6. Which of the following is not a rational number?

- (A)  $\frac{3}{17}$                       (B)  $\frac{-4}{19}$                       (C)  $-\frac{0}{8}$                       (D)  $\frac{3}{0}$

7. Find the difference of  $\left(\frac{3}{4} + \frac{1}{3} + \frac{2}{5}\right)$  and  $\frac{59}{60}$ .

- (A)  $\frac{3}{4}$                       (B)  $\frac{1}{2}$                       (C)  $\frac{-4}{3}$                       (D)  $\frac{-1}{4}$

8. What is the product of  $\frac{-55}{72}$  and  $\frac{-90}{11}$ ?

- (A)  $-6\frac{1}{4}$                       (B)  $6\frac{1}{4}$                       (C)  $4\frac{1}{6}$                       (D)  $-4\frac{1}{6}$

9. What is the number that is to be subtracted from  $\frac{7}{-8}$  to get  $\frac{-13}{12}$ ?

- (A)  $\frac{5}{12}$                       (B)  $\frac{5}{24}$                       (C)  $\frac{-5}{24}$                       (D)  $\frac{-5}{12}$

10. What is the simplified form of  $\frac{1}{6} + \frac{-3}{5} + \frac{-8}{15} + \frac{2}{3}$ ?

- (A)  $3\frac{1}{10}$                       (B)  $\frac{-3}{10}$                       (C)  $-3\frac{1}{10}$                       (D)  $\frac{3}{10}$





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