## Worksheet No. : 1

**MeandMath**
BELIEVE YOURSELF

1. Which of the following statements is true?

(A) Every fraction is a rational number.

(B) Every rational number is a fraction.

(C) Every integer is a rational number.

(D) Both (A) and (C).

2. Compare $\dfrac{-8}{9}$ and $\dfrac{4}{-5}$

(A) $\dfrac{-8}{9} > \dfrac{-4}{5}$     (B) $\dfrac{-4}{5} < \dfrac{-8}{9}$     (C) $\dfrac{-8}{9} = \dfrac{-4}{5}$     (D) $\dfrac{-8}{9} < \dfrac{-4}{5}$

3. How is $\dfrac{-28}{84}$ expressed as a rational number with numerator as 4?

(A) $\dfrac{4}{7}$      (B) $-\dfrac{4}{12}$      (C) $\dfrac{4}{12}$      (D) $\dfrac{4}{-7}$

4. Which of the following sets of rational numbers is arranged in ascending order?

(A) $-\dfrac{5}{14}, -\dfrac{25}{28}, -\dfrac{3}{7}, -\dfrac{1}{2}$     (B) $-\dfrac{25}{28}, -\dfrac{5}{14}, \dfrac{-3}{7}, -\dfrac{1}{2}$

(C) $-\dfrac{25}{28}, -\dfrac{1}{2}, -\dfrac{3}{7}, -\dfrac{5}{14}$     (D) $-\dfrac{1}{2}, \dfrac{-3}{7}, \dfrac{-5}{14}, -\dfrac{25}{28}$

5. Which of the following statements is false?

(A) $\dfrac{5}{7} < \dfrac{7}{9} < \dfrac{9}{11} < \dfrac{11}{13}$     (B) $\dfrac{11}{13} < \dfrac{9}{11} < \dfrac{7}{9} < \dfrac{5}{7}$

(C) $\dfrac{5}{7} < \dfrac{11}{13} < \dfrac{7}{9} < \dfrac{9}{11}$     (D) Both (B) & (C)

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6. Which of the following is a rational number between $\frac{1}{4}$ and $\frac{1}{3}$?

(A) $\frac{7}{24}$      (B) $\frac{8}{15}$      (C) $\frac{13}{48}$      (D) Both (A) & (C)

7. Which of the following is the correct arrangement of $\frac{-11}{15}, \frac{-3}{10}, \frac{-1}{5}$ and $\frac{13}{20}$ in descending order?

(A) $\frac{13}{20}, \frac{-1}{5}, \frac{-11}{15}, \frac{-3}{10}$      (B) $\frac{13}{20}, \frac{-1}{5}, \frac{-11}{15}, \frac{-3}{10}$

(C) $\frac{13}{20}, \frac{-11}{15}, \frac{-3}{10}, \frac{1}{5}$      (D) $\frac{13}{20}, \frac{-3}{10}, \frac{-11}{15}, \frac{1}{5}$

8. Simplify $\frac{2}{5} + \frac{8}{3} + \frac{-11}{15} + \frac{4}{5} + \frac{-2}{3}$

(A) $\frac{37}{15}$      (B) $\frac{-37}{15}$      (C) $\frac{-36}{15}$      (D) $\frac{-38}{5}$

9. What is the sum of the additive inverse and multiplicative inverse of 2?

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

10. Subtract $\frac{2}{3}$ from $\frac{7}{8}$.

(A) $\frac{-5}{24}$      (B) $\frac{5}{24}$      (C) $\frac{-7}{16}$      (D) $\frac{5}{16}$

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# ANSWERS

1. D
2. D
3. B
4. D
5. D
6. D
7. A
8. A
9. B
10. B