

# Number & Algebra Assessment

## ACMNA183 –Rational Numbers



Name: \_\_\_\_\_

Score: \_\_\_\_\_

Teacher: \_\_\_\_\_



Assessment



Navigator



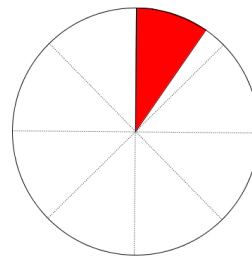
Student



30 min

Q.1. The fraction shaded is closest to:

- a)  $\frac{1}{9}$                       b)  $\frac{1}{7}$   
c)  $\frac{1}{4}$                         d)  $\frac{1}{3}$   
e)  $\frac{2}{5}$



Q.2. The fraction shaded is closest to:

- a)  $\frac{1}{3}$                         b)  $\frac{5}{6}$   
c)  $\frac{11}{12}$                     d)  $2\frac{1}{2}$   
e)  $\frac{11}{18}$



Q.3. Which one of the following values would be a useful common denominator for the sum:

$$\frac{1}{4} + \frac{1}{6}$$

- a) 2                      b) 4                      c) 6                      d) 10                      e) 12

Q.4. Which one of the following is equal to:  $\frac{3}{4}$

- a)  $\frac{1}{2} + \frac{1}{3}$                       b)  $\frac{1}{2} + \frac{2}{3}$                       c)  $\frac{1}{3} + \frac{1}{4}$                       d)  $\frac{1}{12} + \frac{2}{3}$                       e)  $\frac{1}{5} + \frac{2}{7}$

Q.5. Which fraction is closest to:  $\frac{302}{407}$

- a)  $\frac{1}{4}$                       b)  $\frac{1}{2}$                       c)  $\frac{3}{4}$                       d)  $\frac{4}{5}$                       e) 1

Q.6. Which fraction is closest to:  $\frac{99}{201} + \frac{101}{400}$

- a)  $\frac{1}{4}$                       b)  $\frac{1}{3}$                       c)  $\frac{1}{2}$                       d)  $\frac{3}{4}$                       e) 1

Q.7. Which one of the following calculations will produce the **smallest** answer:

- a)  $\frac{1}{2} + \frac{1}{6}$                       b)  $\frac{1}{3} \times \frac{1}{6}$                       c)  $\frac{1}{2} \div \frac{1}{6}$                       d)  $\frac{1}{2} - \frac{1}{6}$                       e)  $\frac{1}{6} \div \frac{1}{2}$

Q.8. Which calculation will result in the **largest** value?

- a)  $\frac{1}{2} \div \frac{1}{4}$                       b)  $\frac{1}{2} \div \frac{1}{5}$                       c)  $\frac{1}{2} \div \frac{2}{3}$                       d)  $\frac{1}{2} \div \frac{3}{5}$                       e)  $\frac{1}{2} \div 2$

Q.9.  $4\frac{1}{13} \times 5\frac{1}{11}$  will be closest to which one of the following?

- a) 4                      b) 5                      c) 9                      d) 21                      e) 24

Q.10.  $4\frac{1}{3} \div 2\frac{1}{7}$  will be closest to which one of the following?

- a)  $\frac{2}{9}$                       b) 2                      c) 4                      d)  $4\frac{1}{3}$                       e)  $9\frac{7}{18}$