## Number \& Algebra Assessment

ACMNA183 -Rational Numbers

## Name:

Score:


Assessment

Navigator

Student

Teacher: $\qquad$
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) $2 \frac{1}{2}$

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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) $\frac{1}{2} \times \frac{1}{6}$
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) $9 \frac{7}{18}$

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