

## Answer Key

### Quantitative Review

1.  $\frac{1}{2}$   
 $\frac{1}{2} = \frac{1}{2} \times \frac{1}{1} = \frac{1 \times 1}{2 \times 1} = \frac{1}{2}$
2.  $\frac{2}{3}$   
 $\frac{2}{3} = \frac{2}{3} \times \frac{1}{1} = \frac{2 \times 1}{3 \times 1} = \frac{2}{3}$
3.  $\frac{3}{4}$   
 $\frac{3}{4} = \frac{3}{4} \times \frac{1}{1} = \frac{3 \times 1}{4 \times 1} = \frac{3}{4}$
4.  $\frac{4}{5}$   
 $\frac{4}{5} = \frac{4}{5} \times \frac{1}{1} = \frac{4 \times 1}{5 \times 1} = \frac{4}{5}$
5.  $\frac{5}{6}$   
 $\frac{5}{6} = \frac{5}{6} \times \frac{1}{1} = \frac{5 \times 1}{6 \times 1} = \frac{5}{6}$
6.  $\frac{6}{7}$   
 $\frac{6}{7} = \frac{6}{7} \times \frac{1}{1} = \frac{6 \times 1}{7 \times 1} = \frac{6}{7}$
7.  $\frac{7}{8}$   
 $\frac{7}{8} = \frac{7}{8} \times \frac{1}{1} = \frac{7 \times 1}{8 \times 1} = \frac{7}{8}$
8.  $\frac{8}{9}$   
 $\frac{8}{9} = \frac{8}{9} \times \frac{1}{1} = \frac{8 \times 1}{9 \times 1} = \frac{8}{9}$
9.  $\frac{9}{10}$   
 $\frac{9}{10} = \frac{9}{10} \times \frac{1}{1} = \frac{9 \times 1}{10 \times 1} = \frac{9}{10}$
10. Commutative property of addition
11. Associative property of addition
12. Identity property of addition
13. Inverse property of addition
14. Distributive property
15. Inverse property of multiplication:  $100 \times \frac{1}{100}$   
 $100 \times \frac{1}{10} = 10$ ;  $100 \times \frac{1}{100} = 1$ ;  $100 \times \frac{1}{1000} = \frac{1}{10}$ ;  $100 \times \frac{1}{10000} = \frac{1}{100}$   
 $100 \times \frac{1}{100000} = \frac{1}{1000}$ ;  $100 \times \frac{1}{1000000} = \frac{1}{10000}$
16.  $100 \times \frac{1}{100} = 1$ ;  $100 \times \frac{1}{1000} = \frac{1}{10}$ ;  $100 \times \frac{1}{10000} = \frac{1}{100}$   
 $100 \times \frac{1}{100000} = \frac{1}{1000}$ ;  $100 \times \frac{1}{1000000} = \frac{1}{10000}$
17.  $100 \times \frac{1}{100} = 1$ ;  $100 \times \frac{1}{1000} = \frac{1}{10}$ ;  $100 \times \frac{1}{10000} = \frac{1}{100}$   
 $100 \times \frac{1}{100000} = \frac{1}{1000}$ ;  $100 \times \frac{1}{1000000} = \frac{1}{10000}$
18.  $100 \times \frac{1}{100} = 1$ ;  $100 \times \frac{1}{1000} = \frac{1}{10}$ ;  $100 \times \frac{1}{10000} = \frac{1}{100}$   
 $100 \times \frac{1}{100000} = \frac{1}{1000}$ ;  $100 \times \frac{1}{1000000} = \frac{1}{10000}$
19.  $100 \times \frac{1}{100} = 1$ ;  $100 \times \frac{1}{1000} = \frac{1}{10}$ ;  $100 \times \frac{1}{10000} = \frac{1}{100}$   
 $100 \times \frac{1}{100000} = \frac{1}{1000}$ ;  $100 \times \frac{1}{1000000} = \frac{1}{10000}$
20.  $100 \times \frac{1}{100} = 1$ ;  $100 \times \frac{1}{1000} = \frac{1}{10}$ ;  $100 \times \frac{1}{10000} = \frac{1}{100}$   
 $100 \times \frac{1}{100000} = \frac{1}{1000}$ ;  $100 \times \frac{1}{1000000} = \frac{1}{10000}$
21.  $100 \times \frac{1}{100} = 1$ ;  $100 \times \frac{1}{1000} = \frac{1}{10}$ ;  $100 \times \frac{1}{10000} = \frac{1}{100}$   
 $100 \times \frac{1}{100000} = \frac{1}{1000}$ ;  $100 \times \frac{1}{1000000} = \frac{1}{10000}$
22.  $a + 0 = a$   
 $\frac{1}{2} + 0 = \frac{1}{2}$
23.  $a + 0 = a$   
 $\frac{2}{3} + 0 = \frac{2}{3}$
24.  $a + 0 = a$   
 $\frac{3}{4} + 0 = \frac{3}{4}$
25.  $a + 0 = a$   
 $\frac{4}{5} + 0 = \frac{4}{5}$
26.  $a + 0 = a$   
 $\frac{5}{6} + 0 = \frac{5}{6}$
27.  $a + 0 = a$   
 $\frac{6}{7} + 0 = \frac{6}{7}$
28.  $a + 0 = a$   
 $\frac{7}{8} + 0 = \frac{7}{8}$
29.  $a + 0 = a$   
 $\frac{8}{9} + 0 = \frac{8}{9}$
30.  $a + 0 = a$   
 $\frac{9}{10} + 0 = \frac{9}{10}$

31.  $a + 0 = a$   
 $\frac{1}{2} + 0 = \frac{1}{2}$
32.  $a + 0 = a$   
 $\frac{2}{3} + 0 = \frac{2}{3}$
33.  $a + 0 = a$   
 $\frac{3}{4} + 0 = \frac{3}{4}$
34.  $a + 0 = a$   
 $\frac{4}{5} + 0 = \frac{4}{5}$
35.  $a + 0 = a$   
 $\frac{5}{6} + 0 = \frac{5}{6}$
36.  $a + 0 = a$   
 $\frac{6}{7} + 0 = \frac{6}{7}$
37.  $a + 0 = a$   
 $\frac{7}{8} + 0 = \frac{7}{8}$
38.  $a + 0 = a$   
 $\frac{8}{9} + 0 = \frac{8}{9}$
39.  $a + 0 = a$   
 $\frac{9}{10} + 0 = \frac{9}{10}$
40.  $a + 0 = a$   
 $\frac{1}{2} + 0 = \frac{1}{2}$
41.  $a + 0 = a$   
 $\frac{2}{3} + 0 = \frac{2}{3}$
42.  $a + 0 = a$   
 $\frac{3}{4} + 0 = \frac{3}{4}$
43.  $a + 0 = a$   
 $\frac{4}{5} + 0 = \frac{4}{5}$
44.  $a + 0 = a$   
 $\frac{5}{6} + 0 = \frac{5}{6}$
45.  $a + 0 = a$   
 $\frac{6}{7} + 0 = \frac{6}{7}$
46.  $a + 0 = a$   
 $\frac{7}{8} + 0 = \frac{7}{8}$
47.  $a + 0 = a$   
 $\frac{8}{9} + 0 = \frac{8}{9}$
48.  $a + 0 = a$   
 $\frac{9}{10} + 0 = \frac{9}{10}$
49.  $a + 0 = a$   
 $\frac{1}{2} + 0 = \frac{1}{2}$
50.  $a + 0 = a$   
 $\frac{2}{3} + 0 = \frac{2}{3}$
51.  $a + 0 = a$   
 $\frac{3}{4} + 0 = \frac{3}{4}$
52.  $a + 0 = a$   
 $\frac{4}{5} + 0 = \frac{4}{5}$
53.  $a + 0 = a$   
 $\frac{5}{6} + 0 = \frac{5}{6}$
54.  $a + 0 = a$   
 $\frac{6}{7} + 0 = \frac{6}{7}$
55.  $a + 0 = a$   
 $\frac{7}{8} + 0 = \frac{7}{8}$
56.  $a + 0 = a$   
 $\frac{8}{9} + 0 = \frac{8}{9}$
57.  $a + 0 = a$   
 $\frac{9}{10} + 0 = \frac{9}{10}$