

Answer Key

Quantitative Review

1.

$$\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$$

2.

$$\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$$

3.

$$\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$$

4. Commutative property of addition

5. Associative property of addition

6. Identity property of addition

7a. Inverse property of addition

7b. Distributive property

8a. Inverse property of multiplication: $100 \cdot \frac{1}{100}$

8b. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8c. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8d. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8e. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8f. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8g. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8h. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8i. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8j. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8k. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8l. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8m. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8n. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8o. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8p. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8q. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8r. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8s. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8t. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

8u. $100 \cdot 100$, $100 \cdot 25$, $100 \cdot 50$, $100 \cdot 75$, $100 \cdot 100$, $100 \cdot 125$

9a. $a + b = 1$

$$\frac{1}{2} + \frac{1}{2} = 1$$

$$\frac{1}{3} + \frac{2}{3} = 1$$

$$\frac{1}{4} + \frac{3}{4} = 1$$

$$\frac{1}{5} + \frac{4}{5} = 1$$

$$\frac{1}{6} + \frac{5}{6} = 1$$

$$\frac{1}{7} + \frac{6}{7} = 1$$

$$\frac{1}{8} + \frac{7}{8} = 1$$

$$\frac{1}{9} + \frac{8}{9} = 1$$

$$\frac{1}{10} + \frac{9}{10} = 1$$

$$\frac{1}{11} + \frac{10}{11} = 1$$

$$\frac{1}{12} + \frac{11}{12} = 1$$

$$\frac{1}{13} + \frac{12}{13} = 1$$

$$\frac{1}{14} + \frac{13}{14} = 1$$

$$\frac{1}{15} + \frac{14}{15} = 1$$

$$\frac{1}{16} + \frac{15}{16} = 1$$

$$\frac{1}{17} + \frac{16}{17} = 1$$

$$\frac{1}{18} + \frac{17}{18} = 1$$

$$\frac{1}{19} + \frac{18}{19} = 1$$

$$\frac{1}{20} + \frac{19}{20} = 1$$

$$\frac{1}{21} + \frac{20}{21} = 1$$

$$\frac{1}{22} + \frac{21}{22} = 1$$

$$\frac{1}{23} + \frac{22}{23} = 1$$

$$\frac{1}{24} + \frac{23}{24} = 1$$

$$\frac{1}{25} + \frac{24}{25} = 1$$

$$\frac{1}{26} + \frac{25}{26} = 1$$

$$\frac{1}{27} + \frac{26}{27} = 1$$

$$\frac{1}{28} + \frac{27}{28} = 1$$

$$\frac{1}{29} + \frac{28}{29} = 1$$

$$\frac{1}{30} + \frac{29}{30} = 1$$

$$\frac{1}{31} + \frac{30}{31} = 1$$

$$\frac{1}{32} + \frac{31}{32} = 1$$

$$\frac{1}{33} + \frac{32}{33} = 1$$

$$\frac{1}{34} + \frac{33}{34} = 1$$

$$\frac{1}{35} + \frac{34}{35} = 1$$

$$\frac{1}{36} + \frac{35}{36} = 1$$

$$\frac{1}{37} + \frac{36}{37} = 1$$

$$\frac{1}{38} + \frac{37}{38} = 1$$

$$\frac{1}{39} + \frac{38}{39} = 1$$

$$\frac{1}{40} + \frac{39}{40} = 1$$

9b. $a + b = a + 1$

$$\frac{1}{2} + \frac{1}{2} = 1$$

$$\frac{1}{3} + \frac{2}{3} = 1$$

$$\frac{1}{4} + \frac{3}{4} = 1$$

$$\frac{1}{5} + \frac{4}{5} = 1$$

$$\frac{1}{6} + \frac{5}{6} = 1$$

$$\frac{1}{7} + \frac{6}{7} = 1$$

$$\frac{1}{8} + \frac{7}{8} = 1$$

$$\frac{1}{9} + \frac{8}{9} = 1$$

$$\frac{1}{10} + \frac{9}{10} = 1$$

$$\frac{1}{11} + \frac{10}{11} = 1$$

$$\frac{1}{12} + \frac{11}{12} = 1$$

$$\frac{1}{13} + \frac{12}{13} = 1$$

$$\frac{1}{14} + \frac{13}{14} = 1$$

$$\frac{1}{15} + \frac{14}{15} = 1$$

$$\frac{1}{16} + \frac{15}{16} = 1$$

$$\frac{1}{17} + \frac{16}{17} = 1$$

$$\frac{1}{18} + \frac{17}{18} = 1$$

$$\frac{1}{19} + \frac{18}{19} = 1$$

$$\frac{1}{20} + \frac{19}{20} = 1$$

$$\frac{1}{21} + \frac{20}{21} = 1$$

$$\frac{1}{22} + \frac{21}{22} = 1$$

$$\frac{1}{23} + \frac{22}{23} = 1$$

$$\frac{1}{24} + \frac{23}{24} = 1$$

$$\frac{1}{25} + \frac{24}{25} = 1$$

$$\frac{1}{26} + \frac{25}{26} = 1$$

$$\frac{1}{27} + \frac{26}{27} = 1$$

$$\frac{1}{28} + \frac{27}{28} = 1$$

$$\frac{1}{29} + \frac{28}{29} = 1$$

$$\frac{1}{30} + \frac{29}{30} = 1$$

$$\frac{1}{31} + \frac{30}{31} = 1$$

$$\frac{1}{32} + \frac{31}{32} = 1$$

$$\frac{1}{33} + \frac{32}{33} = 1$$

$$\frac{1}{34} + \frac{33}{34} = 1$$

$$\frac{1}{35} + \frac{34}{35} = 1$$

$$\frac{1}{36} + \frac{35}{36} = 1$$

$$\frac{1}{37} + \frac{36}{37} = 1$$

$$\frac{1}{38} + \frac{37}{38} = 1$$

$$\frac{1}{39} + \frac{38}{39} = 1$$

$$\frac{1}{40} + \frac{39}{40} = 1$$