



## Year 5 Worksheet 10 - Fractions

Question 1: Add the following, simplify or convert to a mixed number.

|                                 |                                |                                |
|---------------------------------|--------------------------------|--------------------------------|
| $\frac{3}{4} + \frac{2}{4} =$   | $\frac{4}{5} + \frac{1}{5} =$  | $\frac{5}{8} + \frac{6}{8} =$  |
| $\frac{2}{7} + \frac{1}{14} =$  | $\frac{2}{4} + \frac{1}{2} =$  | $\frac{3}{7} + \frac{4}{21} =$ |
| $\frac{6}{42} + \frac{2}{7} =$  | $\frac{4}{25} + \frac{4}{5} =$ | $\frac{3}{16} + \frac{1}{2} =$ |
| $\frac{2}{7} + \frac{7}{2} =$   | $\frac{1}{4} + \frac{5}{6} =$  | $\frac{3}{7} + \frac{4}{9} =$  |
| $\frac{4}{7} + \frac{2}{6} =$   | $\frac{2}{7} + \frac{6}{8} =$  | $\frac{3}{9} + \frac{4}{5} =$  |
| $\frac{5}{28} + \frac{2}{14} =$ | $\frac{3}{10} + \frac{1}{5} =$ | $\frac{4}{27} + \frac{1}{9} =$ |



Question 2: Subtract the following, simplify or convert to a mixed number.

|                                 |                                   |                                   |
|---------------------------------|-----------------------------------|-----------------------------------|
| $\frac{4}{5} - \frac{1}{5} =$   | $\frac{7}{8} - \frac{2}{8} =$     | $\frac{11}{9} - \frac{5}{9} =$    |
| $\frac{4}{10} - \frac{1}{2} =$  | $\frac{9}{6} - \frac{1}{3} =$     | $\frac{13}{15} - \frac{1}{5} =$   |
| $\frac{7}{10} - \frac{1}{5} =$  | $\frac{8}{14} - \frac{1}{2} =$    | $\frac{3}{45} - \frac{1}{5} =$    |
| $\frac{6}{7} - \frac{2}{3} =$   | $\frac{12}{15} - \frac{1}{4} =$   | $\frac{15}{19} - \frac{2}{8} =$   |
| $\frac{18}{21} - \frac{1}{6} =$ | $\frac{16}{20} - \frac{4}{9} =$   | $\frac{25}{26} - \frac{2}{9} =$   |
| $\frac{32}{34} - \frac{1}{5} =$ | $\frac{26}{27} - \frac{24}{37} =$ | $\frac{35}{45} - \frac{21}{54} =$ |



Question 3: Multiply the following, simplify or convert to a mixed number.

|                             |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| $\frac{3}{4} \times 3 =$    | $\frac{6}{7} \times 9 =$    | $\frac{5}{7} \times 4 =$    |
| $\frac{12}{13} \times 9 =$  | $\frac{21}{25} \times 10 =$ | $\frac{13}{34} \times 7 =$  |
| $\frac{35}{57} \times 6 =$  | $\frac{43}{55} \times 5 =$  | $\frac{37}{49} \times 8 =$  |
| $\frac{21}{35} \times 11 =$ | $\frac{32}{45} \times 12 =$ | $\frac{43}{19} \times 17 =$ |
| $\frac{36}{59} \times 23 =$ | $\frac{53}{99} \times 35 =$ | $\frac{45}{67} \times 48 =$ |
| $\frac{56}{89} \times 49 =$ | $\frac{24}{48} \times 67 =$ | $\frac{98}{25} \times 55 =$ |



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## Answer Key

Question 1: Add the following, simplify or convert to a mixed number.

|  |  |  |
|--|--|--|
| $\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$    | $\frac{4}{5} + \frac{1}{5} = 1$              | $\frac{5}{8} + \frac{6}{8} = \frac{11}{8}$   |
| $\frac{2}{7} + \frac{1}{14} = \frac{5}{14}$  | $\frac{2}{4} + \frac{1}{2} = 1$              | $\frac{3}{7} + \frac{4}{21} = \frac{13}{21}$ |
| $\frac{6}{42} + \frac{2}{7} = \frac{3}{7}$   | $\frac{4}{25} + \frac{4}{5} = \frac{24}{25}$ | $\frac{3}{16} + \frac{1}{2} = \frac{11}{16}$ |
| $\frac{2}{7} + \frac{7}{2} = 3\frac{11}{14}$ | $\frac{1}{4} + \frac{5}{6} = 1\frac{1}{12}$  | $\frac{3}{7} + \frac{4}{9} = \frac{55}{63}$  |
| $\frac{4}{7} + \frac{2}{6} = \frac{19}{21}$  | $\frac{2}{7} + \frac{6}{8} = 1\frac{1}{28}$  | $\frac{3}{9} + \frac{4}{5} = 1\frac{2}{15}$  |
| $\frac{5}{28} + \frac{2}{14} = \frac{9}{28}$ | $\frac{3}{10} + \frac{1}{5} = \frac{1}{2}$   | $\frac{4}{27} + \frac{1}{9} = \frac{7}{27}$  |



Question 2: Subtract the following, simplify or convert to a mixed number.

|   |   |   |
|---|---|---|
| $\frac{4}{5} - \frac{1}{5} = \frac{3}{5}$     | $\frac{7}{8} - \frac{2}{8} = \frac{5}{8}$         | $\frac{11}{9} - \frac{5}{9} = \frac{2}{3}$      |
| $\frac{8}{10} - \frac{1}{2} = \frac{3}{10}$   | $\frac{9}{6} - \frac{1}{3} = \frac{7}{6}$         | $\frac{13}{15} - \frac{1}{5} = \frac{2}{3}$     |
| $\frac{7}{10} - \frac{1}{5} = \frac{1}{2}$    | $\frac{8}{14} - \frac{1}{2} = \frac{1}{14}$       | $\frac{15}{45} - \frac{1}{5} = \frac{2}{15}$    |
| $\frac{6}{7} - \frac{2}{3} = \frac{4}{21}$    | $\frac{12}{15} - \frac{1}{4} = \frac{11}{20}$     | $\frac{15}{19} - \frac{2}{8} = \frac{41}{76}$   |
| $\frac{18}{21} - \frac{1}{6} = \frac{29}{42}$ | $\frac{16}{20} - \frac{4}{9} = \frac{16}{45}$     | $\frac{25}{26} - \frac{2}{9} = \frac{173}{234}$ |
| $\frac{32}{34} - \frac{1}{5} = \frac{63}{85}$ | $\frac{26}{27} - \frac{24}{37} = \frac{314}{999}$ | $\frac{35}{45} - \frac{21}{54} = \frac{7}{18}$  |



Question 3: Multiply the following, simplify or convert to a mixed number.

|   |   |   |
|---|---|---|
| $\frac{3}{4} \times 3 = 2\frac{1}{4}$       | $\frac{6}{7} \times 9 = 7\frac{5}{7}$       | $\frac{5}{7} \times 4 = 2\frac{6}{7}$       |
| $\frac{12}{13} \times 9 = 8\frac{4}{13}$    | $\frac{21}{25} \times 10 = 8\frac{2}{5}$    | $\frac{13}{34} \times 7 = 2\frac{23}{34}$   |
| $\frac{35}{57} \times 6 = 3\frac{13}{19}$   | $\frac{43}{55} \times 5 = 3\frac{10}{11}$   | $\frac{37}{49} \times 8 = 6\frac{2}{49}$    |
| $\frac{21}{35} \times 11 = 6\frac{3}{5}$    | $\frac{32}{45} \times 12 = 8\frac{8}{15}$   | $\frac{43}{19} \times 17 = 38\frac{9}{19}$  |
| $\frac{36}{59} \times 23 = 14\frac{2}{59}$  | $\frac{53}{99} \times 35 = 18\frac{73}{99}$ | $\frac{45}{67} \times 48 = 32\frac{16}{67}$ |
| $\frac{56}{89} \times 49 = 32\frac{43}{89}$ | $\frac{24}{48} \times 67 = 33\frac{1}{2}$   | $\frac{98}{25} \times 55 = 215\frac{3}{5}$  |