QT Fractions - Add & Subtract

1. Work out $\frac{3}{20} + \frac{3}{10}$ (2 marks)

$$\frac{3}{20} + \frac{6}{20} = \frac{9}{20}$$

2. Work out $\frac{4}{5} - \frac{7}{10}$ (2 marks)

$$\frac{8}{10} - \frac{7}{10} = \frac{1}{10}$$

3. Work out $\frac{1}{20} + \frac{3}{5}$ (2 marks)

$$\frac{1}{20} + \frac{12}{20} = \frac{13}{20}$$

4. Work out $\frac{7}{8} - \frac{3}{16}$ (2 marks)

$$\frac{14}{16} - \frac{3}{16} = \frac{11}{16}$$

5. Work out $\frac{1}{5} + \frac{3}{4}$ (2 marks)

$$\frac{4}{20} + \frac{15}{20} = \frac{19}{20}$$

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6. Work out $\frac{4}{5} - \frac{1}{4}$ (2 marks)

$$\frac{16}{20} - \frac{5}{20} = \frac{11}{20}$$

7. Work out $\frac{1}{12} + \frac{3}{4}$ (2 marks)

$$\frac{1}{12} + \frac{9}{12} = \frac{10}{12} = \frac{5}{6}$$

8. Work out $\frac{9}{12} - \frac{1}{10}$ (2 marks)

$$\frac{90}{120} - \frac{12}{120} = \frac{78}{120} \quad \overset{\div 2}{\frown} \quad \frac{39}{60} \quad \overset{\div 3}{\frown} \quad \frac{13}{20}$$
$$\underset{\div 2}{\smile} \qquad \underset{\div 3}{\smile}$$

9. Work out $\frac{2}{9} + \frac{3}{10}$ (2 marks)

$$\frac{20}{90} + \frac{27}{90} = \frac{47}{90}$$

10. Work out $\frac{6}{7} - \frac{5}{12}$ (2 marks)

$$\frac{72}{84} - \frac{35}{84} = \frac{37}{84}$$

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11. Work out $1\frac{3}{20} + 2\frac{3}{10}$. Give your answer as a mixed number. (2 marks)

$1\frac{3}{20} + 2\frac{6}{20} = 3\frac{9}{20}$

12. Work out $3\frac{4}{5} - 1\frac{7}{10}$. Give your answer as a mixed number. (2 marks)

$3\frac{5}{6} - 1\frac{7}{6} = 2\frac{1}{10}$

13. Work out $9\frac{1}{20} + 2\frac{3}{5}$. Give your answer as a mixed number. (2 marks)

$9\frac{1}{20} + 2\frac{5}{20} = 11\frac{13}{20}$

14. Work out $3\frac{7}{8} - 1\frac{3}{16}$. Give your answer as a mixed number. (2 marks)

$3\frac{14}{16} - 1\frac{3}{16} = 2\frac{11}{16}$

15. Work out $6\frac{1}{5} + 2\frac{3}{4}$. Give your answer as a mixed number. (2 marks)

$6\frac{4}{20} + 2\frac{15}{20} = 8\frac{19}{20}$

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16. Work out $1\frac{4}{5} + 2\frac{3}{4}$. Give your answer as a mixed number in its simplest form.

(3 marks)

$1\frac{16}{20} + 2\frac{15}{20} = 3\frac{31}{20} = 4\frac{11}{20}$

$3 + \frac{20}{20} + \frac{11}{20}$

17. Work out $3\frac{2}{5} - 1\frac{3}{4}$. Give your answer as a mixed number in its simplest form.

(3 marks)

$2\frac{20}{20} + \frac{5}{20}3\frac{5}{20} - 1\frac{15}{20} = 2\frac{25}{20} - 1\frac{15}{20}$

$2\frac{25}{20} \qquad\qquad = 1\frac{13}{20}$

18. Work out $2\frac{11}{12} + 2\frac{3}{8}$. Give your answer as a mixed number in its simplest form.

(3 marks)

$2\frac{22}{24} + 2\frac{9}{24} = 4\frac{31}{24} = 5\frac{7}{24}$

19. Work out $3\frac{9}{12} - 1\frac{1}{10}$. Give your answer as a mixed number in its simplest form.

(3 marks)

$3\frac{90}{60} - 1\frac{15}{60} = 2\frac{75}{60} = 2\frac{39}{60} = 2\frac{13}{20}$

20. Work out $5\frac{8}{9} + 2\frac{9}{10}$. Give your answer as a mixed number in its simplest form.

(3 marks)

$5\frac{80}{90} + 2\frac{81}{90} = 7\frac{161}{90} = 8\frac{71}{90}$

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