Year 8 Class 6 questions

Q1

Add these fractions, giving your answer in its **simplest** form.

$\frac{15}{17} + \frac{3}{34} = \frac{\square}{\square}$ $\frac{33}{34}$

Q2

Add these fractions, giving your answer in its **simplest** form.

$1\frac{1}{4} + 2\frac{1}{4} = \square\frac{\square}{\square}$ $3\frac{1}{2}$

Q3

$\frac{5}{33} \div \frac{7}{22} =$

$\frac{7}{21}$ $\frac{35}{54}$ $\frac{10}{21}$ $\frac{181}{210}$ $\frac{10}{21}$

Q4

$15.621 \div 3 =$ $\square$ 5.207

Q5

$0.0255 \div 0.03 =$ $\square$ 0.85

Q6

Add these fractions, giving your answer in its **simplest** form.

$\frac{3}{5} + \frac{1}{2} = \square\frac{\square}{\square}$ $1\frac{1}{10}$

Q7

Add these fractions, giving your answer as a mixed number in its **simplest** form.

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

Q8

Add these fractions, giving your answer in its **simplest** form.

$3\frac{1}{4} + 1\frac{3}{10} = \square\frac{\square}{\square}$ $4\frac{11}{20}$

Q9

Add these fractions, giving your answer in its **simplest** form.

$5\frac{3}{4} + 1\frac{7}{10} = \square\frac{\square}{\square}$ $7\frac{9}{20}$

Q10

Complete the division.

$\frac{2}{35} \div \frac{6}{7} = \frac{\square}{\square}$ $\frac{1}{15}$

Q11

Complete the division.

$\frac{27}{350} \div \frac{12}{77} = \frac{\square}{\square}$ $\frac{99}{200}$

Q12

$6.85 \div 2 =$ $\square$ 3.425

Q13

$16.56 \div 8 =$ ☐ 2.07

Q14

$0.0098 \div 0.08 =$ ☐ 0.1225

Q15

$8.046 \div 0.9 =$ ☐ 8.94

Q16

Add these fractions, giving your answer as a mixed number in its **simplest** form.

$\frac{9}{10} + \frac{7}{8} =$ ☐ $1\frac{31}{40}$

Q17

Add these fractions, giving your answer as a mixed number in its **simplest** form.

$\frac{3}{4} + \frac{1}{2} + \frac{3}{4} =$ ☐ 2

Q18

Add these fractions, giving your answer as a mixed number in its **simplest** form.

$\frac{1}{2} + \frac{1}{3} + \frac{3}{4} =$ ☐ $1\frac{7}{12}$

Q19

Add these fractions, giving your answer in its **simplest** form.

$15\frac{2}{3} + 14\frac{3}{4} =$ ☐ $30\frac{5}{12}$

Q20

Add these fractions, giving your answer in its **simplest** form.

$19\frac{11}{15} + 7\frac{31}{45} =$ ☐ $27\frac{19}{45}$

Q21

$6\frac{2}{3} + \frac{5}{7} =$

$7\frac{1}{7}$ $6\frac{7}{10}$ $7\frac{2}{21}$ $7\frac{8}{21}$

Q22

Find the answer in **simplest** form.

$\frac{5}{8} \div \frac{3}{10} =$ ☐ $\frac{25}{12}$

$=$ ☐ $2\frac{1}{12}$

Q23

Find the answer in **simplest** form.

$\frac{6}{7} \div \frac{4}{9} =$ ☐ $\frac{27}{14}$

$=$ ☐ $1\frac{13}{14}$

Q24

Find the answer in **simplest** form.

$\frac{32}{75} \div \frac{56}{165} =$ ☐ $\frac{44}{35}$

$=$ ☐ $1\frac{9}{35}$

Q25

0.97 ÷ 4 = 0.2425

Q26

17.9 ÷ 8 = 2.2375

Q27

0.67 ÷ 8 = 0.08375

Q28

0.051327 ÷ 0.009 = 5.703

Q29

3.41 ÷ 0.04 = 85.25

Q30

4.78 ÷ 0.05 = 95.6