Year 7 Class 7 questions

Q1

Complete the equivalent fraction.

$\frac{7}{20} = \frac{42}{\square}$ $\frac{42}{120}$

Q2

Choose the correct symbol.

$\frac{5}{8} \square \frac{1}{2}$ $\frac{5}{8} > \frac{1}{2}$

< > =

Q3

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

$\frac{19}{65} + \frac{29}{65} = \frac{\square}{\square}$ $\frac{48}{65}$

Q4

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

$\frac{5}{12}$ $\frac{6}{7}$ $\frac{5}{35}$ $\frac{31}{35}$ $\frac{31}{35}$

Q5

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

$2\frac{1}{3} + 4\frac{2}{5} = \square\frac{\square}{\square}$ $6\frac{11}{15}$

Q6

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

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

Q7

Which is true?

- ○ $\frac{3}{20} = \frac{15}{100}$
- ○ $\frac{4}{11} = \frac{40}{121}$
- ○ $\frac{2}{15} = \frac{16}{105}$
- ○ $\frac{3}{10} = \frac{18}{70}$

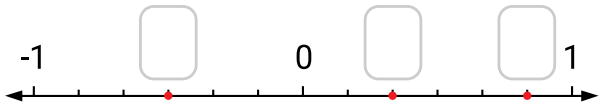
Q8

Which is true?

- ○ $\frac{5}{12} = \frac{30}{84}$
- ○ $\frac{7}{10} = \frac{77}{120}$
- ○ $\frac{7}{12} = \frac{56}{96}$
- ○ $\frac{8}{15} = \frac{72}{150}$

Q9

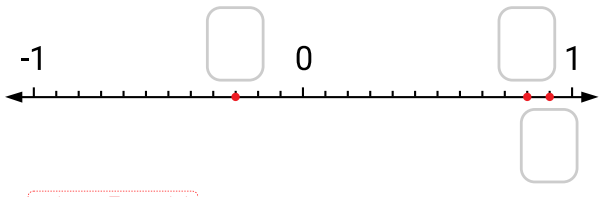
Place the numbers on the number line.



$\frac{1}{3}$ $\frac{1}{2}$ $-\frac{1}{2}$ $\frac{5}{6}$ $\frac{5}{6}$

Q10

Place the numbers on the number line.



$\frac{5}{6}$ $\frac{1}{4}$ $-\frac{1}{4}$ $\frac{11}{12}$ $\frac{11}{12}$

Q11

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

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

Q12

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

$\frac{8}{13} + \frac{9}{13} = \square\frac{\square}{\square}$ $1\frac{4}{13}$

Q13

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

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

Q14

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

$\frac{5}{7} + \frac{4}{5} = \square\frac{\square}{\square}$ $1\frac{18}{35}$

Q15

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

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

Q16

$3\frac{1}{10} + \frac{1}{3} =$

- $3\frac{2}{13}$
- $3\frac{13}{30}$
- $3\frac{7}{30}$
- $3\frac{2}{15}$

Q17

Complete the division. Answer in **simplest** form.

$\frac{7}{12} \div \frac{1}{4} = \square\frac{\square}{\square}$ $2\frac{1}{3}$

Q18

Complete the division.

$\frac{15}{16} \div \frac{21}{22} = \frac{\square}{\square}$ $\frac{55}{56}$

Q19

Which is NOT true?

- $\frac{4}{9} = \frac{40}{81}$
- $\frac{21}{50} = \frac{84}{200}$
- $\frac{3}{4} = \frac{27}{36}$
- $\frac{2}{3} = \frac{16}{24}$

Q20

Which two fractions are equivalent to $\frac{4}{9}$?

$\frac{44}{99}$ $\frac{20}{36}$ $\frac{24}{54}$ $\frac{16}{81}$ $\frac{44}{99}$ and $\frac{24}{54}$

Q21

Arrange in **ascending** order.

$-2\frac{1}{2}$ $-1\frac{3}{5}$ $\frac{3}{5}$

Q22

Arrange in **ascending** order.

$\frac{3}{4}$ $\frac{1}{2}$ $\frac{1}{8}$

$\frac{1}{2}$

Q23

Which of these is NOT true?

- ○ $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$
- ○ $\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$
- → ○ $\frac{2}{5} + \frac{2}{5} = \frac{4}{10}$

Q24

Which of these is NOT true?

- ○ $\frac{3}{10} + \frac{2}{10} = \frac{1}{2}$
- → ○ $\frac{4}{11} + \frac{5}{11} = \frac{9}{22}$
- ○ $\frac{5}{8} + \frac{2}{8} = \frac{7}{8}$

Q25

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

$\frac{4}{15} + \frac{9}{10} = \square\frac{\square}{\square}$ $1\frac{1}{6}$

Q26

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

$\frac{1}{2} + \frac{1}{8} + \frac{1}{4} = \frac{\square}{\square}$ $\frac{7}{8}$

Q27

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

$15\frac{7}{12} + 9\frac{13}{48} = \square\frac{\square}{\square}$ $24\frac{41}{48}$

Q28

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

$5\frac{1}{2}$ → $5\frac{7}{10}$ $5\frac{2}{7}$ $5\frac{1}{5}$

Q29

Find the answer in **simplest** form.

$\frac{4}{5} \div \frac{1}{3} = \frac{\square}{\square}$ $\frac{12}{5}$

$= \square\frac{\square}{\square}$ $2\frac{2}{5}$

Q30

Find the answer in **simplest** form.

$\frac{27}{40} \div \frac{21}{50} = \frac{\square}{\square}$ $\frac{45}{28}$

$= \square\frac{\square}{\square}$ $1\frac{17}{28}$