

# Fractions

Question 1.

$\frac{2}{5} + \frac{3}{10} + \frac{11}{20}$  is equal to:

- (a)  $\frac{25}{20}$
- (b)  $\frac{24}{20}$
- (c)  $\frac{28}{20}$
- (d)  $\frac{19}{20}$

Answer: (a)  $\frac{25}{20}$

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Question 2.

Which of these makes a whole?

- (a) One half
- (b) Two halves
- (c) 3 halves
- (d) 5 halves

Answer: (b) Two halves

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Question 3.

Give a proper fraction whose numerator is 5 and denominator is 7.

- (a)  $\frac{7}{5}$
- (b)  $\frac{5}{7}$
- (c)  $\frac{3}{7}$
- (d) None of these

Answer: (b)  $\frac{5}{7}$

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Question 4.

Mixed fraction  $2\frac{3}{19}$  as improper fraction is:

- (a)  $\frac{40}{19}$
- (b)  $\frac{41}{19}$
- (c)  $\frac{42}{19}$
- (d) none of these

Answer: (b)  $\frac{41}{19}$

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Question 5.

What is the simplified form of the product  $\frac{12}{24}$  and  $\frac{36}{72}$

- (a)  $\frac{16}{24}$
- (b)  $\frac{3}{5}$
- (c) 4
- (d)  $\frac{1}{4}$

Answer: (d)  $\frac{1}{4}$

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Question 6.

The identity  $(x+3)(x+4) = x^2 + 7x + 12$  is true for

- (a) Two values of x
- (b) One value of x
- (c) All value of x
- (d) None of Above

Answer: (c) All value of x

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Question 7.

What do you call fractions with different denominators?

- (a) Like fractions
- (b) Unlike fractions
- (c) Proper fractions
- (d) Improper fractions

Answer: (b) Unlike fractions

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Question 8.

If the numerator and denominator of a fraction are equal then the fraction is:

- (a) less than 1
- (b) equal to 1
- (c) greater than 1
- (d) none of these

Answer: (b) equal to 1

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Question 9.

Mixed fraction of  $\frac{17}{9}$  is:

- (a)  $1\frac{7}{9}$
- (b)  $1\frac{5}{9}$
- (c)  $1\frac{3}{9}$
- (d) none of these

Answer: (c)  $1\frac{3}{9}$

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Question 10.

A fraction with numerator 1 is called:

- (a) like fraction
- (b) proper fraction
- (c) unit fraction
- (d) mixed fraction

Answer: (c) unit fraction

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Question 11.

A two-digit number is such that the product of the digits is 8. When 18 is added to the number, then the digits are reversed. The number is:

- (a) 18
- (b) 24
- (c) 42
- (d) 81

Answer: (b) 24

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Question 12.

A \_\_\_\_\_ is a number representing part of a whole.

- (a) Decimal
- (b) Proper fraction
- (c) Fraction
- (d) None of these

Answer: (c) Fraction

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Question 13.

By how much is  $\frac{19}{20}$  greater than  $\frac{2}{20}$  ?

- (a)  $\frac{21}{20}$
- (b)  $\frac{21}{40}$
- (c)  $\frac{17}{20}$
- (d)  $\frac{17}{40}$

Answer: (c)  $\frac{17}{20}$

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Question 14.

What is the fractional form of five eighteenths?

- (a)  $\frac{15}{18}$
- (b)  $\frac{18}{5}$
- (c)  $\frac{5}{18}$
- (d) 5.18

Answer: (c)  $\frac{5}{18}$

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Question 15.

What fraction of an hour is 40 minutes?

- (a) 1
- (b)  $\frac{1}{3}$
- (c)  $\frac{2}{3}$
- (d) None of these

Answer: (c)  $\frac{2}{3}$

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Question 16.

Numerator of a fraction  $\frac{8}{11}$  is:

- (a) 8
- (b) 11
- (c)  $8 \times 11$
- (d)  $8 \div 11$

Answer: (a) 8

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Question 17.

$\frac{3}{10} + \frac{1}{2}$  is equal to:

- (a)  $\frac{3}{5}$
- (b)  $\frac{2}{5}$
- (c)  $\frac{4}{5}$
- (d) none of these

Answer: (c)  $\frac{4}{5}$

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Question 18.

What type of fraction is the sum  $\frac{3}{4} + \frac{2}{4}$ ?

- (a) Proper fraction
- (b) Improper fraction
- (c) Mixed fraction
- (d) Unit fraction

Answer: (b) Improper fraction

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Question 19.

How is the fractional number for “3 out of 7 of the fruits are apples” written?

- (a)  $\frac{3}{7}$
- (b)  $\frac{7}{3}$
- (c)  $\frac{4}{7}$
- (d)  $\frac{4}{3}$

Answer: (a)  $\frac{3}{7}$

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Question 20.

A fraction whose numerator is less than its denominator is called a:

- (a) unit fraction
- (b) proper fraction
- (c) improper fraction
- (d) none of these

Answer: (b) proper fraction

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Question 21.

Fraction of 50 paise and 1 Re. is:

- (a)  $\frac{1}{3}$
- (b)  $\frac{1}{2}$
- (c)  $\frac{1}{4}$
- (d) none of these

Answer: (b)  $\frac{1}{2}$

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Question 22.

Raju scored 9 marks in maths test. If the maximum marks of the test is 25, how is Raju's score represented as a fraction?

- (a)  $\frac{1}{25}$
- (b)  $\frac{16}{25}$
- (c)  $\frac{9}{25}$
- (d)  $\frac{25}{25}$

Answer: (c)  $\frac{9}{25}$

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Question 23.

Write the natural numbers from 102 to 113. What fraction of them are prime numbers?

- (a)  $\frac{1}{3}$
- (b)  $\frac{1}{2}$
- (c)  $\frac{1}{4}$
- (d) None of these

Answer: (a)  $\frac{1}{3}$

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Question 24.

$12\frac{3}{5} - 8\frac{2}{5}$  is equal to:

- (a)  $4\frac{1}{5}$
- (b)  $5\frac{1}{5}$
- (c)  $6\frac{1}{5}$
- (d)  $7\frac{1}{5}$

Answer: (a)  $4\frac{1}{5}$

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Question 25.

When one year is divided by 3 months the result is:

- (a) 3
- (b) 4
- (c) 5
- (d) none of these

Answer: (b) 4

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Question 26.

Mixed fraction of  $\frac{125}{8}$  is:

- (a)  $15\frac{7}{8}$
- (b)  $15\frac{5}{8}$
- (c)  $15\frac{3}{8}$
- (d) none of these

Answer: (b)  $15\frac{5}{8}$

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Question 27.

The simplest form of  $\frac{16}{72}$  is \_\_\_\_\_

- (a)  $\frac{2}{9}$
- (b)  $\frac{1}{4}$
- (c)  $\frac{1}{2}$
- (d) None of these

Answer: (a)  $\frac{2}{9}$

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Question 28.

What are the fractions with the same denominator called?

- (a) Unit fractions
- (b) Unlike fractions
- (c) Like fractions
- (d) Improper fractions

Answer: (c) Like fractions

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Question 29.

When we add  $2\frac{4}{5}$  and  $3\frac{1}{5}$  the sum is equivalent to:

- (a) 6
- (b) 4
- (c) 3
- (d) 2

Answer: (a) 6

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Question 30.

Mixed fraction  $3\frac{1}{4}$  as improper fraction is:

- (a)  $\frac{11}{4}$
- (b)  $\frac{13}{4}$
- (c)  $\frac{15}{4}$
- (d) none of these

Answer: (b)  $\frac{13}{4}$

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Question 31.

What is increasing order of the fractions  $\frac{14}{17}$ ,  $\frac{10}{12}$ ,  $\frac{6}{7}$ ,  $\frac{18}{22}$  ?

- (a)  $\frac{6}{7}$ ,  $\frac{14}{17}$ ,  $\frac{10}{12}$ ,  $\frac{18}{22}$
- (b)  $\frac{18}{22}$ ,  $\frac{14}{17}$ ,  $\frac{10}{12}$ ,  $\frac{6}{7}$
- (c)  $\frac{14}{17}$ ,  $\frac{10}{12}$ ,  $\frac{6}{7}$ ,  $\frac{18}{22}$
- (d)  $\frac{6}{7}$ ,  $\frac{10}{12}$ ,  $\frac{14}{17}$ ,  $\frac{18}{22}$

Answer: (b)  $\frac{18}{22}$ ,  $\frac{14}{17}$ ,  $\frac{10}{12}$ ,  $\frac{6}{7}$

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Question 32.

Which option gives an equivalent fraction of  $\frac{13}{25}$

- (a)  $\frac{65}{50}$
- (b)  $\frac{26}{75}$
- (c)  $\frac{156}{300}$
- (d)  $\frac{103}{205}$

Answer: (c)  $\frac{156}{300}$

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Question 33.

The equivalent fraction of  $\frac{15}{35}$  with numerator 18 is:

- (a)  $\frac{18}{42}$
- (b)  $\frac{18}{21}$
- (c)  $\frac{18}{20}$
- (d)  $\frac{18}{28}$

Answer: (a)  $\frac{18}{42}$

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Question 34.

$\frac{2}{5}$  and  $\frac{3}{4}$  is equal to:

- (a)  $\frac{23}{20}$
- (b)  $\frac{21}{20}$
- (c)  $\frac{17}{20}$
- (d) none of these

Answer: (a)  $\frac{23}{20}$

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Question 35.

What should be added to  $\frac{11}{17}$  to make it  $\frac{15}{17}$  ?

- (a)  $\frac{26}{17}$
- (b) 4
- (c)  $\frac{4}{17}$
- (d)  $\frac{4}{34}$

Answer: (c)  $\frac{4}{17}$

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Question 36.

What is the fractional form of five eighteenths?

- (a)  $\frac{15}{18}$
- (b)  $\frac{18}{5}$
- (c) 5.18
- (d)  $\frac{5}{18}$

Answer: (d)  $\frac{5}{18}$

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Question 37.

$\frac{35}{8}$  when expressed as a mixed fraction is:

- (a)  $4\frac{8}{3}$
- (b)  $5\frac{4}{7}$
- (c)  $3\frac{3}{8}$
- (d) none of these

Answer: (a)  $4\frac{8}{3}$

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Question 38.

$\frac{12}{52}$  is equal to:

- (a)  $\frac{2}{13}$
- (b)  $\frac{3}{13}$
- (c)  $\frac{4}{13}$
- (d) none of these

Answer: (b)  $\frac{3}{13}$

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Question 39.

Which of the following fractions is the largest?

- (a)  $\frac{29}{30}$
- (b)  $\frac{29}{23}$

- (c)  $\frac{29}{27}$   
(d)  $\frac{29}{27}$

Answer: (b)  $\frac{29}{23}$

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Question 40.

The simplest form of  $\frac{15}{75}$  is \_\_\_\_\_.

- (a)  $\frac{1}{2}$   
(b)  $\frac{1}{4}$   
(c)  $\frac{1}{5}$   
(d) None of these

Answer: (c)  $\frac{1}{5}$

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Question 41.

$4\frac{2}{5}$  when expressed as an improper fraction is:

- (a)  $\frac{18}{5}$   
(b)  $\frac{20}{5}$   
(c)  $\frac{21}{5}$   
(d)  $\frac{22}{5}$

Answer: (d)  $\frac{22}{5}$

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Question 42.

One hour  $\div$  60 mins is equal to:

- (a) 1  
(b) 2  
(c) 3  
(d) none of these

Answer: (a) 1

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Fill in the blanks:

1. Improper fraction of  $1\frac{5}{18}$  is .....

Answer:  $\frac{23}{18}$

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2.  $\frac{2}{3} - \dots\dots\dots = \frac{1}{3}$

Answer:  $\frac{1}{3}$

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3. Simplest form of  $\frac{121}{3137}$  is .....

Answer:  $\frac{1}{11}$

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4. Equivalent fraction of  $\frac{2}{5}$  having numerator 8 is .....

Answer:  $\frac{8}{20}$

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5. Mixed fraction of  $\frac{528}{7}$  is .....

Answer:  $75\frac{3}{7}$

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6. Equivalent fraction of  $\frac{5}{7}$  having denominator 56 .....

Answer:  $\frac{40}{56}$

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7.  $\frac{5}{7} + \frac{1}{7} = \dots\dots\dots$

Answer:  $\frac{6}{7}$

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8.  $\frac{5}{7} - \dots\dots\dots = \frac{3}{7}$

Answer:  $\frac{2}{7}$

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9. Simplest form of  $\frac{84}{98}$  is .....

Answer:  $\frac{6}{7}$

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10. Equivalent fraction of  $\frac{5}{7}$  having denominator 35 is .....

Answer:  $\frac{25}{35}$

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11. Mixed fraction of is  $\frac{231}{9}$  is .....

Answer:  $25\frac{2}{3}$

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12. Equivalent fraction of  $\frac{9}{17}$  numerator 45 is .....

Answer:  $\frac{45}{85}$

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13. Improper fraction of  $2\frac{3}{19}$  is .....

Answer:  $\frac{41}{19}$

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14.  $3\frac{4}{9} + 5\frac{5}{9} =$  .....

Answer: 9

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15. Simplest form of  $\frac{12}{52}$  is .....

Answer:  $\frac{3}{13}$

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Match the following:

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(a) $\frac{20}{3}$	(i) $\frac{53}{5}$
(b) $\frac{28}{5}$	(ii) $\frac{98}{128}$

(c) $10\frac{3}{5}$	(iii) $6\frac{2}{3}$
(d) $\frac{80}{24}$	(iv) $\frac{40}{72}$
(e) $\frac{49}{64}$	(v) $5\frac{3}{5}$
(f) $\frac{50}{60}$	(vi) $\frac{2}{3}$
(g) $\frac{5}{9}$	(vii) $\frac{10}{3}$
(h) $\frac{96}{144}$	(viii) $2\frac{1}{2}$

Answer:

(a) $\frac{20}{3}$	(iii) $6\frac{2}{3}$
(b) $\frac{28}{5}$	(v) $5\frac{3}{5}$
(c) $10\frac{3}{5}$	(i) $\frac{53}{5}$
(d) $\frac{80}{24}$	(vii) $\frac{10}{3}$
(e) $\frac{49}{64}$	(ii) $\frac{98}{128}$
(f) $\frac{50}{60}$	(viii) $2\frac{1}{2}$
(g) $\frac{5}{9}$	(iv) $\frac{40}{72}$
(h) $\frac{96}{144}$	(vi) $\frac{2}{3}$