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) $\frac{25}{20}$

Question 2.
Which of these makes a whole?
(a) One half
(b) Two halves
(c) 3 halves
(d) 5 halves

Answer: (b) Two halves

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) $\frac{5}{7}$

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) $\frac{41}{19}$

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) $\frac{1}{4}$

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

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

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

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) $1\frac{3}{9}$

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

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

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

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) $\frac{17}{20}$

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) $\frac{5}{18}$

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) $\frac{2}{3}$

Question 16.
Numerator of a fraction $\frac{8}{11}$ is:
(a) 8
(b) 11
(c) 8 × 11
(d) 8 ÷ 11

Answer: (a) 8

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) $\frac{4}{5}$

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

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) $\frac{3}{7}$

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

Question 21.
Fraction of 50 paisa and 1 Re. is:
(a) $\frac{1}{3}$
(b) $\frac{1}{2}$
(c) $\frac{1}{4}$
(d) none of these

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

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) $\frac{9}{25}$

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) $\frac{1}{3}$

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) $4\frac{1}{5}$

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

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) $15\frac{5}{8}$

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) $\frac{2}{9}$

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

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

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) $\frac{13}{4}$

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) $\frac{18}{22}$, $\frac{14}{17}$, $\frac{10}{12}$, $\frac{6}{7}$

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) $\frac{156}{300}$

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) $\frac{18}{42}$

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) $\frac{23}{20}$

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) $\frac{4}{17}$

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) $\frac{5}{18}$

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) $4\frac{8}{3}$

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) $\frac{3}{13}$

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) $\frac{29}{23}$

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) $\frac{1}{5}$

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) $\frac{22}{5}$

Question 42.
One hour ÷ 60 mins is equal to:
(a) 1
(b) 2
(c) 3
(d) none of these

Answer: (a) 1

Fill in the blanks:

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

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

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2. $\frac{2}{3}$ – ……. = $\frac{1}{3}$

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

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

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8. $\frac{5}{7}$ – …… = $\frac{3}{7}$

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: $\frac{3}{13}$

Match the following:

1

(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) $\frac{2}{3}$