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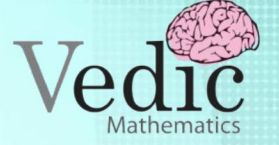
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1) $\bar{2}.75 + \bar{3}.78$

- a) **4.53**
- b) $\bar{2}.53$
- c) $\bar{3}.53$
- d) $\bar{7}.53$

c) **$28\frac{182}{999}$**

d) $68\frac{182}{999}$

2) $\bar{3}.58 + \bar{4}.68$

- a) **6.26**
- b) $\bar{7}.37$
- c) $\bar{8}.65$
- d) $\bar{3}.8$

6) $13.12\bar{6} + 14.14\bar{6}$

a) $28\frac{182}{899}$

b) $28\frac{142}{339}$

c) $37\frac{992}{999}$

d) **$28\frac{246}{900}$**

3) $24.\bar{17} + 25.\bar{17}$

- a) $49\frac{1}{9}$
- b) **$49\frac{1}{3}$**
- c) $49\frac{1}{6}$
- d) $49\frac{1}{4}$

7) $\bar{3}.\bar{12} + \bar{4}.\bar{16}$

a) $-8\frac{14}{33}$

b) $-5\frac{2}{39}$

c) **$-6\frac{71}{99}$**

d) $6\frac{99}{69}$

4) $16.\bar{28} - 18.\bar{29}$

- a) **$-3\frac{98}{99}$**
- b) $-6\frac{98}{99}$
- c) $-5\frac{98}{99}$
- d) $-2\frac{98}{99}$

8) $0.032 + 0.2$

a) **0.0232**

b) 0.2453

c) 0.287

d) 0.2543

5) $13.\bar{126} + 14.\bar{146}$

- a) $-28\frac{182}{999}$
- b) $27\frac{182}{999}$

9) $0.0329 - 0.17$

a) 0.1122

b) 0.119

c) **0.1371**

d) 0.2143





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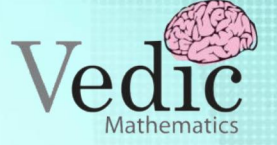
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10) 0.21×0.36

- a) 0.3376
- b) **0.0756**
- c) 0.4657
- d) 0.7765

15) $1.2 \times 0.12 \times 0.00012$

- a) 0.00002654
- b) **0.00001728**
- c) 0.00009999
- d) 0.00007687

11) $0.024 \div 0.4$

- a) 0.09
- b) 0.04
- c) **0.06**
- d) 0.05

16) 0.034×0.28

- a) **0.000952**
- b) 0.000999
- c) 0.0878
- d) 0.000111

12) $14.786 + 13.02$

- a) **27.806**
- b) 27.908
- c) 27.887
- d) 27.886

17) 0.00032×0.041

- a) 0.0001213
- b) 0.000011
- c) **0.00001312**
- d) 0.0000333

13) $12.791 + 0.12$

- a) 12.33
- b) 12.44
- c) **12.671**
- d) 12.22

18) $0.048 \div 0.06$

- a) 0.5
- b) 0.7
- c) **0.8**
- d) 0.3

14) 0.24×0.19

- a) 0.04666
- b) 0.4795
- c) 0.4887
- d) **0.0476**

19) $0.048 \div 0.6$

- a) 0.05
- b) 0.04
- c) **0.08**
- d) 0.03





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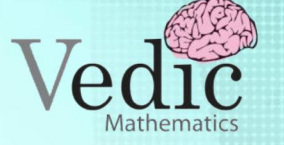
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20) $0.048 \div 0.006$

- a) 4
- b) **8**
- c) 5
- d) 6

25) $0.0048 \div 0.00008$

- a) 50
- b) **60**
- c) 70
- d) 30

21) $0.048 \div 0.00006$

- a) 400
- b) **800**
- c) 500
- d) 900

26) $0.0048 \div 0.000008$

- a) **600**
- b) 440
- c) 557
- d) 699

22) $0.0025 \div 0.05$

- a) 0.06
- b) 0.09
- c) 0.03
- d) **0.05**

27) $0.024 \div 0.06$

- a) 0.6
- b) 0.5
- c) **0.4**
- d) 0.9

23) $0.24 \div 0.3$

- a) 0.5
- b) **0.8**
- c) 0.54
- d) 0.35

28) $0.0036 \div 6$

- a) 0.0007
- b) **0.0006**
- c) 0.0008
- d) 0.0001

24) $0.00096 \div 0.024$

- a) **0.04**
- b) 0.004
- c) 0.0004
- d) 4.0

29) $0.00036 \div 6$

- a) 0.006
- b) 0.0006
- c) **0.00006**
- d) 0.6





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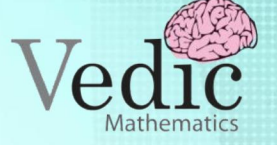
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30) $0.0049 \div 0.7$

- a) 0.7
- b) **0.007**
- c) 0.0007
- d) 7

- c) $\frac{2213}{9990}$
- d) $\frac{2212}{9990}$

31) $0.028 - 0.7$

- a) **0.04**
- b) 0.4
- c) 0.0004
- d) 0.000004

35) Express $0.12\bar{3}$ as vulgar fraction.

- a) $\frac{35}{300}$
- b) $\frac{37}{300}$ ✓
- c) $\frac{33}{300}$
- d) $\frac{300}{37}$

32) Express $0.1\bar{8}$ as vulgar fraction.

- a) $\frac{17}{90}$ ✓
- b) $\frac{17}{89}$
- c) $\frac{89}{17}$
- d) $\frac{90}{17}$

- a) $\frac{6}{9}$
- b) $\frac{2}{9}$
- c) $\frac{4}{9}$ ✓
- d) $\frac{3}{9}$

33) Express $0.2\bar{3}$ as vulgar fraction.

- a) $\frac{30}{7}$
- b) $\frac{6}{30}$
- c) $\frac{8}{30}$
- d) $\frac{7}{30}$ ✓

- a) $\frac{38}{99}$ ✓
- b) $\frac{34}{99}$
- c) $\frac{36}{99}$
- d) $\frac{44}{99}$

34) Express $0.43\bar{2}1\bar{3}$ as vulgar fraction.

- a) $\frac{2341}{9990}$
- b) $\frac{4317}{9990}$ ✓

38) Express $0.5\bar{3}2$ as a vulgar fraction.

- a) $\frac{543}{999}$
- b) $\frac{533}{999}$





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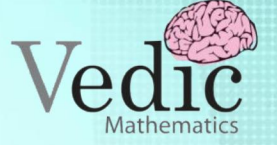
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c) $\frac{532}{999}$ ✓

d) $\frac{555}{999}$

b) $\frac{10}{3}$ ✓

c) $\frac{3}{10}$

d) None of these

39) $0.\overline{5}$ is equal to

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

b) $\frac{5}{9}$ ✓

c) $\frac{4}{9}$

d) $\frac{2}{9}$

43) The correct expression of $6.\overline{46}$ in the fractional form is:

a) $\frac{646}{99}$

b) $\frac{64640}{1000}$

c) $\frac{640}{100}$

d) $\frac{640}{99}$ ✓

40) $0.\overline{45}$ is equal to

a) $\frac{45}{99}$ ✓

b) $\frac{43}{99}$

c) $\frac{99}{43}$

d) $\frac{99}{45}$

44) $3.\overline{87} - 2.\overline{59} = ?$

a) 1.20

c) $1.\overline{27}$

b) $1.\overline{2}$

d) $1.\overline{28}$ ✓

Direction: Mark (✓) again against the answer.

41) Convert the following into a vulgar fraction: $2.\overline{13}$

a) $\frac{213}{99}$

b) $\frac{222}{99}$

c) $\frac{211}{99}$ ✓

d) $\frac{312}{99}$

1) Decimal of an hour is a second.

a) 0.0027

b) 0.00028

c) 0.0028

d) 0.00027

42) Which is a vulgar fraction $\frac{3}{10}$, $\frac{10}{3}$, $\frac{13}{10}$?

a) $\frac{13}{10}$

2) Which of the following is equivalent to $\frac{15}{25}$?

a) $\frac{150}{25}$

b) $\frac{15}{250}$

c) $\frac{3}{5}$

d) $\frac{60}{75}$





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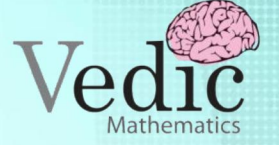
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3) Which of the following is the smallest fraction?

- a) $\frac{1}{10}$
- b) $\frac{1}{100}$
- c) $\frac{9}{1000}$
- d) $\frac{500}{10.000}$

4) Which fraction should be added to the sum of $5\frac{3}{4}$, $4\frac{4}{5}$, $7\frac{3}{8}$ to make the result a whole number?

- a) $\frac{1}{40}$
- b) $\frac{2}{40}$
- c) $\frac{3}{40}$
- d) $\frac{4}{40}$

5) A number one-sixth of which exceeds is one – ninth by 100 is

- a) 600
- b) 900
- c) 1500
- d) 1800

6) Express 20 decigrams as a decimal fraction of 4 kilogram.

- a) 0.005
- b) 0.0005
- c) 0.05
- d) 5

7) A student, instead of finding the value of $7/8^{\text{th}}$ of a number, found the value of $7/8^{\text{th}}$ of the number. If his answer

differed from the actual one by 770, find the number.

- a) 1584
- b) 2520
- c) 1728
- d) 1656

8) $847.56 + 34.84 - ? = 582.83$

- a) 299.57
- b) 298.47
- c) 1465.23
- d) 300.67

9) If $2805 \div 2.55 = 1100$, then $280.5 \div 25.5$ is equal

- a) 1.01
- b) 1.1
- c) 0.11
- d) 11

10) Which part contains the fractions in ascending order?

- a) $\frac{5}{6}, \frac{6}{8}, \frac{7}{9}, \frac{11}{13}$
- b) $\frac{6}{8}, \frac{7}{9}, \frac{5}{6}, \frac{11}{13}$
- c) $\frac{11}{13}, \frac{5}{6}, \frac{7}{9}, \frac{6}{8}$
- d) $\frac{11}{13}, \frac{7}{9}, \frac{6}{8}, \frac{5}{6}$

11) 0.000582 when expressed in scientific notation

- a) 582×10^4
- b) 5.82×10^{-4}
- c) 5.82×10^4
- d) 5.82×10^3





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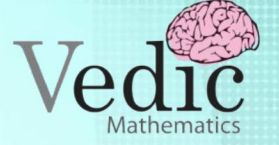
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12) 0.04×10^4 when expressed in decimal form?

- a) 4
- b) 40
- c) 400
- d) 4000

- c) -2
- d) -1

13) Which of the following fraction in the largest?

- a) $\frac{29}{30}$
- b) $\frac{29}{28}$
- c) $\frac{29}{27}$
- d) $\frac{29}{25}$

17) $(0.34\overline{67} + 0.13\overline{33})$ is equal to

- a) 0.48
- b) $0.48\overline{01}$
- c) $0.4\overline{8}$
- d) 0.48

18) $2 \times 0.2 \times 0.02 \times 0.002 \times 20 = ?$

- a) 0.000032
- b) 0.00032
- c) 0.00320
- d) 0.32

14) A vessel, full of water, weights 16.5 kg. when the vessel is $\frac{1}{4}$ full, it weights 5.25 kg. Find the weight of empty vessel?

- a) 1.5 kg
- b) 2.5 kg
- c) 2.75 kg
- d) 1.55 kg

19) In a decimal system $9\frac{1}{8}$ may be represented as

- a) 9.18
- b) 9.125
- c) 9.02
- d) 9.225

15) $0.\overline{39}$ is equivalent to the fraction

- a) $\frac{39}{100}$
- b) $\frac{39}{99}$
- c) $\frac{93}{100}$
- d) None of these

20) L.C.M of 0.24, 3.2 and 16.0 is

- a) 0.48
- b) 4.8
- c) 48
- d) 480

16) If $1.125 \times 10^k = 0.001125$, then the value of k is

- a) -4
- b) -3

21) By how much does $\frac{6}{7/8}$ exceed $\frac{6/7}{8}$?

- a) $6\frac{2}{3}$
- b) $6\frac{3}{4}$
- c) $7\frac{1}{2}$
- d) $8\frac{3}{4}$





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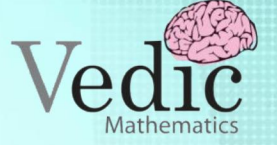
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22) $1.25 \times 1.25 + 2.75 + 2 \times 1.25 \times 2.75$ is equal to

- a) 4.000
- b) 16.000
- c) 6.1250
- d) 28.3250

23) How many times does $\frac{2}{3}$ of $\frac{1}{2}$ go into half of third?

- a) 2
- b) $\frac{1}{2}$
- c) $\frac{1}{3}$
- d) $\frac{2}{3}$

24) The eleventh part of $99 \times \frac{990}{990}$ is

- a) 99.0
- b) 99.99
- c) 90
- d) 90.9

25) The value of $0.\overline{57}$ is

- a) $\frac{57}{10}$
- b) $\frac{57}{99}$
- c) $\frac{45}{26}$
- d) $\frac{56}{9}$

26) $(25.025 \div 0.025)$ is equal to

- a) 10.01
- b) 100.1
- c) 1001
- d) 0.1001

27) An aircraft uses $\frac{2}{5}$ of its fuel in flying 1,250 kilometers. The distance travelled on remaining fuel is:

- a) 1875 km
- b) 2125 km
- c) 250 km
- d) 475 km

28) A number, the sum of whose fourth and fifth parts exceeds their third part by 28 is

- a) 120
- b) 240
- c) 220
- d) 160

29) 1 liter of water weights 1kg. How many cubic millimeters of water will weigh 0.1 gm?

- a) 0.1
- b) 1
- c) 10
- d) 100

30) The H.C.F of 1.08, .36 and .9 is

- a) 0.03
- b) 0.9
- c) 0.18
- d) 0.108

31) The value of $\frac{(2.75)^3 - (2.25)^3}{(2.75)^2 + 2.75 \times 2.25 + (2.25)^2}$ is a

- a) 0.30
- b) 0.50





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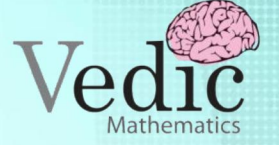
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c) 3

d) 5

32) if $\frac{1}{4.103} = 0.2437$, then the value of

$\frac{1}{0.0004103}$ is

a) 2437

b) 24370

c) 2.437

d) 243700

33) 2.53×0.154 is same as

a) 2.53×0.00154

b) 25.3×1.54

c) 253×0.00154

d) 253×0.154

34) If $2205 \div 15 = 147$ then $2.205 \div 0.15$ is

a) 1.47

b) 14.7

c) 147

d) 0.147

35) A pole has 0.5 of its length in mud, 0.25 of its length in water and 2 meters above water. The total length of pole is:

a) 8 meters

b) 5 meters

c) 4 meters

d) 2 meters

36) After covering five-eighth of my journey, I find that I have travelled 60 km. How much journey is left?

a) 40 km

b) 32 km

c) 36 km

d) 38 km

37) If $1.5x = 0.04y$, then the value of $\left(\frac{y-x}{y+x}\right)$ is

a) $\frac{730}{77}$

b) $\frac{73}{77}$

c) $\frac{7.3}{77}$

d) $\frac{73}{7.7}$

38) $\frac{(5.2)^4 - (3.2)^4}{(5.2)^4 + 3.2^4}$ is equal to

a) 0.168

b) 168

c) 1.68

d) 16.8

39) Let $M = 0.841\overline{81}$ when M is written as a fraction in lowest terms. The denominator exceeds the numerator by

a) 13

b) 14

c) 29

d) 87

40) Which of the following fraction is less than $\frac{7}{8}$ and greater than $\frac{1}{3}$?

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

b) $\frac{23}{24}$

c) $\frac{11}{12}$

d) $\frac{11}{12}$





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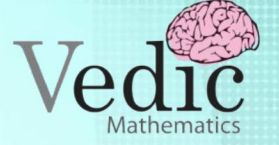
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d) $\frac{17}{24}$

41) In a certain office, $\frac{1}{3}$ workers are women, $\frac{1}{2}$ of the women are married and $\frac{1}{3}$ of the married women have children. If $\frac{3}{4}$ of the men are married and $\frac{2}{3}$ of the married men have children, what part of workers are without children?

- a) $\frac{5}{18}$
b) $\frac{4}{9}$
c) $\frac{11}{18}$
d) $\frac{17}{36}$

42) if $\frac{x}{y} = \frac{4}{5}$, the value of $(\frac{5}{8} + \frac{y-x}{y+x})$ is

- a) $\frac{49}{72}$
b) $\frac{53}{72}$
c) $\frac{23}{72}$
d) None of these

43) The expression

$(1 - \frac{1}{3})(1 - \frac{1}{4})(1 - \frac{1}{5}) \dots (1 - \frac{1}{m})$ when

- a) $1 - \frac{1}{m}$
b) $\frac{2}{m}$
c) $\frac{2}{m} (m - 1)$
d) $\frac{2}{m(m+1)}$

44) The sum of three fraction is $2\frac{11}{24}$. When the largest fraction is divided by the smallest, the fraction thus obtained is $\frac{7}{6}$, which is $\frac{1}{3}$ more than the middle one. The fraction is

- a) $\frac{3}{5}, \frac{4}{7}, \frac{2}{3}$
b) $\frac{7}{8}, \frac{5}{6}, \frac{3}{4}$
c) $\frac{7}{9}, \frac{2}{3}, \frac{3}{5}$
d) None of these

45) If $617 \div 24.68 + x = 90$, the value of x

- a) 27
b) 45
c) 65
d) 38

46) If $\sqrt{4096} = 64$, then the value of

$\sqrt{40.96} + \sqrt{0.4096} + \sqrt{0.004096} + \sqrt{0.00004096}$

- a) 7.09
b) 7.1014
c) 7.1104
d) 7.12

47) if $\sqrt{.04 \times .4 \times a} = 0.4 \times 0.04 \times \sqrt{b}$ then a/b is equal to

- a) 0.0016
b) 0.016
c) 0.16
d) None of these

48) The sum of $\bar{1}.75$ and $\bar{3}.78$ is

- a) $\bar{5}.53$
b) $\bar{4}.43$





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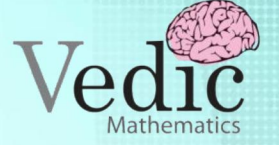
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c) $\bar{1}.53$

d) $\bar{1}.03$

49) if $\frac{1}{8}$ of a pencil is black, $\frac{1}{2}$ of the remaining is white and the remaining $3\frac{1}{2}$ cm is blue, then the total length of pencil is

- a) 8 cm
- b) 6 cm
- c) 7 cm
- d) 11 cm

50) If we multiply a fraction by itself and divide the product by its reciprocal, the fraction thus obtained is $18\frac{26}{27}$. The original fraction is

- a) $\frac{8}{27}$
- b) $2\frac{2}{3}$
- c) $1\frac{1}{3}$
- d) None of these

d) 4

2) If the product of two numbers is 5 and one of the numbers is $\frac{3}{2}$, then what will be the sum of the numbers?

- a) $4\frac{1}{2}$
- b) $6\frac{1}{2}$
- c) $4\frac{5}{6}$
- d) 9

3) What approximate value will come in place of the question mark (?) in the following equation?

$$2070.50 \div 15.004 + 39.001 \times (4.999)^2 =$$

- a) 1005
- b) 997
- c) 1049
- d) 1113

4) When 52416 is divided by 312, the quotient is 168. What will be the quotient when 52.416 is divided by 0.0168?

- a) 3.12
- b) 312
- c) 3120
- d) None of these

5) $832.58 - 242.31 = 779.84 = ?$

- a) 179.57
- b) 199.57
- c) 295.05
- d) None of these

Direction: Mark (✓) again against the answer.

1) A man left $\frac{1}{7}$ of his property to his daughter and the remaining to his sons to be equally divided among them. If the share of each son be double of that of the daughter, find the number of sons

- a) 2
- b) 3
- c) 6





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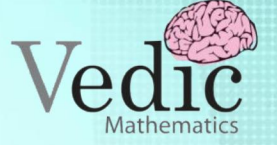
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6) if $\frac{1}{6.198} = 0.16134$, then the value of

$\frac{1}{0.0006198}$ is

- a) 0.016134
- b) 0.16134
- c) 1613.4
- d) 16134

- b) $\frac{3}{11}$
- c) $\frac{13}{5}$
- d) $\frac{5}{11}$

7) When 0.232323 ___ is converted into a fraction, then the result is

- a) $\frac{1}{5}$
- b) $\frac{2}{9}$
- c) $\frac{23}{99}$
- d) $\frac{23}{100}$

8) $\frac{0.009}{?} = 0.01$

9) If $\frac{547.527}{0.0082} = x$, then the value of

$\frac{547527}{82}$ is

- a) $\frac{x}{10}$
- b) $10x$
- c) $100x$
- d) None of these

10) The denominator of a fraction is 2 more than thrice its numerator. If the numerator as well as denominator is increased by one, the fraction becomes $\frac{1}{3}$. What was the original fraction?

- a) $\frac{4}{13}$

11) If the numerator of a fraction is increased by 2 and denominator is increased by 3, the fraction becomes $\frac{7}{9}$ and its numerator as well as denominator are decreased by 1, the fraction becomes $\frac{4}{5}$, What is the original fraction?

- a) $\frac{13}{16}$
- b) $\frac{11}{9}$
- c) $\frac{5}{6}$
- d) $\frac{17}{21}$

12) Which of the following fraction is greater than $\frac{3}{4}$ and less than $\frac{5}{6}$?

- a) $\frac{1}{2}$
- b) $\frac{2}{3}$
- c) $\frac{4}{5}$
- d) $\frac{9}{10}$

13) If a fraction's numerator is also increased by 1, and the denominator is also increased by 2 then the fraction becomes $\frac{2}{3}$, But when the numerator is increased by 5 and the denominator is also increased by 1, then the fraction becomes $\frac{5}{4}$. What is the value of the original fraction?

- a) $\frac{3}{7}$





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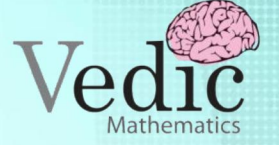
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- b) $\frac{5}{8}$
c) $\frac{5}{7}$
d) $\frac{6}{7}$

- d) 500

14) Two fifth of one fourth of three sevenths of a number is 15. What is half of that number?

- a) 175
b) 196
c) 94
d) 188

15) Sundari, Kusu and Jyoti took tests each, Sundari secured $\frac{24}{60}$ marks in the first test and $\frac{32}{40}$ marks in the second test, Kusu secured $\frac{35}{70}$ marks in the first test and $\frac{54}{60}$ marks in the second test, jyoti secured $\frac{27}{90}$ marks in the first test and $\frac{45}{50}$ marks in the second test, who among them did register maximum progress?

- a) Only Sundari
b) Onlu Kusu
c) Only Jyoti
d) Both SUDari and kusu

16) What approximate value should come in place of the question mark (?) in the following equation?

$$85.147 + 34.912 \times 6.2 + ? = 802.293$$

- a) 400
b) 450
c) 550

17) What approximate value should come in place of the question mark (?) in the following equation

$$248.251 + 12.62 \times 20.52 = ?$$

- a) 400
b) 450
c) 600
d) 350
e) 375

18) A tailor has 37.5 meters of cloth, and he has made 8 pieces out of meter of cloth. How many pieces can he make out of this cloth?

- a) 320
b) 360
c) 400
d) None of these

19) $\frac{3}{4} (1 + \frac{1}{3}) (1 + \frac{2}{3}) (1 - \frac{2}{5}) (1 + \frac{6}{7}) (1 - \frac{12}{13}) = ?$

- a) $\frac{1}{5}$
b) $\frac{1}{6}$
c) $\frac{1}{7}$
d) None of these

20) Which of the following is the highest fraction?

- a) $\frac{5}{7}$
b) $\frac{3}{4}$
c) $\frac{2}{3}$





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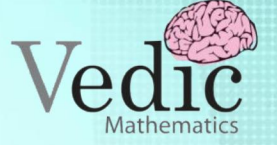
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d) $\frac{7}{8}$

a) 893.34

b) 1200.10

c) 997.11

d) 586.58

21) What will come in place of question mark in the question mark in the following equation?

54. (?) 3 + 543 + 5.43 = 603.26

a) 5

b) 6

c) 8

d) None of these

26) $\frac{2}{7} \times \frac{1}{8} + \frac{3}{7} \div \frac{6}{14} = ?$

a) $\frac{2}{56}$

b) $\frac{3}{56}$

c) $\frac{29}{28}$

d) 2.5

22) $399.9 + 206 \times 11.009 = ?$

a) 2800

b) 6666

c) 4666

d) 2668

27) $16.02 \times 0.1 = ?$

a) 1.602

b) 0.01602

c) 0.001602

d) 0.1602

23) what will come in place of question mark (?) in the following question?

$0.001 + 9.909 \times 10.1 + 0.1 = ?$

a) 99.0819

b) 100.1819

c) 100.091

d) 100.0919

28) $\frac{1}{5} + \frac{1}{7} + \frac{2}{3} = ?$

a) $1\frac{1}{105}$

b) $\frac{104}{105}$

c) $1\frac{1}{7}$

d) $1\frac{2}{105}$

24) $\frac{21}{8} \div \frac{7}{72} \times \frac{1}{171} = ?$

a) $\frac{9}{19}$

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

c) $\frac{5}{19}$

d) $\frac{3}{19}$

29) In a party, there are 120 members. Two-third of them are men and rest are women. All the members are married except 12 women members. How many married women are there in the club?

a) 28

b) 30

c) 32

25) $792.02 + 101.32 - 306.76 = ?$





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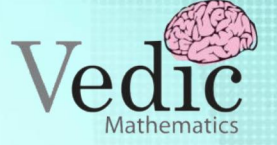
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d) 40

b) $1 \div 0.2$

c) $0.\bar{2}$

d) $(0.2)^2$

30) $3 - [1.6 - \{3.2 - (3.2 + 2.25 \div k)\}] = 0.65$

the value of k is

a) 0.3

b) 3

c) 7

d) 0.7

31) What approximate value should come in the place of question mark (?)

$$113.0 \div 98.98 \div 7.014 \times 15.99 = (?)^2$$

a) 131

b) 144

c) 11

d) 12

32) Which of the following pairs of fraction adds up to a number greater than 5?

a) $\frac{5}{3}, \frac{3}{4}$

b) $\frac{7}{3}, \frac{11}{5}$

c) $\frac{11}{4}, \frac{8}{3}$

d) $\frac{13}{5}, \frac{11}{6}$

33) How many digits will be there to the right of the decimal point in the product of 95.75 and 0.02554?

a) 5

b) 6

c) 7

d) None of these

34) The least among the following is

a) 0.2

35) The price of commodity X increases, by 40 paise every year, while the price of commodity Y increases by 15 paise every year. If in 2001, the price of commodity X was Rs 4.20 and that of Y was Rs 6.30, in which year commodity X will cost 40 paise more than the commodity Y?

a) 2010

b) 2011

c) 2012

d) 2013

36) $3 \times 0.3 \times 0.03 \times 0.003 \times 30 = ?$

a) 0.0000243

b) 0.000243

c) 0.00243

d) 0.0243

37)

$$\left[1 + \frac{1}{1 \times 2} + \frac{1}{1 \times 2 \times 4} + \frac{1}{1 \times 2 \times 4 \times 8} + \frac{1}{1 \times 2 \times 4 \times 8 \times 16} \right]$$

a) 1.6414

b) 1.6415

c) 1.6416

d) 1.6428

38) A sum of Rs. 1360 has been divided among A, B and C such that A gets $\frac{2}{3}$ of what B gets, and B gets $\frac{1}{4}$ of what C gets. B's share is

a) Rs. 120





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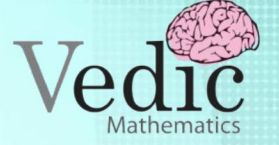
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- b) Rs. 160
- c) Rs. 240
- d) Rs 300

39) $(0.\overline{09}) \times 7.\overline{3}$ Is equal to

- a) $(0.\overline{6})$
- b) $(0.\overline{657})$
- c) $(0.\overline{67})$
- d) $0.65\overline{7}$

40) $40.83 \times 1.02 \times 12 = ?$

- a) 499.7597
- b) 416.4660
- c) 58.7952
- d) 424.79532

41) By how much is two-fifths of 200 greater than three – fifth of 125?

- a) 15
- b) 3
- c) 5
- d) 30

42) $0.0004 \div 0.0001 \times 36.000009 = ?$

- a) 0.10
- b) 1.45
- c) 145
- d) 14.5

43) $43.29 + 25.127 - 11.89 = ?$

- a) 55.25
- b) 56.527
- c) 68.417
- d) None of these

44) To fill a tank 25 buckets of water are required. How many buckets of water will be required to fill the same tank, if the capacity of the tank is reduced to $\frac{2}{5}$ th of its present?

- a) 35
- b) 26
- c) 10
- d) Can't be determined

45) By how much is $\frac{3}{5}$ th of 80 smaller than $\frac{4}{5}$ th of 65?

- a) 15
- b) 2
- c) 3
- d) 4

46) What one of the following has fraction in descending order?

- a) $\frac{8}{9}, \frac{9}{11}, \frac{4}{7}, \frac{3}{5}$
- b) $\frac{4}{7}, \frac{3}{5}, \frac{9}{11}, \frac{8}{9}$
- c) $\frac{3}{5}, \frac{4}{7}, \frac{9}{11}, \frac{8}{9}$
- d) $\frac{8}{9}, \frac{9}{11}, \frac{3}{5}, \frac{4}{7}$

47) $99.999 \div 0.99 \div 0.00991234 = ?$

- a) 100
- b) 10000
- c) 1000
- d) 100000





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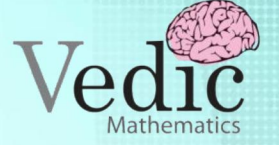
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48) $26.823 \times 27.923 \times 4.5001 = ?$

- a) 350
- b) 3450
- c) 3150
- d) 3400

49) $36.98276421 \times 21.00002 = ?$

- a) 775
- b) 785
- c) 800
- d) 750

50) Which of the following is equal to 3.14×10^6 ?

- a) 314
- 3140
- c) 3140000
- None of these

51) Consider the following question:

- I. 368, 39 divided by 11
- II. 170 50 divided by 62
- III 875, 65 divided by 83

Their correct sequence in decreasing order is

- a) I, III, II
- b) II, I, III
- c) II, III, I
- d) III, I, II

52) . if $\frac{144}{0.144} = \frac{14.4}{x}$, then the value of x is

- a) 0.0144
- 1.44
- 14.4
- 144

53) The value of $2.1 \overline{36}$ is

- a) $\frac{47}{220}$
- b) $\frac{68}{495}$
- c) $2\frac{3}{22}$
- d) None of these

54) The value of $\frac{3.157 \times 4126 \times 3.198}{63.972 \times 2835 .121}$ is closest to

- a) 0.002
- b) 0.02
- c) 0.2
- d) 2

55) An international dinner, $\frac{1}{5}$ of the people attending were French men. If the number of French women at the dinner was $\frac{2}{3}$ greater than the number of French men and there were no other French people at the dinner, then what fraction of the people at the dinner were not French?

- a) $\frac{1}{5}$
- b) $\frac{2}{3}$
- c) $\frac{2}{5}$
- d) $\frac{7}{15}$

56) Which approximate value will come in place of the question mark (?) in the following question?

$$7.05 \times 29.99 + ? = 300.59$$

- a) 110
- b) 95
- c) 90
- d) 98





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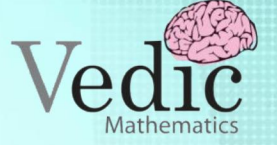
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57) Which of the following has the fraction in descending order?

- a) $\frac{7}{8}, \frac{5}{6}, \frac{9}{11}, \frac{11}{13}$
- b) $\frac{5}{6}, \frac{7}{8}, \frac{11}{13}, \frac{9}{11}$
- c) $\frac{5}{6}, \frac{7}{8}, \frac{9}{11}, \frac{11}{13}$
- d) $\frac{7}{8}, \frac{11}{13}, \frac{5}{6}, \frac{9}{11}$

58) $\frac{1}{10}$ of a pole is colored red, $\frac{1}{20}$ White, $\frac{1}{30}$ blue, $\frac{1}{40}$ black $\frac{1}{50}$ violet, $\frac{1}{60}$ yellow and the rest is green. If the length of the green portion of the pole is 12.08 meters, then the length of pole is

- a) 16 m
- b) 18 m
- c) 20 m
- d) 30 m

59) What approximate value can come in place of question mark (?) in the following equations?

$$198.995 \times 12.005 + 16.25 \times 6.95 = ?$$

- a) 2580
- b) 2550
- c) 2400
- d) 1450
- e) 2500

$$60) 1428.205 \div 12.005 + (?)^2 = 240$$

- a) 121
- b) 13
- c) 123
- d) 15
- e) 11

$$61) 179.99 \div 3.001 \times 2.005 = ?$$

- a) 45
- b) 120
- c) 30
- d) 150
- e) 90

$$62) 872.905 \div 9.013 \div 1.898 = ?$$

- a) 194
- b) 50
- c) 102
- d) 155
- e) 72

$$63) 0.493 \times 1.864 \times 3.554 = ?$$

- a) 3.5
- b) 6.5
- c) 4.8
- d) 5.2
- e) 6.9

$$64) \frac{?}{2.951} \div \frac{55.985}{13.010} = 2.167$$

- a) 35
- b) 4
- c) 16
- d) 26
- e) 18

$$65) 948.991 - 621.052 + ? = 723.486$$

- a) 305
- b) 416
- c) 396
- d) 348
- e) 443





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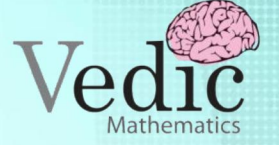
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66) Two – third of one-fourth of a number is forty percent of another number. Which of the following statements is true about these numbers?

- a) The second number is 2.4 times the first number.
- b) The First number is 2.4 times the Second number
- c) The first number is forty percent of the second number.
- d) The first is sixty percent less than the first number.
- e) None of these

67) Mohan distrusted his total assets to his wife, three sons, two daughters and five grandchildren in such a way that each grandchild got one – eighth of each son or one – tenth of each daughter. His wife got 40 percent of the total share of his sons and daughters together. If each daughter received asset of worth Rs 1.25 lakh. What was the total worth of the assets received by his wife and the three grandchildren together?

- a) Rs 32,500
- b) Rs. 2,57,500
- c) Rs. 2,82,500
- d) Can't be determined
- e) None of these

68) If the numerator of a fraction is increased by 140% and the denominator is increased by 150% the resultant fraction is $\frac{4}{15}$. What is the original fraction?

- a) $\frac{3}{5}$
- b) $\frac{15}{16}$
- c) $\frac{2}{7}$
- d) $\frac{3}{10}$

69) The difference between $\frac{3}{5}$ of $\frac{2}{3}$ of a number and $\frac{2}{5}$ of $\frac{1}{4}$ of the same number is 288. What is the number?

- a) 960
- b) 850
- c) 895
- d) 955
- e) None of these

70) What approximate value can come in place of question mark (?) in the following equation

$$15.002 \times X \times 25.0210 = 7113.918$$

- a) 19
- b) 26
- c) 11
- d) 31
- e) 35

$$71) 8.88 \times 88.8 \times 88 = /$$

- a) 68301.142
- b) 79391.642
- c) c) 65365.82
- d) 76218.414
- e) None of these

$$72) 63.9872 \times 9449.8780 \div 243.0034 = (?)^2$$

- a) 2489
- b) 2500





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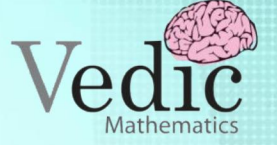
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- c) 50
- d) 45
- e) 150

77) $(15.28 \times 3.56) \div 3.15 = ?$

- a) 12
- b) 9
- c) 21
- d) 17
- e) 24

73) $5237.897 - 6629.010 + 7153.999 - 2205.102 = ?$

- a) 6340
- b) 4688
- c) 5240
- d) 3558
- e) 6290

78) $3.75 + 2.832 - 1001 + 1.803 = ?$

- a) 8.385
- b) 4.009
- c) 7.384
- d) 5.01

74) $4985.0346 \div 215.987 - 3768.112 \div 206.868 = ?$

- a) 8
- b) 5
- c) 18
- d) 11
- e) 15

79) $(9615.36 + 1247.18) \div (2435.72 + 1937.92) = ?$

- a) 4
- b) 9
- c) 2
- d) 7
- e) 8

75) $459\% \text{ of } 849.947 + 266\% \text{ of } 6284.012 - 1486.002 = ?$

- a) 20330
- b) 12640
- c) 15000
- d) 22160
- e) 19130

80) $2.1 \overline{36} = ?$

- a) $\frac{47}{220}$
- b) $\frac{68}{495}$
- c) $2\frac{11}{27}$
- d) $2\frac{3}{22}$

76) $841.952 \times 1.999 \div 7.014 = ?$

- a) 241
- b) 304
- c) 214
- d) 186
- e) 31

