



MATHS

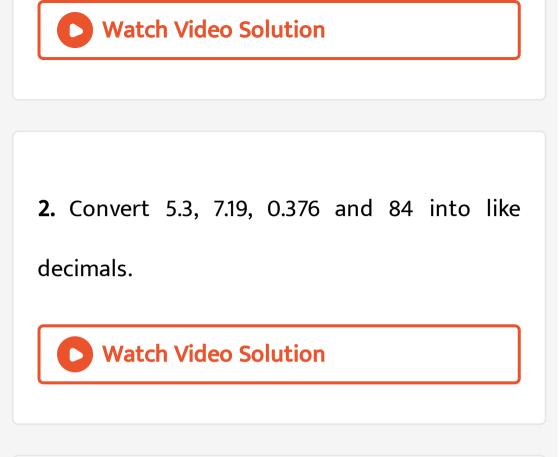
BOOKS - RS AGGARWAL MATHS (HINGLISH)

DECIMALS

and

Solved Example

1. Express the numbers $2\frac{1}{10}$, $6\frac{17}{100}$ $18\frac{29}{1000}$ as decimals.



3. Arrange the digits of 269.374 in the place-

value chart. Write the place value of each digit.

Also, write 269.374 in expanded form.

View Text Solution

4. Compare 63.84 and 57.98.



5. Compare 24.7 and 24.58.

A. 24.7 > 24.58

B.24.7 < 24.58

 $\mathsf{C.}\,24.7 \geq 24.58$

D. 24.7 ≤ 24.58



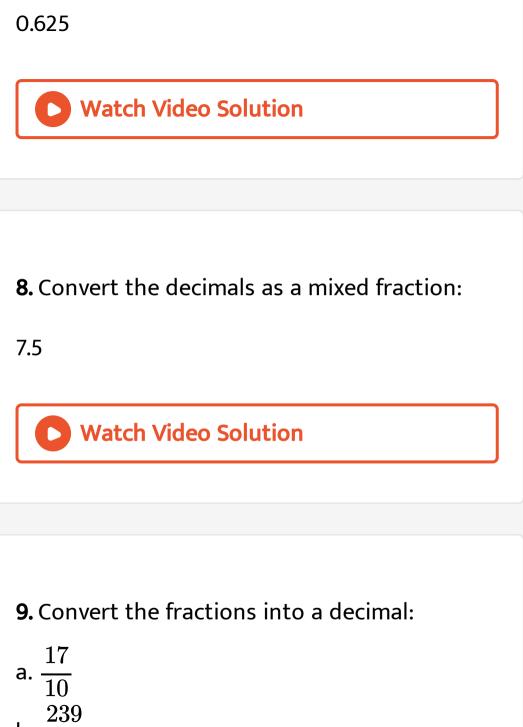


6. Write the following decimals in ascending order:

4.83, 6.07, 0.9, 0.465 and 7.4.

Watch Video Solution

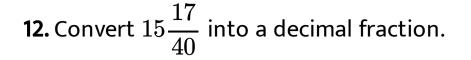
7. Convert the decimals into a fraction in its simplest form: a. 0.4 b. 0.25 c. 0.06 d. 0.75 e.



b. $\frac{-00}{100}$

c.
$$\frac{2103}{100}$$

d. $\frac{3001}{1000}$
Watch Video Solution
10. Convert $\frac{29}{4}$ into a decimal fraction.
Watch Video Solution
11. Convert $4\frac{7}{8}$ into a decimal fraction.
Watch Video Solution







A. 0.024

B. 2.4

C. 0.24

D. None of these

Answer: C



- 14. Express in kilograms, using decimals:
- a. 2 kg 348 g
- b. 5 kg 35 g
- c. 78 g
- d. 5 g

15. Express in kilometres, using decimals:

a. 5 km 245 m

b. 9 km 46 m

c. 435 m

d. 56 m

e. 4m

Watch Video Solution

16. Express in rupees, using decimals:

a. Rupees 26 and 75 paise

- b. Rupees 35 and 8 paise
- c. Rupees 6 and 9 paise
- d. 38 paise
- e. 9 paise
- f. 104 paise

Watch Video Solution

17. Add: 27.8, 46,175.09 and 685.7

A. 934.59

B. 9345.9

C. 934.590

D. 934.89

Answer: A



18. Add: 67.25, 249, 8.785, 9.8 and 0.23

A. 335.065

 $B.\,335.062$

C.338.062

$D.\,325.062$

Answer: A

Watch Video Solution

19. A man covers a journey by car in 3 hours. He covers a distance of 64 km 324 m during the first hour, 58 km 56 m during the second hour and 62 km 8 m during the third hour. What is the length of his journey?

A. 180.684 km

B. 185.684 km

C. 127.124 km

D. None of these

Answer: B

Watch Video Solution

20. Ramesh purchased a book, a pen and a notebook for ₹ 165.35, ₹ 72 and ₹ 14.85 respectively. How much money will he have to pay to the shopkeeper for these items?

A. ₹255.20

B.₹252.20

C. ₹252.200

D. None of these

Answer: B

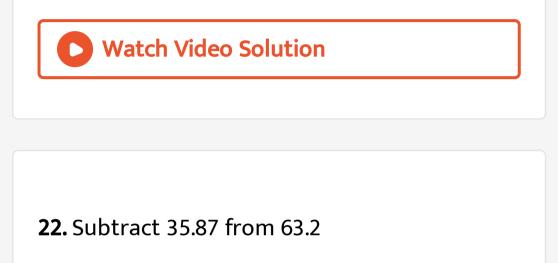
Watch Video Solution

21. The weight of an empty gas cylinder is 18 kg

75 g. The weight of the gas contained in it is 12

kg 350 g. What is the total weight of the

cylinder filled with gas?



Watch Video Solution

23. Subtract 28.65 from 73.

A. 34.35

 $B.\,45.35$

C.44.35

D. 22.35

Answer: C

Watch Video Solution

24. Simplify: 53.5 - 34.68 + 64.75 - 28.9

25. Ramesh purchased a book worth ₹ 146.75 from a bookseller and gave him a 500-rupee note. How much balance did he get back?

Watch Video Solution

26. The weight of a cylinder filled with gas is 30kg. If the weight of the empty cylinder is 14 kg80 g find the weight of the gas contained in it.

27. Monika went to the market with ₹ 3000 in cash. Out of this money she purchased one frock, one toy and one bag costing ₹ 578.75, ₹ 309 and ₹ 1862.85 respectively. How much money is left with her?

A.₹ 249.4

B.₹ 249

C.₹2750.6

D.₹289.4

Answer: A

28. The distance between Richa's house and her school hostel is 61 km. For reaching her house from the hostel. she covers 54 km 860 m by taxi, 5 km 65 m by tanga and the rest of the distance by rickshaw. How much distance did Richa cover by rickshaw?



29. The total weight of a bag containing 13 kg 750 g of potatoes and 8 kg 80 g of tomatoes is 22 kg 200 g. How much is the weight of the empty bag?

Watch Video Solution



1. Write in figures:

a. Fifty-eight point six three

- b. One hundred twenty-four point four two five
- c. Seven point seven six
- d. Nineteen point eight
- e. Four hundred four point zero four four
- f. Point one seven three
- g. Point zero one five



2. Write the place value of digit in the decimal

a. 14.83

b. 275.269

c. 46.075

d. 302.459

e. 5370.34

f. 186.209

Watch Video Solution

3. Write decimals in expanded form:

a. 67.83

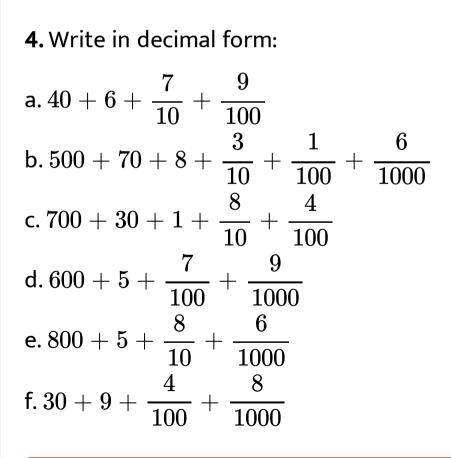
b. 283.61

c. 24.675

d. 0.294

e. 8.006

f. 4615.72







5. Convert into like decimals:

a. 7.5, 64.23, 0.074

b. 0.6, 5.937, 2.36, 4.2

c. 1.6, 0.07, 3.58, 2.9

d. 2.5, 0.63, 14.08, 1.637

Watch Video Solution

6. Fill in the place holders with the correct symbol > or < :

a. 84.23 🗌 76.35

b. 7.608 🗌 7.68

c. 8.34 🗌 8.43

d. 12.06 🗌 12.006

e. 3.85 🗌 3.805

f. 0.97 🗌 1.07

Watch Video Solution

7. Arrange the decimals in ascending order:

a. 5.8, 7.2, 5.69, 7.14, 5.06

b. 0.6, 6.6, 6.06, 66.6, 0.06

c. 6.54, 6.45, 6.4, 6.5, 6.05

d. 3.3, 3.303, 3.033, 0.33, 3.003



8. Arrange the decimals in descending order:

a. 7.3, 8.73, 73.03, 7.33, 8.073

b. 3.3, 3.03, 30.3, 30.03, 3.003

c. 2.7, 7.2, 2.27, 2.72, 2.02, 2.007

d. 8.088, 88.8, 88.08, 8.008



0.9

Watch Video Solution

2. Convert into a fraction in its simplest form:

0.6

0.08

A.
$$\frac{4}{25}$$

B. $\frac{2}{25}$
C. $\frac{8}{100}$
D. $\frac{8}{25}$

Answer: B

0.15



5. Convert into a fraction in its simplest form:

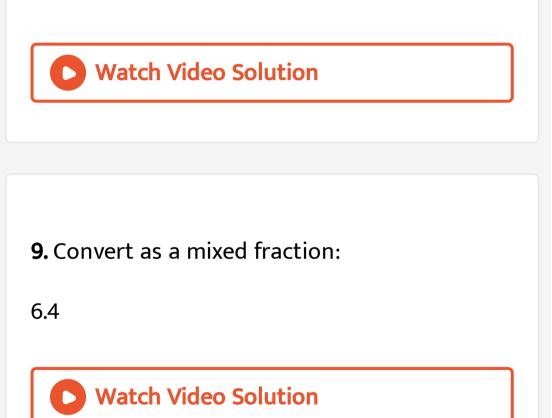


0.053



7. Convert into a fraction in its simplest form:





16.5



11. Convert as a mixed fraction:



4.275

Watch Video Solution

13. Convert as a mixed fraction:

25.06

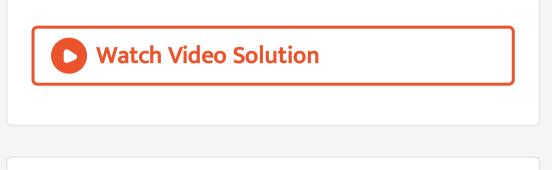
7.004

Watch Video Solution

15. Convert as a mixed fraction:

2.052

3.108



17. Convert into a decimal:

32

10



18. Convert into a decimal:

 $\frac{167}{100}$



19. Convert into a decimal:

1589

100



20. Convert into a decimal:

5413 1000

Watch Video Solution

21. Convert into a decimal:

21415

1000



22. Convert into a decimal: 25<u>-</u> Watch Video Solution **23.** Convert into a decimal: $3\frac{3}{5}$ Watch Video Solution

24. Convert into a decimal: $1\frac{4}{25}$ Watch Video Solution **25.** Convert into a decimal: $5\frac{17}{50}$ Watch Video Solution

26. Convert into a decimal: $12\frac{3}{8}$ Watch Video Solution 27. Convert into a decimal: $2\frac{19}{40}$ Watch Video Solution

28. Convert into a decimal:

 $\frac{19}{20}$



29. Convert into a decimal:

37

50



30. Convert into a decimal:

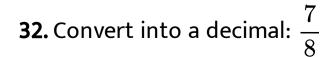
 $\frac{107}{250}$



31. Convert into a decimal:

 $\frac{3}{40}$







- **33.** Using decimals, express
- a. 8 kg 640 g in kllograms
- b. 9 kg 37 g in kilograms
- c. 6 kg 8 g in kilograms



34. Using decimals, express

a. 4 km 365 m in kilometres

- b. 5 km 87 m in kilometres
- c. 3 km 6 m in kilometres
- d. 270 m in kilometres
- e. 35 m in kilometres
- f. 6 m in kilometres

Watch Video Solution

35. Using decimals, express

- a. 15 kg 850 g in kilograms
- b. 8 kg 96 g in kilograms

- c. 540 g in kilograms
- d. 8g in kilograms



36. Using decimals, express

a. ₹18 and 25 paise in rupees

b.₹9 and 8 paise in rupees

- c. 32 paise in rupees
- d. 5 paise in rupees



1. Add the decimals:

9.6, 14.8, 37 and 5.9

Watch Video Solution

2. Add the decimals:

23.7, 106.94, 68.9 and 29.5

3. Add the decimals:

72.8. 7.68, 16.23 and 0.7



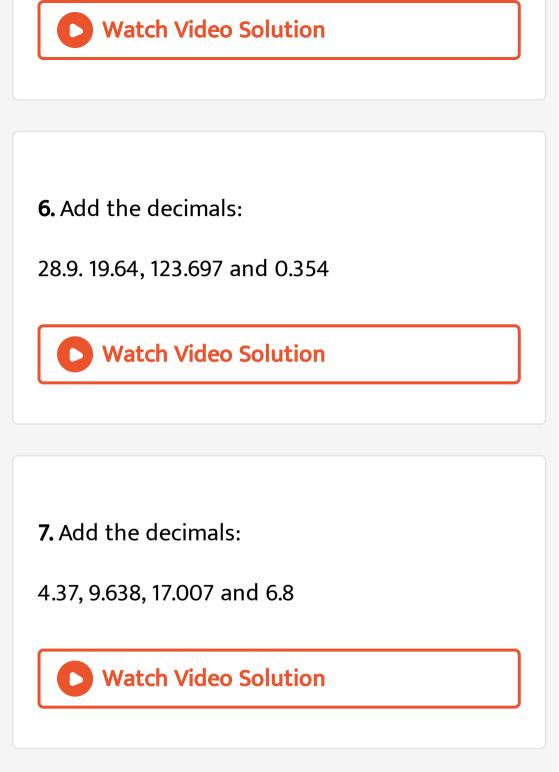
4. Add the decimals:

18.6. 84.75, 8.345 and 9.7

Watch Video Solution

5. Add the decimals:

8.236. 16.064. 63.8 and 27.53



8. Add the decimals:

14.5, 0.038, 118.573 and 6.84



9. During three days of a week, a rickshaw puller earns ₹32.60, ₹56.80 and ₹72 respectively. What is his total earning during these days?

10. A man purchases an almirah for ₹ 11025,
gives ₹ 172.50 as its cartage and spends ₹
64.80 on its repair. How much does the almirah cost him?



11. Ramesh covers 36 km 235 m by taxi, 4 km 85

m by rickshaw and 1 km 80 m on foot. What is

the total distance covered by him?



12. A bag contains 45 kg 80 g of sugar and the mass of the empty bag is 950 g. What is the mass of the bag containing this much of sugar?

Watch Video Solution

13. Ramu bought 2 m 70 cm cloth for his shirt and 2 m 60 cm cloth for his pyjamas. Find the total length of cloth bought by him.

14. Shikha bought 2m 5cm cloth for her salwar and 3m 35cm cloth for her shirt. Find the total length of cloth bought by her.



Watch Video Solution



1. Subtract:

27.86 from 53.74



64.98 from 103.87

Watch Video Solution

3. Subtract:

59.63 from 92.4

56.8 from 204

Watch Video Solution

5. Subtract:

127.38 from 216.2

39.875 from 70.68

Watch Video Solution

7. Subtract:

348.237 from 523.12



458.573 from 600

Watch Video Solution

9. Subtract:

149.456 from 206.321

0.612 from 3.4

Watch Video Solution

11. Simplify:

37.6 + 72.85 - 58.678 - 6.09

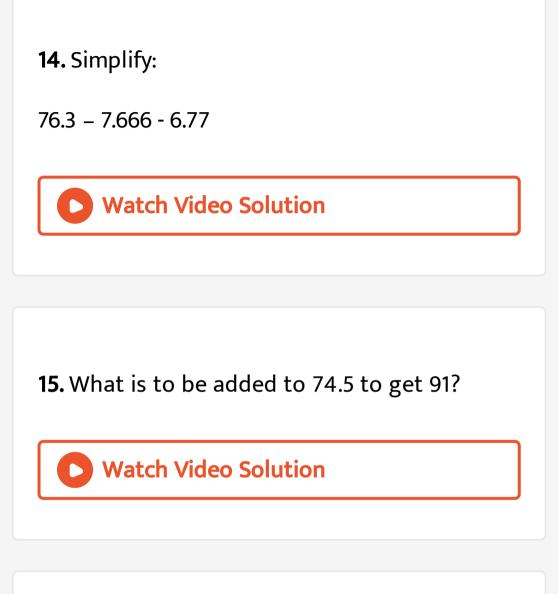
12. Simplify:

75.3 - 104.645 +178.96 - 47.9

Watch Video Solution

13. Simplify:

213.4 - 56.84 - 11.87 - 16.087



16. What is to be subtracted from 7.3 to get

0.862?



17. By how much should 23.754 be increased to

get 50?

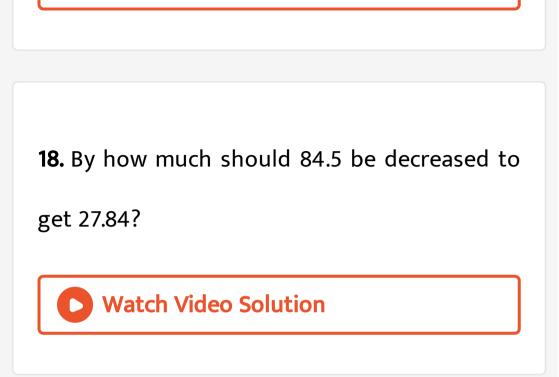
A. 26.2467

B. 26.246

C. 26.46

D. 73.754

Answer: B



19. If the school bags of Neelam and Garima

weight 6 kg 80 g and 5 kg 265 g respectively,

whose bag is heavier and by how much?



20. Kunal purchased a notebook for ₹ 19.75. a pencil for ₹ 3.85 and a pen for ₹ 8.35 from a book shop. He gave a 50-rupee note to the shopkeeper. What amount did he get back?

Watch Video Solution

21. Suman purchased 5kg75g of fruits and 3kg465g of vegetables, and put them in a bag. If this bag with these contents weighs 9kg, find the weight of the empty bag. A. 460 kg

- B. 400g
- $\mathsf{C.}\,460g$
- D. 409g

Answer: C



22. The distance between Reeta's house and her office is 14 km. She covers 10 km 65 m by scooter, 3 km 75 m by bus and the rest on foot.



walking?

Watch Video Solution



1. Mark against the correct answer

$$\frac{7}{10} = ?$$

A. 7.1

B. 1.7

D. 0.07

Answer: C



2. Mark against the correct answer

 $\frac{5}{100} = ?$

A. 5.1

B. 5.01

D. 0.05

Answer: D



3. Mark against the correct answer

`(9)/(1000)=?'

A. 0.0009

B. 0.009

C. 9.001

D. none of these

Answer: B



4. Mark against the correct answer

$$\frac{16}{1000} = ?$$

A. 0.016

B. 0.16

D. 1.006

Answer: a



5. Mark against the correct answer

`(134)/(1000)=?'

A. 13.4

B. 1.34

D. 0.0134

Answer: C



6. Mark against the correct answer

 $2\frac{17}{100}$

A. 2.17

B. 2.017

D. 21.7

Answer: A



7. Mark against the correct answer



A. 4.3

B. 4.03

C. 4.003

D. 43.1

Answer: B



8. Mark against the correct answer

6.25=?

A.
$$6\frac{1}{2}$$

B. $6\frac{1}{4}$

C. $62\frac{1}{2}$

D. none of these

Answer: B



9. Mark against the correct answer

 $\frac{6}{25}$

A. 2.4

B. 0.24

C. 0.024

D. none of these

Answer: c



10. Mark against the correct answer

$$4\frac{7}{8} = ?$$

A. 4.78

B. 4.87

C. 4.875

D. none of these

Answer: C



11. Mark against the correct answer

$$24.8 = ?$$

A.
$$24\frac{4}{5}$$

B. $24\frac{2}{5}$

C. $24\frac{1}{5}$

D. none of these

Answer: A



12. Mark against the correct answer

$$2\frac{1}{25} = ?$$

A. 2.4

B. 2.04

C. 2.004

D. none of these

Answer: B



13. Mark against the correct answer

$$2+rac{3}{10}+rac{4}{100}=?$$

B. 2.403

C. 2.34

D. none of these

Answer: C



14. Mark against the correct answer

'2+(6)/(100)=?`

A. 2.006

B. 2.06

C. 2.6

D. none of these

Answer: B



15. Mark against the correct answer

$$\frac{4}{100} + \frac{7}{10000} = ?$$

A. 0.47

B. 0.407

C. 0.0407

D. none of these

Answer: C



16. Mark against the correct answer

The correct expanded form of 2.06 is

$$egin{aligned} \mathsf{A.} \left(2 imes 10
ight) + \left(6 imes rac{1}{10}
ight) \ & \mathsf{B.} \left(2 imes 1
ight) + \left(6 imes rac{1}{10}
ight) \end{aligned}$$

 $\mathsf{C.}\left(2 imes 1
ight)+\left(6 imes rac{1}{1000}
ight)$

D. none of these

Answer: D



17. Mark against the correct answer

Among 2.6, 2.006, 2.66 and 2.08, the largest number is

A. 2.006

B. 2.08

C. 2.6

D. 2.66

Answer: D

Watch Video Solution

18. Mark against the correct answer

Which of the following is the correct order?

A. 2.2 < 2.02 < 2.002 < 2.222

 ${\rm B.}\,2.002<2.02<2.2>2.222$

 $\mathsf{C.}\, 2.02 < 2.22 > 2.002 < 2.222$

D. none of these

Answer: B

Watch Video Solution

19. Mark against the correct answer

Which is larger: 2.1 or 2.055?

A. 2.1

B. 2.055

C. cannot be compared

D. Both are equal

Answer: A

Watch Video Solution

20. Mark against the correct answer

1cm = ?

A. 0.1 m

B. 0.01 m

C. 0.001 m

D. none of these

Answer: c

Watch Video Solution

21. Mark against the correct answer

2m5cm = ?

B. 2.05 m

C. 2.005 m

D. 0.25 m

Answer: B

Watch Video Solution

22. Mark against the correct answer

2kg8g = ?

A. 2.8 kg

B. 2.08 kg

C. 2.008 kg

D. none of these

Answer: B

Watch Video Solution

23. Mark against the correct answer

2kg56g = ?

A. 2.56 kg

B. 2.056 kg

C. 2.560 kg

D. none of these

Answer: B

Watch Video Solution

24. Mark against the correct answer

2km35m = ?

A. 2.0350 km

B. 2.350 m

C. 2.035 km

D. none of these

Answer: C

Watch Video Solution

25. Mark against the correct answer

0.4 + 0.004 + 4.4 = ?

A. 4.444

B. 5.2

C. 4.804

D. 5.404

Answer: C

Watch Video Solution

26. Mark against the correct answer

3.5 + 4.05 - 6.005 = ?

A. 1.445

B. 1.095

C. 1.6

D. none of these

Answer: A

Watch Video Solution

27. Mark against the correct answer

6.3 - 2.8 = ?

A. 0.35

B. 3.5

C. 3.035

D. none of these

Answer: B

Watch Video Solution

28. Mark against the correct answer

5.01 - 3.6 = ?

A. 4.65

B. 1.95

C. 1.41

D. none of these

Answer: C

Watch Video Solution

29. Mark against the correct answer

2 - 0.7 = ?

A. 1.3

B. 1.5

C. 2.03

D. none of these

Answer: A

Watch Video Solution

30. Mark against the correct answer

1.1 - 0.3 = ?

A. 0.8

B. 0.08

C. 8

D. none of these

Answer: A

Watch Video Solution

Test Paper 7

1. Convert $4\frac{5}{8}$ into a decimal fraction.



- 2. Express 105 cm into metres using decimals.
 - Watch Video Solution

3. Express 6 km 5 m as km using decimals.

Watch Video Solution

4. Express 8 m as kilometre using decimals.



5. Add 26.4, 163.05, 8.75 and 5.6.

A. 181.09

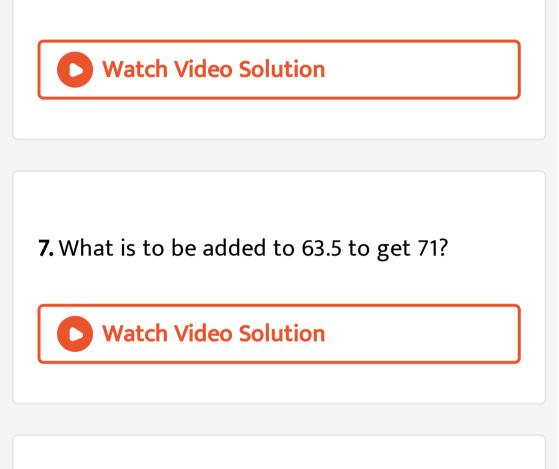
B. 203.08

C. 197.75

D. None of these

Answer: B

6. Subtract 0.528 from 3.2.



8. What is to be subtracted from 13 to get 5.4?

B. 7.06

C. 6.67

D. 6.06

Answer: A

Watch Video Solution

9. Arrange the following decimals in

descending order:

6.5, 6.05, 6.54, 6.4 and 6.45

10. Convert into a fraction in simplest form:

- a. 0.4
- b. 0.35
- c. 0.08
- d. 0.075

Watch Video Solution

11. Mark against the correct answer

`(3)/(25)=?'

A. 1.2

B. 0.12

C. 0.012

D. none of these

Answer: B

Watch Video Solution

12. Find the value of :-

$$\frac{6}{1000} = ?$$

A. 6.001

B. 0.0006

C. 0.006

D. 0.06

Answer: C

Watch Video Solution

13. Mark against the correct answer

`2(3)/(100)'

A. 2.003

B. 2.03

C. 2.3

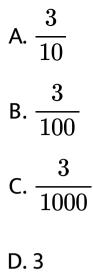
D. none of these

Answer: B

Watch Video Solution

14. Mark against the correct answer

the place value of 3 in 16.534 is





Watch Video Solution

15. Mark against the correct answer

 $4\frac{7}{8}$

A. 4.78

B. 4.87

C. 4.875

D. none of these

Answer: C

Watch Video Solution

16. Mark against the correct answer

5.91 - 3.6 = ?

A. 4.65

B. 1.95

C. 1.41

D. none of these

Answer: D

Watch Video Solution

17. Mark against the correct answer

3.5 + 4.05 - 6.005 = ?

A. 1.545

B. 1.95

C. 1.41

D. none of these

Answer: A

Watch Video Solution

18. Mark against the correct answer

'(4)/(100)+(7)/(10000)=?`

A. 0.47

B. 0.407

C. 0.0407

D. none of these

Answer: C

Watch Video Solution

19. Mark against the correct answer

Among 2.6, 2.006,-2.66 and 2.8 the largest

number is

A. 2.006

B. 2.8

C. 2.6

D. -2.66

Answer: B

Watch Video Solution

20. Fill in the blanks.

1m=km





21. Fill in the blanks.

10ml=l

Watch Video Solution

22. Fill in the blanks.

16kg 5g =.....kg

23. Fill in the blanks.

 $2m8cm = \dots m$

A. 20.8

B. 2.0008

C. 2.08

D. 2.008

Answer: C

24. Fill in the blanks.

3.02, 4.75, 1.63 are examples of Decimals.

O Watch Video Solution

25. write 'T' for true and 'F' for false for given

statements:

3.02 < 3.2



26. write 'T' for true and 'F' for false for given

statements:

3g = 0.003kg



27. write 'T' for true and 'F' for false for given

statements:

$$\frac{341}{1000} = 3.410$$

28. write 'T' for true and 'F' for false for given

statements:

6.2 and 6.200 are equivalent decimals.

Watch Video Solution

29. write 'T' for true and 'F' for false for given statements:

2.3, 3.41, 4.53, 5.61 are examples of like decimals.