



MATHS

BOOKS - SWAN PUBLICATION

DECIMALS

Exercise 6 1

1. Write each of the following in figures :

Seventy two point one four.



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2. Write each of the following in figures :

Two hundred fifty seven point zero eight



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3. Write each of the following in figures :

Eight point two five six.



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4. Write each of the following in figures :

Forty five and twenty three hundredths



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5. Write each of the following in figures :

Six hundred twenty one and two hundred fifty
three thousandths.



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6. Write each of the following in figures :

Twelve and eight thousandths.



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7. Write the following decimal numbers in words:

12.52



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8. Write the following decimal numbers in words:

7.148



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9. Write the following decimal numbers in words:

0.24



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10. Write the following decimal numbers in words:

5.018



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11. Write the following decimal numbers in words:

0.009



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12. Write the following decimals in the place value table :

21.569



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13. Write the following decimals in the place value table :

0.64



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14. Write the following decimals in the place value table :

3.51



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15. Write the following decimals in the place value table :

14.087



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16. Write the following decimals in the place value table :

3.002



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17. Write the following as decimals :

$$40 + \frac{2}{10}$$



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18. Write the following as decimals :

$$700 + 5 + \frac{3}{10} + \frac{4}{100}$$



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19. Write the following as decimals :

$$10 + \frac{5}{100} + \frac{3}{100}$$



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20. Write the following as decimals :

$$\frac{7}{10} + \frac{4}{1000}$$



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21. Write the following as decimals :

$$\frac{5}{1000}$$



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22. Write the decimals shown in the following place value table :

	Thousands	Hundreds	Tens	Ones	Tenth	Hundredths	Thousandths
(i)	—	5	2	4	1	2	—
(ii)	2	0	3	4	2	1	—
(iii)	—	—	6	1	0	2	3
(iv)	—	—	—	4	0	0	1
(v)	—	1	0	0	0	3	—



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23. Expand the following decimals.

2.5



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24. Expand the following decimals.

18.43



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25. Expand the following decimals.

4.05



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26. Expand the following decimals.

13.123



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27. Expand the following decimals.

245.456



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28. Expand the following decimals.

20.057



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Exercise 6 2

1. Convert the following decimal numbers into fractions and reduce it to lowest form.

1.4



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2. Convert the following decimal numbers into fractions and reduce it to lowest form.

2.25



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3. Convert the following decimal numbers into fractions and reduce it to lowest form.

18.6



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4. Convert the following decimal numbers into fractions and reduce it to lowest form.

4.04



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5. Convert the following decimal numbers into fractions and reduce it to lowest form.

21.6



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6. Convert the following fractions into decimal numbers :

$$\frac{7}{100}$$



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7. Convert the following fractions into decimal numbers :

$$\frac{12}{10}$$



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8. Convert the following fractions into decimal numbers :

$$\frac{215}{100}$$



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9. Convert the following fractions into decimal numbers :

$$\frac{18}{1000}$$



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10. Convert the following fractions into decimal numbers :

$$\frac{245}{10}$$



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11. Convert the following fractions into decimal numbers by equivalent fraction method :

$$\frac{5}{2}$$



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12. Convert the following fractions into decimal numbers by equivalent fraction method :

$$\frac{3}{4}$$



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13. Convert the following fractions into decimal numbers by equivalent fraction method :

$$\frac{28}{5}$$



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14. Convert the following fractions into decimal numbers by equivalent fraction method :

$$\frac{135}{20}$$



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15. Convert the following fractions into decimal numbers by equivalent fraction

method :

$$\frac{17}{4}$$



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16. Convert the following fractions into decimals by long division method :

$$\frac{17}{2}$$



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17. Convert the following fractions into decimals by long division method :

$$\frac{33}{4}$$



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18. Convert the following fractions into decimals by long division method :

$$\frac{76}{5}$$



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19. Convert the following fractions into decimals by long division method :

$$\frac{24}{25}$$



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20. Convert the following fractions into decimals by long division method :

$$\frac{5}{8}$$



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21. Represent the following decimals on number line :

0.7



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22. Represent the following decimals on number line :

1.6



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23. Represent the following decimals on number line :

3.7



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24. Represent the following decimals on number line :

6.3



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25. Represent the following decimals on number line :

5.4



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26. Write three decimal numbers between :

1.2 and 1.6



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27. Write three decimal numbers between :

2.8 and 3.2



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28. Write three decimal numbers between :

5 and 5.5



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29. Which number is greater :

0.4 or 0.7



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30. Which number is greater :

2.6 or 2.5



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31. Which number is greater :

1.23 or 1.32



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32. Which number is greater :

12.3 or 12.4



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33. Which number is greater :

18.35 or 18.3



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34. Which number is greater :

12 or 1.2



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35. Which number is greater :

5.96 or 5.061



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36. Which number is greater :

2.34 or 23.3



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37. Which number is greater :

13.08 or 13.078



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38. Which number is greater :

2.3 or 2.03



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39. Arrange the decimal numbers in ascending order :

2.5, 2, 1.8, 1.9



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40. Arrange the decimal numbers in ascending order :

3.4, 4.3, 3.1, 1.3



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41. Arrange the decimal numbers in ascending order :

1.24, 1.2, 1.42, 1.8



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42. Arrange the decimal numbers in ascending order :

2.5, 2, 1.8, 1.9



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43. Arrange the decimal numbers in descending order :

1.3, 1.03, 1.003, 13



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44. Arrange the decimal numbers in descending order :

8.02, 8.2, 8.1, 8.002



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Exercise 6 3

1. Express as rupee using decimals :

35 paise



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2. Express as rupee using decimals :

4 paise



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3. Express as rupee using decimals :

240 paise



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4. Express as rupee using decimals :

12 rupees 25 paise



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5. Express as rupee using decimals :

24 rupees 5 paise



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6. Express as metre using decimals :

5 cm



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7. Express as metre using decimals :

62 cm



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8. Express as metre using decimals :

135 cm



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9. Express as metre using decimals :

5 m 20 cm



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10. Express as metre using decimals :

12 m 8 cm



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11. Express as centimetre using decimals :

2 mm



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12. Express as centimetre using decimals :

28 mm



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13. Express as centimetre using decimals :

8 cm 4 mm



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14. Express as kilometre using decimals :

7 m



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15. Express as kilometre using decimals :

50 m



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16. Express as kilometre using decimals :

425 m



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17. Express as kilometre using decimals :

2475 m



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18. Express as kilometre using decimals :

225 m



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19. Express as kilogram using decimals :

5g



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20. Express as kilogram using decimals :

75g



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21. Express as kilogram using decimals :

423g



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22. Express as kilogram using decimals :

1265g



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23. Express as kilogram using decimals :

5 kg 418 g



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24. Express as litre using decimals :

2 ml



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25. Express as litre using decimals :

80 ml



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26. Express as litre using decimals :

725 ml



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27. Express as litre using decimals :

3l 423 ml



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28. Express as litre using decimals :

8l 20 ml



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Exercise 6 4

1. Solve the following :

$$12.15 + 4.87$$



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2. Solve the following :

$$23.5 + 13.47$$



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3. Solve the following :

$$12.56 + 6.234$$



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4. Solve the following :

$$24.25 - 13.12$$



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5. Solve the following :

$$18.8 - 4.26$$



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6. Solve the following :

$$42.34 - 5.256$$



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7. Solve the following :

$$45.4 + 13.25 + 28.68$$



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8. Solve the following :

$$52.9 + 26.893 + 13.62$$



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9. Solve the following :

$$42 - 27.563$$



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10. Solve the following :

$$64.26 - 43.589 + 13.42$$



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11. Solve the following :

$$18.3 + 2.56 - 11.643$$



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12. Solve the following :

$$66.5 - 13.49 - 29.712$$



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13. Subtract 21.92 from 32.683



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14. Subtract 14.812 from 23



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15. What should be added to 3.412 to get 7 ?



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16. Khan spent Rs. 63.25 for Maths book and Rs. 48.99 for English book. Find the total amount spent by Khan.



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17. Samar walked 3km 450m in morning and 2km 585m in evening. How much distance did he walk in all ?



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18. Sheetal has Rs. 190.50 in her pocket. She buys a school bag for Rs. 123.99. How much money is left with her now ?



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19. A piece of 18.56m long ribbon is cut into three pieces. If the length of two pieces are 8.75m and 3.125m respectively. Find the length of the third piece.



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20. Veerpal bought vegetables weighing 20kg. Out of this 6kg 750 g are onions, 5kg 25g are potatoes and rest are tomatoes. What is the weight of the tomatoes ?



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21. Ashish's school is 28km far from his house. He covers 14km 250m by bus, 12km 650m by car and the remaining distance by foot. How much distance does he cover on foot ?



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Multiple Choice Questions

$$1.3 + \frac{2}{10} = \dots\dots\dots$$

A. 302

B. 3.2

C. 3.02

D. 30.2

Answer: B



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2. $200 + 4 + \frac{5}{10} = \dots\dots\dots$

A. 24.5

B. 204.05

C. 204.5

D. 24.05

Answer: C



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3. $\frac{7}{100} = \dots\dots\dots$

A. 0.07

B. 700

C. 0.007

D. 7

Answer: A



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$$4.50 + \frac{3}{1000} = \dots\dots\dots$$

A. 50.3

B. 503000

C. 50.0003

D. 50.003

Answer: D



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5. Seventy and four thousandths =

A. 74000

B. 70.004

C. 0.00074

D. 0.074

Answer: B



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6. 2.03 in expanded form =

A. $2 + \frac{3}{10}$

B. $20 + \frac{3}{10}$

C. $2 + \frac{3}{100}$

D. $.20 + \frac{3}{100}$

Answer: C



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7. $2.5 = \dots\dots\dots$

A. $\frac{5}{2}$

B. $\frac{25}{2}$

C. $\frac{5}{10}$

D. $\frac{1}{4}$

Answer: A



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8. $\frac{13}{2} = \dots\dots\dots$

A. 6

B. 6.1

C. 1.3

D. 6.5

Answer: D



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9. Which of the following decimals is largest ?

A. 0.5

B. 0.05

C. 0.51

D. 0.005

Answer: C



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10. Which of the following decimals is smallest ?

A. 2.13

B. 0.213

C. 21.3

D. 213

Answer: B



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11. 75g = Kg

A. .075 kg

B. .75 kg

C. 7.5 kg

D. 75 kg

Answer: A



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12. 27 mm = cm

A. .27 cm

B. 27 cm

C. 2.7 cm

D. 0.27 cm

Answer: C



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13. $2.5 + 4.23 = \dots\dots\dots$

A. 4.48

B. 6.73

C. 4.73

D. 6.48

Answer: B



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14. $15 + 3.84 = \dots\dots\dots$

A. 3.99

B. 18.99

C. 3.84

D. 18.84

Answer: D



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15. $13.5 - 4.23 = \dots\dots\dots$

A. 2.87

B. 7.29

C. 9.27

D. 9.37

Answer: C



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16. $20 - 12.56 = \dots\dots\dots$

A. 7.44

B. 8.44

C. 9.44

D. 6.44

Answer: A



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17. $14.8 + 2.62 - 8.4 = \dots\dots\dots$

A. 8.02

B. 9.12

C. 9.02

D. 6.44

Answer: C



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18. 5l 7ml = l

A. 5.07 l

B. 5.7 l

C. 5.70 l

D. 5.007 l

Answer: D



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19. 12kg 85g = kg

A. 12.085 kg

B. 12.85 kg

C. 128.5 kg

D. 12.0085 kg

Answer: A



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20. 235 paise expressed in rupees will be :

A. Rs. 235

B. Rs. 23.5

C. Rs. 2.35

D. Rs. 0.235

Answer: C



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