MATHS

BOOKS - NAVNEET PUBLICATION - MAHARASHTRA BOARD

DECIMAL FRACTIONS

Question Bank

1. In a table below, write the place value of each of the digits in the number 378.025 :

2. Solve :

$$905.5 + 21.197$$

3. Solve :

$$39 + 700.65$$

4. Solve :

$40 + 27.7 + 2.451$

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5. Subtract :

$85.96 - 2.345$

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6. Subtract :

$632.24 - 97.45$

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7. Subtract :

$200.005 - 17.186$

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8. Avinash travelled 42 km 365 m by bus, 12 km 460 m by car and walked 640 m. How many kilometres did he travel altogether?

9. Ayesha bought 1.80 m of cloth for her salwar and 2.25 m for her kurta. If the cloth costs ₹ 120 per metre, how much must she pay the shopkeeper?

10. Sujata bought a watermelon weighing 4.25 kg and gave 1 kg 750 g to the children in her neighbourhood. How much of it does she have left?

11. Anita was driving at a speed of 85.6 km per hour. The road had a speed limit of 55 km per hour. By how much should she reduce her speed to be within the speed limit?

12. Write the proper number in the empty boxes :

$$\frac{3}{2} = \frac{3 \times \square}{2 \times \square} = \frac{\square}{10} = \square$$

13. Write the proper number in the empty boxes :

$$\frac{25}{8} = \frac{25 \times \square}{8 \times 125} = \frac{\square}{1000} = \square$$

14. Write the proper number in the empty boxes :

$$\frac{21}{2} = \frac{21 \times \square}{2 \times \square} = \frac{\square}{10} = 10.5$$

15. Write the proper number in the empty boxes :

$$\frac{22}{40} = \frac{11}{20} = \frac{11 \times \square}{20 \times \square} = \frac{\square}{100} = \square$$

16. Convert the given fractions into decimal fractions :

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

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17. Convert the given fractions into decimal fractions :

$$\frac{4}{5}$$

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18. Convert the given fractions into decimal

fractions :

$$\frac{9}{8}$$

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19. Convert the given fractions into decimal

fractions :

$$\frac{17}{20}$$

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20. Convert the given fractions into decimal fractions :

$$\frac{36}{40}$$

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21. Convert the given fractions into decimal fractions :

$$\frac{7}{25}$$

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22. Convert the given fractions into decimal fractions :

$$\frac{19}{200}$$

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23. Convert the decimal fractions into proper / improper fractions :

27.5

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24. Convert the decimal fractions into proper / improper fractions :

0.007

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25. Convert the decimal fractions into proper / improper fractions :

90.8

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26. Convert the decimal fractions into proper / improper fractions :

39.15

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27. Convert the decimal fractions into proper / improper fractions :

3.12

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28. Convert the decimal fractions into proper / improper fractions :

70.400

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29. If we know that $317 \times 45 = 14265$, then multiply 3.17 and 4.5?

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30. If $503 \times 217 = 109151,$ then $5.03 \times 2.17 = ?$

31. Multiply :

2.7×1.4

32. Multiply :

6.17×3.9

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33. Multiply :

0.57×2

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34. Multiply :

5.04×0.7

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35. Virendra bought 18 bags of rice, each bag weighing 5.250 kg. How much rice did he buy altogether? If the rice costs ? 42 per kg, how much did he pay for it?

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36. Vedika has 23.5 metres of cloth. She used it to make 5 curtains of equal size. If each curtain required 4 metres 25 cm of cloth to make, how much cloth still remains with her ?

37. Carry out the following divisions :

$4.8 \div 2$

38. Carry out the following divisions :

$17.5 \div 5$

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39. Carry out the following divisions :

$20.6 \div 2$

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40. Carry out the following divisions :

$32.5 \div 25$

41. A road is 4km 800m long.If trees are planted on both its sides at intervals of 9.6 how many trees were planted?

42. Pradnya exercises regularly by walking along a circular path of a field. If she walks a

distance of 3.825 km In 9 rounds of the path, how much does she walk In one round ?

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43. A pharmaceutical manufacturer bought 0.25 quintal of hirada, a medicinal plant, for ₹ 9500. What is the cost per quintal of hirada?

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44. 2.5 kg of potatoes equal to how many grams of potatoes?

45. 729 m equal to how many kilometres? (Answer in decimal)

46. Between which two natural numbers will the decimal number 2.85 lie?