



# MATHS

## BOOKS - V PUBLICATION

### DECIMAL POINTS

#### Question Bank

1. Anup made a triangle with three sticks of length 4 centimeters each. What is the

perimeter of this triangle?

How do you do it?



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2. To make a shirt for a boy in the class, 1.45 metres of cloth is needed, on average. How much cloth is needed to make shirts for the 34 boys in the class?



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3. The sides of a square are of length 6.4 centimetres. What is its perimeter?



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4. 3-rods of length 6.45 metres each are laid end to end. What is the total length?



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5. A bag can be filled with 4.575 kilogram of sugar. How much sugar can be filled in 8 such bags?



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6. The price of one kilogram of rice is 34.50 rupees. How much money do we need to buy 16 kilograms?



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7. 6 bottles are filled with the coconut oil in a can. Each bottle contains 0.478 litres. How much oil was in the can, in litres?



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8. The length and breadth of a rectangular room are 8.35 metres and 3.2 metres. What is the area of that room?



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9. How do we compute  $4.23 \times 0.247$



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10. how do we do  $2.45 \times 3.72$ ?



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11. Caiculate the products below:

i)  $46.2 \times 0.23$

ii)  $57.52 \times 31.2$

iii)  $0.01 \times 0.01$

iv)  $2.04 \times 24$

v)  $2.5 \times 3.72$

vi)  $0.2 \times 0.002$



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**12.** Given that  $3212 \times 23 = 73876$ , find the products below, without actually multiplying?

i)  $321.2 \times 23 = \dots\dots$  ii)  $0.3212 \times 23 = \dots\dots$

iii)  $32.12 \times 23 = \dots$

iv)  $32.12 \times 0.23 =$

v)  $3.212 \times 23 =$

vi)  $321.2 \times 0.23 =$



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**13.** Which of the product below is equal to

$1.47 \times 3.7$ ? i)  $14.7 \times 3.7$

ii)  $147 \times 0.37$

iii).  $1.47 \times 0.37$

iv)  $0.147 \times 37$

v)  $14.7 \times 0.37$

vi)  $0.0147 \times 370$  vii)  $1:47 \times 3.70$



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**14.** A rectangular plot is of the length 45.8 metres and breadth 39.5 metres. What is its area?



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**15.** The price of petrol is 68.50 rupees per litre. What is the price of 8.5 litres?



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**16.** Which is the largest product among those

below. i)  $0.01 \times .001$

f)  $0.101 \times 0.01$

lii)  $0.101 \times 0.001$

iv)  $0.10 \times 0.001$



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**17.** It is easy to calculate these products,

$384 \times 10 \ 230 \times 100$



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**18.** Now calculate these products:



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**19.** Have you- found out an easy way to multiply decimals by numbers 10,100 , 1000 and .....



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**20.** 4 girls divided a 12 metre long ribbon among them. What length did each get?



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**21.** A square is made with a 24.8 centimetre long rope. What is the length of its side?



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**22.** A line of length 13.2 centimetres is divided into 3 equal parts. What is the length of each part?



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**23.** 4 people shared 16.28 kilograms of rice. How much does each get?



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**24.** 25.5 kilograms of sugar is packed into 6 bags of the same size. How much is in each bag?



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**25.** The total amount of milk given to the children in a school for the 5 days of last week is 132.575 litres. How much was given on average each day?



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**26.** 8 people shared 33.6 kilograms of rice.

Sujitha divided her share into three equal parts and gave one part to Razia. How much did Razia get?



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**27.** A ribbon of length 0.8 metres is divided into 16 equal parts. What is the length of each part?



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**28.** Do the problems below:  $54.5 + 5$

$$14.24 + 8$$

$$56.87 + 11$$

$$3.1 + 2$$

$$35.523 + 3$$

$$36.48 + 12$$

$$16.56 + .9$$

$$32.454 + 4$$

$$425.75 + 25$$



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**29.** 5) Given  $105.728 \div 7 = 15.104$ , find the answer to the problems below, without actual division.

i)  $1057.28 \div 7$

ii)  $105.728 \div 7$

iii)  $1.05728 \div 7$



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**30.** A number multiplied by 9 gives 145.71.  
What is the number?



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**31.**  $16.34 \div 10 = 1.634$

$25.765 \div 100 = \dots\dots$

$347.5 \div 100 = \dots\dots$

$238.4 \div 1000 = \dots$  What have you found out about dividing number in decimal form by 10, 100, 1000 and so on?



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**32.** A rope of length 8.4 metres is cut into 0.4 metre long pieces. How many pieces can we make?



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**33.** The area of a rectangle is 3.25 square metres and its length is 2.5 metres. What is its breadth?



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**34.** A can contains 4.05 litres of coconut oil. It must be filled in to 0.45 litre bottles. How many bottles are needed?



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**35.** Calculate the quotients below:

i)  $\frac{35.37}{0.03}$

ii)  $\frac{10.92}{2.1}$

iii)  $\frac{40.48}{1.1}$

iv)  $\frac{0.045}{0.05}$

v)  $0.001 \div 0.1$

vi)  $5.356 \div 0.13$

vii)  $\frac{0.2 \times 0.4}{0.02}$

viii)  $\frac{0.01 \times 0.01}{0.001 \times 0.1}$



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**36.** 12125 divided by which numbers gives  
1.2125 ?



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**37.** 0.01 multiplied by which number gives 0.00001?



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**38.** 24 kilograms of sugar are packed into 25 packets of the same size. How much does each packet contain?



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**39.** Find the decimal forms of the fractions below:

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

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

iii)  $\frac{5}{16}$

iv)  $\frac{3}{40}$

v)  $\frac{3}{32}$

vi)  $\frac{61}{125}$



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**40.** Write the answer to the questions below in decimal form. 3 litres of milk is used to fill 8 identical bottles. How much does each bottle contain?



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**41.** A 17 metre long string is cut into 25 equal parts. What is the length of each part?



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**42.** 19 kilograms of rice is divided among 20 people. How much does each get?



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**43.** What is the decimal form of  $\frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \frac{1}{16}$  ?



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**44.** A two digit number divided by another two digit number gives 4.375. What are the numbers?



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**45.** What is the volume of a rectangular block of length 25.5 centimetres, breadth 20.4 centimetres and height 10.8 centimetres?



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**46.** The heights of three boys sitting on a bench are 130.5 centimetres 128.7 centimetres and 134.6 centimetres. What is the average height?



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**47.** Calculate  $\frac{4 \times 3.06}{3}$



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**48.** The price of 22 pencils is 79.20 rupees.

What is the price of 10 pencils?



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**49.** Calculate the following:

i) 
$$\frac{2.3 \times 3.2}{0.4}$$

ii) 
$$\frac{0.01 \times .001}{.1 \times 0.01}$$



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50. Dividing 0.1 by which number gives 0.001 ?



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51. Babu went to a shop to buy cardamom for making 'Payasam' at school. He needed 200 gms. But the item was almost out of stock at the shop. When he weighed what remained in the shop on an electronic balance, it showed 0.185 kilogram. By how much is it less than the required quantity?



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**52.** Riyas calculates the total length of uniform cloth required for the students of his class. Boys require 1.25 metres each and girls require 1.75 metres each. There are 20 boys and 23 girls in the class. Then how many metres of cloth are required in all?



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**53.** It was decided to place a row of bricks 10.25 metres long in Jose's courtyard (no cement is used). If the length of 1 brick is 20.5 centimetres, how many bricks in total are required?



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**54.** How much cloth is needed for the boys pants?

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**55.** How much cloth is needed for 6 girls' skirts?



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**56.** How much cloth is needed for 11 shirts?



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**57. Find the product**

1)  $7.45 \times 32$

2)  $6.3 \times 7.4$

3)  $16.4 \times 6.11$

4)  $7.382 \times 14$

5)  $72.346 \times 16.21$

6)  $126.35 \times 7.44$



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**58.**  $1348 \times 123 = 165004$ , Can you find the products below.

(a)  $1348 \times 12.3$

(b)  $1348 \times 1.23$

(c)  $134.8 \times 12.3$

(d)  $13.48 \times 1.23$

(e)  $134.8 \times 0.123$

(f)  $13.48 \times 1230$



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**59.** Match the problems with the answers.

(a)  $128 \times 47$

(b)  $1.28 \times 4.7$

(c)  $12.8 \times 0.47$

(d)  $0.128 \times 4.7$

(e) 6.016

(f) 6016

(g) 0.6016



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**60.** Anirudhan and Vipin are cricket players. One year Anirudhan made 1435 runs from 25 one day matches and Vipin made 1603 runs from 28 one day matches. Who has the better average?



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**61.** The total weight of 5 men in the tug of war team is 358 kilogram. What is their average weight?





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**62.** Find out the quotient

1)  $72.2 \div 8$

2)  $14.37 \div 12$

3)  $126.4 \div 8$

4)  $265.3 \div 15$



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**63.** If  $346 \times 192 = 66432$  then, find the answer given below.

a)  $3.46 \times 192 =$

b)  $34.6 \times 1.92 =$

c)  $346 \times 19.2 =$

d)  $3.46 \times .192 =$

e)  $346 \times .192 =$



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