

Money

Grade 4

$$\underline{1 \text{ Rupee}} = \underline{\underline{100 \text{ paise}}}$$

$$\Rightarrow 100 \text{ paise} = \underline{1 \text{ Rupee}}$$

$$1 \text{ paisa} = \frac{1}{100} \text{ Rupee}$$

$$\boxed{1 \text{ paisa} = 0.01 \text{ Rupee}}$$

$$1 \text{ paisa} = \text{₹ } 0.01$$

₹

USD \$

$$\text{\$ } 1 = 100 \text{ cents}$$

$$100 \text{ cents} = \text{\$ } 1$$

$$1 \text{ cent} = \text{\$ } \frac{1}{100}$$

$$\boxed{1 \text{ cent} = \text{\$ } 0.01}$$

$$3 \text{ paise} = ₹ 0.03 = ₹ \frac{3}{100}$$

$$30 \text{ paise} = ₹ 0.30 = ₹ \frac{30}{100}$$

$$99 \text{ paise} = ₹ 0.99 = ₹ \frac{99}{100}$$

"approximate"

$$\begin{aligned} 101 \text{ paise} &= ₹ 1 + ₹ 0.01 \\ &= 1 \text{ rupee and } 1 \text{ paise} \end{aligned}$$

Express money in words and figures.

In figures

In word

Long form

Short form

₹ Rupees thirty seven and paise fifty four

38 rupees 54 paise

₹ 38.54

Rupees seventy two and paise thirty

72 rupees 30 paise

₹ 72.30

Rupees eight and paise seven.

8 rupees 07 paise

₹ 8.07

Rupees thirteen

13 rupees

₹ 13.00

Paise seventy two

72 paise

₹ 0.72

Rupee one

1 rupee

₹ 1.00

Conversion of Rupees into Paise

$$₹ 1 = \underline{100} \text{ paise}$$

$$₹ 2 = 2 \times 100 \text{ paise} = 200 \text{ paise}$$

$$₹ 8 = 8 \times \underline{100} = 800 \text{ paise}$$

Rule: we multiply the amount in rupees by 100

Q. Convert ₹ 25 into paise.

$$₹ 25 = 25 \times 100 = 2500 \text{ paise}$$

$$\frac{1}{3} + \frac{1}{4} =$$

$$\text{LCM} = \underline{12}$$

$$\frac{1}{3} = \frac{\quad}{12}$$

$$= \frac{1 \times 4}{3 \times 4} + \frac{1 \times 3}{4 \times 3}$$

$$= \frac{4}{12} + \frac{3}{12}$$

$$= \frac{7}{12}$$

Convert Rupees and paise into paise

eg ① Convert 26 rupees and 85 paise into paise

$$\begin{aligned}\underline{26 \text{ rupees}} \text{ and } 85 \text{ paise} &= (\underline{26 \times 100}) \text{ paise} + 85 \text{ paise} \\ &= (2600 + 85) \text{ paise} \\ &= \underline{2685} \text{ paise.}\end{aligned}$$

Rule: We multiply the amount in rupees by 100 and add it to the number of paise.

Q. Convert 39 rupees and 73 paise into paise

Sol:

$$\begin{aligned} 39 \text{ rupees } 73 \text{ paise} &= (39 \times 100) \text{ paise} + 73 \text{ paise} \\ &= 3900 + 73 \\ &= \underline{\underline{3973}} \end{aligned}$$

Q. 43 rupees and 8 paise = 4308 paise.

Convert an amount expressed in figures into paise

eg. Convert ₹ 34.49 into paise.

$$₹ 34.49 = \underline{\underline{3449 \text{ paise}}}$$

Rule: Remove '₹' and the decimal. and Put 'paise' at the end.

$$₹ 0.89 = 89 \underline{\text{paise}}.$$

Convert Amount given in paise into Rupees and paise

eg. Convert/express the following amounts in to rupees.

$$(i) \quad 2634 \text{ paise} \Rightarrow \text{₹} \frac{2634}{100} = \underline{\underline{\text{₹} 26.34}}$$

$$(ii) \quad 3475 \text{ paise} \Rightarrow \text{₹} 34.75$$

$$(iii) \quad 423759 \text{ paise} \Rightarrow \underline{\text{₹} 4237.59}$$

$$(iv) \quad 10269 \text{ paise} \Rightarrow \text{₹} 102.69$$

Convert 1 paise into rupees.

$$1 \text{ p} = \text{₹ } 0.01$$

$$1208 \text{ p} = \text{₹ } \underline{12.08}$$

$$\underline{\text{Convert}} \quad ₹ 1.01 = \underline{101} \text{ p}$$

Addition and Subtraction of money

- ① We will write the amount in figures using decimal notation.
- ② Arrange them in column such that the decimal point fall in one column.
- ③ Add or subtract the amount just like normal numbers.
- ④ In the final answer, put a decimal point in the same decimal column.

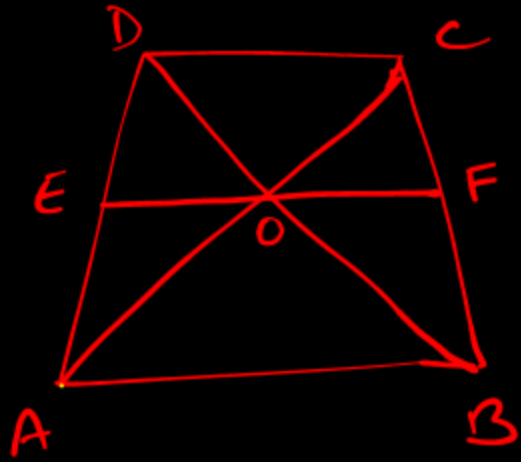
₹ Add ₹ 105.65 and ₹ 95.08

decimal column

$$\begin{array}{r} 105.65 \\ + 95.08 \\ \hline 200.73 \end{array}$$

Subtract ₹ 135.45 from ₹ 400.20

$$\begin{array}{r} \text{₹ } 400.20 \\ - \text{₹ } 135.45 \\ \hline \text{₹ } 264.75 \end{array}$$

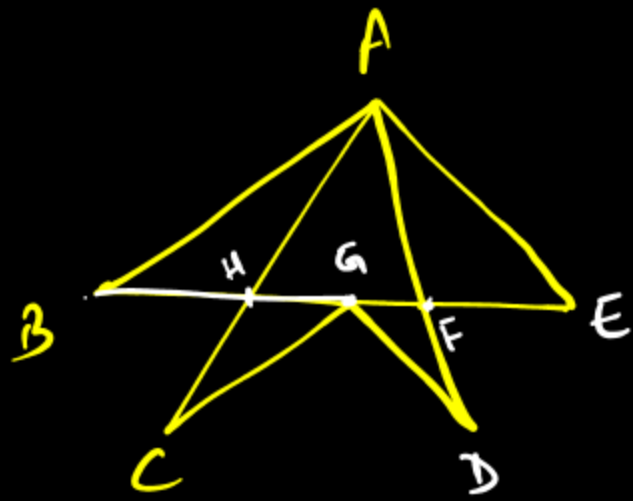


Find # line segment:

AB
BF
BC
FC
DC
DE
DA

no.
AC_{OC}
BO
BD_{OD}
EF
EO
OF

16



- | | |
|----|----|
| AB | AF |
| BH | AH |
| HC | BG |
| CG | BE |
| GH | GF |
| FD | GE |
| FE | HF |
| AE | |

Divide 20563 by 99 and check your answer.

Multiply 1284 by 607

The cost of a book is ₹ 697. How much will 369 such books cost?
 → 257193

$$\begin{array}{r}
 \begin{array}{r}
 \cancel{5} \\
 \cancel{8} \\
 2 \quad 6 \quad 2 \\
 6 \quad 9 \quad 7
 \end{array} \\
 \times 369 \\
 \hline
 \begin{array}{r}
 6273 \quad \leftarrow \times 1 \\
 41820 \quad \leftarrow \times 10 \\
 209100 \quad \leftarrow \times 100 \\
 \hline
 \end{array}
 \end{array}$$

Q. 98 bags can be loaded in a truck. How many trucks will be needed to load 3038 such bags?

Q. The product of two numbers is 9156. If one of the numbers is 84, find the other.

Q. The sum of three numbers is 10010. If two of them are 37675 and 28948. Find the third number.

60 lakh : _____ hundreds

6000000

Difference between highest 5 digit no. and highest 3 digit no.

$$\begin{array}{r} 678 \\ \times 890 \\ \hline \hline \end{array}$$

89402

x 608

Add ₹ $647.\underline{5}$, ₹ $108.\underline{25}$ and ₹ $36.\underline{85}$

$$\begin{array}{r} 647.50 \\ 108.25 \\ 36.85 \\ \hline 792.60 \\ \hline \end{array}$$

$$\begin{array}{r} 647.50 \\ 647.05 \\ \hline \end{array}$$

A

Add ₹ 3541.90 , ₹ 2053.08 , ₹ 162.06 and ₹ 0.01

5667.05

Q. A boy purchased fruits worth of ₹ 206.4 , vegetables of ₹ 168.75 , dryfruits of ₹ 453.85 and pulses of ₹ 319.50. How much money did he spend in all.

Total: ₹ 1148.50

Q. Kunal had ₹ 5000 with him. He spent ₹ 3085.75 in buying a table. How much money is left with him?

₹ 1914.25

Q. Meera buys a pencil for ₹ 6.40, an eraser for ₹ 8.65 and an ink pen for ₹ 57.75. Find the total amount she has to pay to the shopkeeper.

Multiplication of Money by a whole number

Ex 1: Multiply ₹ 165.34 by 8

Sol: (i) ₹ 16534 × 8

₹ 1322.72

$$\begin{array}{r} 16534 \\ \times \quad 8 \\ \hline ₹ 132272 \end{array}$$

Q. If the cost of a pen is ₹ 56.35, find the cost of 29 such pens.

Sol:

$$\text{cost of 1 pen} = ₹ 56.35$$

$$\text{cost of 29 pens} = ₹ 56.35 \times 29$$

$$= ₹ \underline{\underline{1634.15}}$$

$$\begin{array}{r} 5635 \\ \times 29 \\ \hline 1634.15 \\ \hline \end{array}$$

Multiply 359.75 by 3.4 ✓

$$\begin{array}{r} 1223.150 \quad \checkmark \\ \underline{1223.15} \quad \checkmark \end{array}$$

$$\begin{array}{r} \overset{1}{2} \overset{2}{2} \overset{1}{2} \\ \underline{\overset{2}{3} \overset{3}{3} \overset{2}{2}} \\ 35975 \\ \times \quad 34 \\ \hline 143900 \\ + 1079250 \\ \hline 1223.150 \end{array}$$

Q. Cost of a bike is ₹ 2795.80. Find the cost of 25 such bikes.

Sol:

$$\text{Cost of 1 bike} = ₹ 2795.80$$

$$\begin{aligned} \text{Cost of 25 bikes} &= ₹ 2795.80 \times 25 \\ &= ₹ 69895.00 \end{aligned}$$

$$₹ 69895.00$$

$$\begin{array}{r} 279580 \\ \times \quad 25 \\ \hline \end{array}$$

Division of Money by a whole number (6, 1, 2, 3, 4, ... ∞)

ex Divide ₹ 115.15 by 7.

Sol: we first divide 11515 by 7

$$11515 \div 7$$

$$= ₹ \underline{\underline{16.45}}$$

$$7 \overline{) 11515}$$

①

$$\text{₹ } \underline{134.00} \div 8$$

$$\underline{13400 \div 8}$$

$$= \text{₹ } 16.75$$

$$\begin{array}{r} \checkmark \\ 16.75 \\ 8 \overline{) 13400} \\ \underline{\hspace{1em}} \\ 0 \end{array}$$

$$\begin{array}{r} 7.5 \\ 2 \overline{) 15.0} \\ \underline{-14} \\ 10 \\ \underline{-10} \\ 00 \end{array}$$

Divide

315 by 2. completely.

$$\begin{array}{r} 157.5 \\ \hline 2 \overline{) 315.0} \\ \underline{-2} \\ 11 \\ \underline{-10} \\ 15 \\ \underline{-14} \\ 10 \\ \underline{-10} \\ 0 \end{array}$$

$$\begin{array}{r} 315 \\ 315.0 \\ 315.00 \end{array}$$

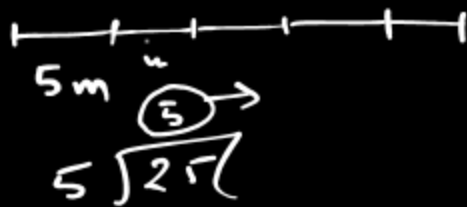
Quotient = 157.5

Divide 320.25 by 7.

$$\begin{array}{r} 45.75 \\ 7 \overline{) 320.25} \\ \underline{-28} \\ 40 \\ \underline{-35} \\ 52 \\ \underline{-49} \\ 35 \\ \underline{-35} \\ 0 \end{array}$$

Quotient: 45.75 ~~~~~

$$2 \overline{) 10} \overset{\textcircled{5}}{}$$



$$\boxed{3} \overline{) 30} \overset{\boxed{10}}{}$$

Find the length of wooden plank left after dividing 37 m wooden plank into equal pieces of 5 m length.

$$\begin{array}{r} 7.4 \\ 5 \overline{) 37.0} \\ \underline{- 35} \\ 20 \\ \underline{- 20} \\ 0 \end{array}$$

$$\begin{array}{r} 8.6 \\ 8 \overline{) 68.8} \\ \underline{-64} \\ 48 \\ \underline{-48} \\ 0 \end{array}$$

$$\begin{array}{r} 122.8 \\ 5 \overline{) 614.0} \\ \underline{-5} \\ 11 \\ \underline{-10} \\ 14 \\ \underline{-10} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$

$$\begin{array}{r} 37.38 \\ 8 \overline{) 299.04} \\ \underline{- 241} \\ 59 \\ \underline{- 56} \\ 30 \\ \underline{- 24} \\ 64 \\ \underline{- 64} \\ 0 \end{array}$$

$$\boxed{37.38}$$

$$\begin{array}{r} 23.24 \\ \times 8.20 \\ \hline \end{array}$$

190.568

$$190.5680$$

$$\begin{array}{r} 2324 \\ \times 82 \\ \hline \end{array}$$

$$\begin{array}{r} 173.6 \\ \times 2.32 \\ \hline \end{array}$$

$$\begin{array}{r} 1736 \\ \times 232 \\ \hline 402.752 \\ \hline \end{array}$$

~~$$409.712$$~~

Q. Parth earns ₹ 2279.20 per week. How much does he earn each day?

$$\boxed{\text{₹ } 325.60}$$

$$\begin{array}{r} 325.60 \\ 7 \overline{) 2279.20} \\ \underline{-21} \\ 17 \\ \underline{-14} \\ 39 \\ \underline{-35} \\ 42 \\ \underline{-42} \\ 00 \\ \underline{-0} \\ 0 \end{array}$$

Q. Misha wants to buy a pen costing ₹ 216.25. She has ₹ 179.50. How much more does she need?

$$\begin{array}{r} 216.25 \\ - 179.50 \\ \hline 36.75 \end{array}$$

End of the chapter