

STAR PLAY SCHOOL

Dear Parents,

Today's assignment

👉 Maths work (decimals - operations-examples + back exercise questions)

Home Assignment

👉 do the question that are marked with a tick in maths notebook(decimals- four operations)

👉 Do the worksheet in hindi notebook(काल)

👉 Read chapter 4 of computer

24/10/25

L-7

Decimal-fact operations

① Example: Divide 12.5 by 5.

$$\begin{array}{r} 2.5 \\ 5 \overline{) 12.5} \\ \underline{-10} \\ 02.5 \\ \underline{-2} \\ 00.5 \end{array}$$

$$0.50 \quad \text{so } 12.5 \div 5 = 2.5$$

② Example: Find $1.762 \div 2$ and check your answer.



Example: Divide the following

$$(a) 61323 \div 10 \approx 6132.3$$

$$(b) 12.756 \div 100 = 0.12756$$

$$(c) 6.93 \div 1,000 = 0.00693$$

Properties of Multiplication
and Division of Decimals

1. If a decimal number is multiplied by a whole number in either order



Thus our division is correct

Example: Divide 9.25 by 2.

$$\begin{array}{r} 4.625 \\ 2 \overline{) 9.250} \\ \underline{-8} \\ 1 2 \\ \underline{-1} \\ 0 5 \\ \underline{-4} \\ 1 0 \\ \underline{-1} 0 \\ 0 0 \end{array}$$

$$\therefore 9.25 \div 2 = 4.625$$

0	8	8	1
2	1	7	6
-0		↓	
1	7		
-1	6	↓	
	1	6	
	-1	6	↓
		0	2
		-2	
			0

SO $1.762 \div 2 = 0.881$

check

$$= 2 \times 0.881 + 0 = 1.762 = \text{Divisor}$$



The product remains the same.

Example: $7 \times 15.2 = 106.4 = 15.2 \times 7$

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2. product of a decimal number and one is the decimal number itself

Example: $4.35 \times 1 = 4.35$



3. product of a decimal number and zero is always zero

Example $5.4 \times 0 = 0$

4. A decimal number divided by one is the decimal number itself

Example $0.029 \div 1 = 0.029$



Example: Ashima gets £
89.25 as the daily
allowance for 7 days. Ho
w much money does
she get in one day?

money received in 7 days =

£ 89.25

money received in 1 day =

£ 89.25 ÷ = £ 12.75



much money does Abhirav
need to buy eggs?

If 1 dozen eggs = 12 eggs

then 2 dozen eggs = 12×2

= 24 eggs cost of 1 egg = ₹ 3.50

cost of 24 eggs = ₹ 3.50

24 = ₹ 84.00

Thus Abhirav needs ₹ 84.00

for 24 eggs.



5. A decimal number divided by zero is not defined

Example 5. $640 \div 0$ is not defined.

Example Akinola goes to the market to buy two dozen eggs. If the cost of one egg is £ 3.50 how

$$\begin{array}{r}
 12.75 \\
 7 \overline{) 89.25} \\
 \underline{7} \\
 19 \\
 \underline{14} \\
 52 \\
 \underline{49} \\
 35 \\
 \underline{35} \\
 00
 \end{array}$$

Thus money received by

Ashima in 1 day = ₹ 12.75



100

$$\begin{array}{r} 8 \cdot 3 \cdot 9 \\ 7 \overline{) 5873} \quad \text{L} \\ - 56 \\ \hline 27 \\ - 21 \\ \hline 63 \\ - 63 \\ \hline 0 \end{array}$$

16

$$\begin{array}{r} 1 \cdot 7 \cdot 4 \cdot 2 \\ 8 \overline{) 39336} \quad \text{L} \\ - 8 \\ \hline 59 \\ - 56 \\ \hline 33 \\ - 32 \\ \hline 16 \\ - 16 \\ \hline 0 \end{array}$$



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$$\begin{array}{r} 10 \overline{) 4.406} \\ \underline{-4} \\ 00 \\ \underline{-00} \\ 006 \\ \underline{-4} \\ 2 \\ \underline{-2} \\ 04 \\ \underline{-4} \\ 0 \end{array}$$

$$\begin{array}{r} 0 \\ 5 \overline{) 4.562} \\ \underline{-0} \\ 06 \\ \underline{-5} \\ 12 \\ \underline{-10} \\ 2 \end{array}$$



$$\begin{array}{r} 8 9 \\ 12 \overline{) 85.08} \\ \underline{- 84} \\ 1 8 \\ \underline{- 10} 8 \\ 0 \end{array}$$

check

Divisor $\times$ Quotient $\times$ Remainder

$$= 12 \times 8.9 + 0 = 85.08 =$$

Divide $\Rightarrow$ Thus our division

is correct

check

$$= 8 \times 1 + 0 = 7.2 = 0.1111$$

And thus our division is complete

o



$$\begin{array}{r}
 161 \\
 5 \overline{) 80.5} \\
 \underline{-5} \\
 30 \\
 \underline{-30} \\
 0
 \end{array}$$

check

Divisor $\times$ Quotient $\times$ Remainder

$$5 \times 16 + 0 = 80$$

80.5 = divided Thus

Our division is correct



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$$\begin{array}{r} 2 \quad 1 \quad 3 \quad . \quad 3 \quad 3 \\ (d) \ 2 \overline{) 4 \ 2 \ 6 \ . \ 7 \ 6} \\ \underline{-4} \\ 0 \ 2 \\ \underline{-2} \\ 0 \ 6 \\ \ 6 \\ \underline{ \ 6} \\ \ 0 \ . \ 7 \\ \ 7 \\ \underline{ \ 7} \\ \ 0 \ 6 \\ \ 6 \\ \underline{ \ 6} \\ \ 0 \end{array}$$

check

Divisor $\times$ Quotient $\times$ remainder

$$= 2 \times 2 \ 13. \ 3 \ 3 + 0 =$$

428, 76 = Dividend

our division is correct

$$\begin{array}{r}
 238 \\
 4 \overline{) 9232} \\
 \underline{-8} \\
 12 \\
 \underline{-12} \\
 032 \\
 \underline{-32} \\
 0
 \end{array}$$

check

Divisor $\times$ Quotient $\times$ Remainder

$$\text{check} = 4 \times 238 + 0 =$$

out division is correct

clock



Divisor $\times$ Quotient $\times$ Remainder

$$= 9 \times 0 + 365 + 0 = 365$$

285 = Divisor Thus only

division is correct

~~$$24 \overline{) 1025}$$~~

Apply

24/10/25

H.W.

1. Divide and verify your answer.

(a) $58.73 \div 7$

(b) $139.36 \div 8$

(c) $21.78 \div 3$

(d) $0.7476 \div 12$

(e) $406.44 \div 4$

(f) $4.565 \div 5$

2. Divide till you get the remainder zero.

(a) $7.2 \div 8$

(b) $85.08 \div 12$

(c) $80.5 \div 5$

(d) $426.76 \div 2$

(e) $9.232 \div 4$

(f) $3.285 \div 9$

3. Fill in the blanks.

(a) $90.62 \div 10 = \underline{\hspace{2cm}}$

(b) $1.57 \div 100 = \underline{\hspace{2cm}}$

(c) $417.81 \div 100 = \underline{\hspace{2cm}}$

(d) $39.062 \div 10 = \underline{\hspace{2cm}}$

(e) $246.75 \div 1,000 = \underline{\hspace{2cm}}$

(f) $3.998 \div 1,000 = \underline{\hspace{2cm}}$

4. Fill in the blanks.

(a) $8.5 \times 6 = \underline{\hspace{2cm}} \times 8.5$

(b) $0.9 \times 0 = \underline{\hspace{2cm}}$

(c) $26.35 \times \underline{\hspace{2cm}} = 26.35$

(d) $\underline{\hspace{2cm}} \times 17.6 = 17.6$

(e) $25.801 \times \underline{\hspace{2cm}} = 0$

(f) $0.58 \div 1 = \underline{\hspace{2cm}}$

(g) $\underline{\hspace{2cm}} \div 1 = 25.72$

(h) $\underline{\hspace{2cm}} \times 8 = 8 \times 25.63$

दिए गए वाक्यों के सही काल को चुनें-

1. सुषमा चाय बना रही है।

2. अभिषेक नाश्ता करेगा।

3. सब अपने-अपने घर चले गए थे।

4. नितिन कल जाएगा।

5. हवा चल रही थी।

6. रवि पढ़ता है।

7. हम लोग खेलेंगे।

8. अंकित ने गाना गाया।

9. रागिनी नाचती है।

10. सुधांशु गाड़ी चलता है।
