



Name : - _____

Std : - IV - _____

Roll No. : - _____

Worksheet No : CA-5

Date : - _____

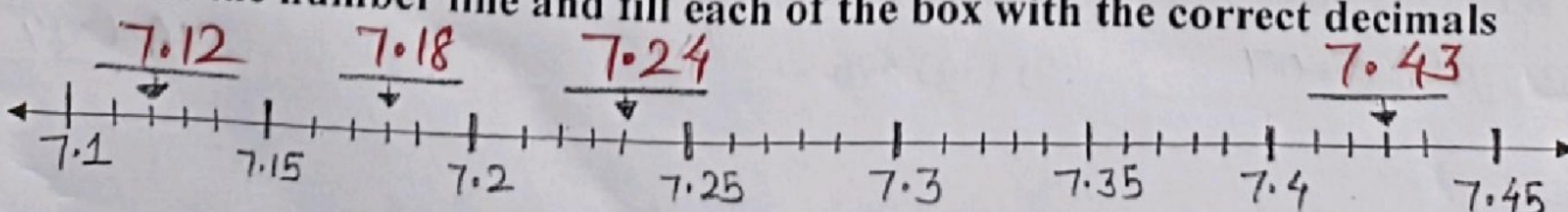
L-13 Symmetry and Decimals**Q.1) Choose the correct option.**

1. A figure is said to be symmetrical if:
 - a) It is colorful
 - b) It can be divided into two equal halves
 - c) It has more than 4 sides
2. The line that divides a shape into two equal parts is called:
 - a) Border line
 - b) Centre line
 - c) Line of symmetry
3. How many lines of symmetry does a square have?
 - a) 1
 - b) 2
 - c) 4
4. Which of these letters has a vertical line of symmetry?
 - a) B
 - b) D
 - c) A
5. Which shape has infinite lines of symmetry?
 - a) Triangle
 - b) Circle
 - c) Square
6. Which letter has both vertical and horizontal lines of symmetry?
 - a) H
 - b) C
 - c) L
7. What is the place value of 7 in 12.712 _____
 - a) $\frac{7}{10}$
 - b) $\frac{7}{1000}$
 - c) $\frac{7}{100}$
8. The decimal number for the expansion given below is _____.

$$5000 + 200 + 30 + 4 + 0.3 + 0.01 + 0.007$$
 - a) 5200.317
 - b) 5234.31
 - c) 5234.317
9. 0.23 read as _____
 - a) Zero point two three
 - b) Zero point twenty three
 - c) Zero point three two
10. Fill in the blank with the Correct Sign. 0.034 _____ 0.34
 - a) = .
 - b) >
 - c) <

Q.2) Fill in the blanks.

- 1) A decimal is another way of expressing a fraction with denominator 10, 100 or any multiple of 10.
- 2) The fold line is called the axis of symmetry.
- 3) The mirror line is another name for the line of symmetry.
- 4) The line of symmetry can be vertical, horizontal, or diagonal.
- 5) The number of digits after the decimal point is known as the number of decimal places.

Q.3) Observe the number line and fill each of the box with the correct decimals

Q.4) Solve the following.

1) $35.18 + 10.12$

$$\begin{array}{r} 35.18 \\ + 10.12 \\ \hline 45.30 \end{array}$$

2) $89.32 + 60.23$

$$\begin{array}{r} 89.32 \\ + 60.23 \\ \hline 149.55 \end{array}$$

3) $3.31 - 1.52$

$$\begin{array}{r} 3.31 \\ - 1.52 \\ \hline 1.79 \end{array}$$

4) $673.45 + 56.75$

$$\begin{array}{r} 673.45 \\ + 56.75 \\ \hline 730.20 \end{array}$$

5) 432.67×14

$$\begin{array}{r} 432.67 \\ \times 14 \\ \hline 173068 \\ + 43267 \\ \hline 6057.38 \end{array}$$

6) 96.3×6

$$\begin{array}{r} 96.3 \\ \times 6 \\ \hline 577.8 \end{array}$$

7) $35.76 \div 12$

$$\begin{array}{r} 2.98 \\ 12 \overline{)35.76} \\ - 24 \\ \hline 117 \\ - 108 \\ \hline 96 \\ - 96 \\ \hline 0 \end{array}$$

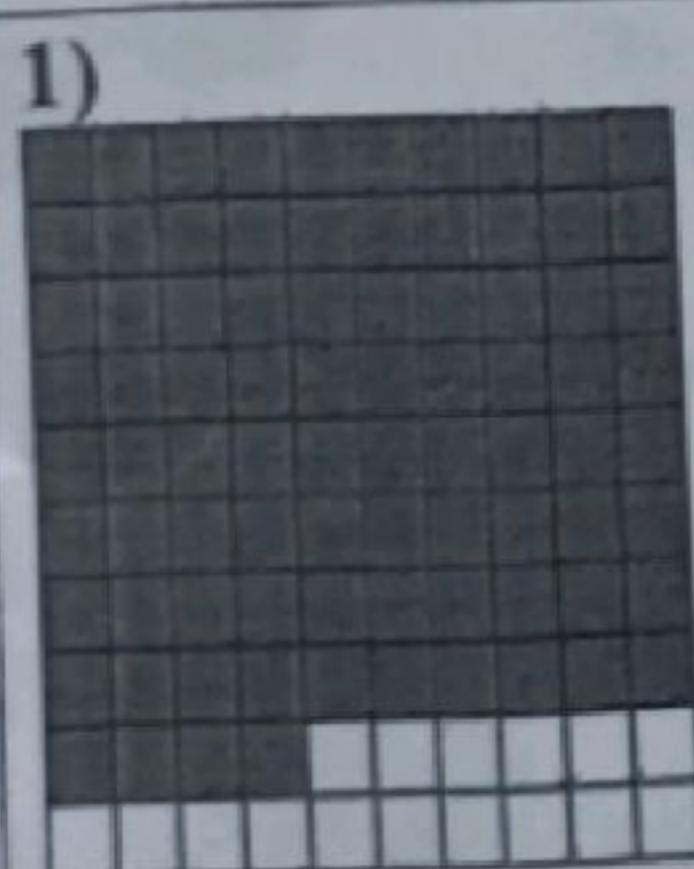
8) $786.12 \div 2$

$$\begin{array}{r} 393.06 \\ 2 \overline{)786.12} \\ - 6 \downarrow \\ \hline 18 \\ - 18 \downarrow \\ \hline 06 \\ - 6 \downarrow \\ \hline 012 \\ - 12 \downarrow \\ \hline 0 \end{array}$$

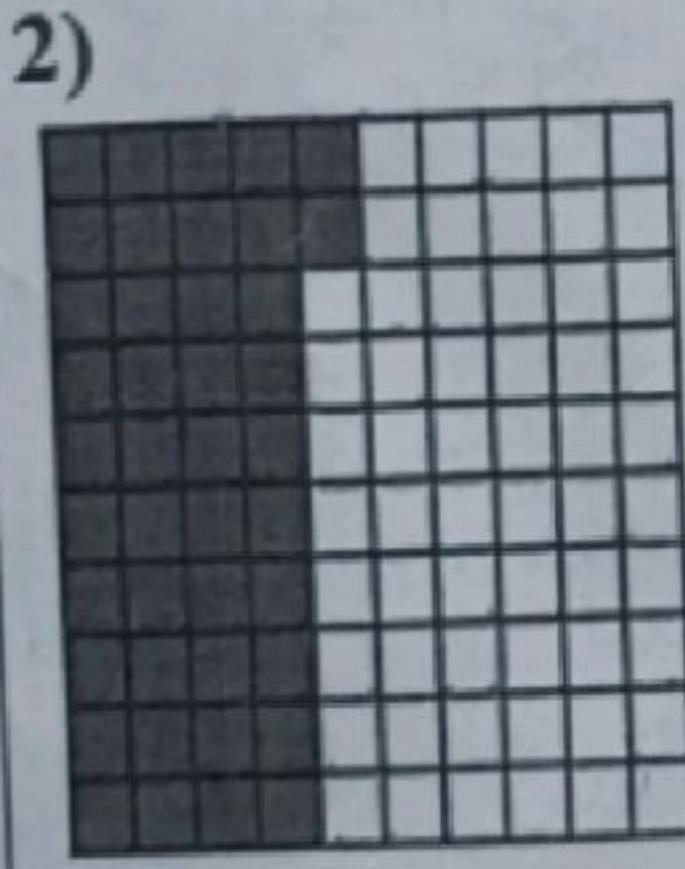
9) $2970.30 \div 6$

$$\begin{array}{r} 495.05 \\ 6 \overline{)2970.30} \\ - 24 \downarrow \\ \hline 57 \\ - 54 \downarrow \\ \hline 30 \\ - 30 \downarrow \\ \hline 00 \\ - 00 \\ \hline 00 \end{array}$$

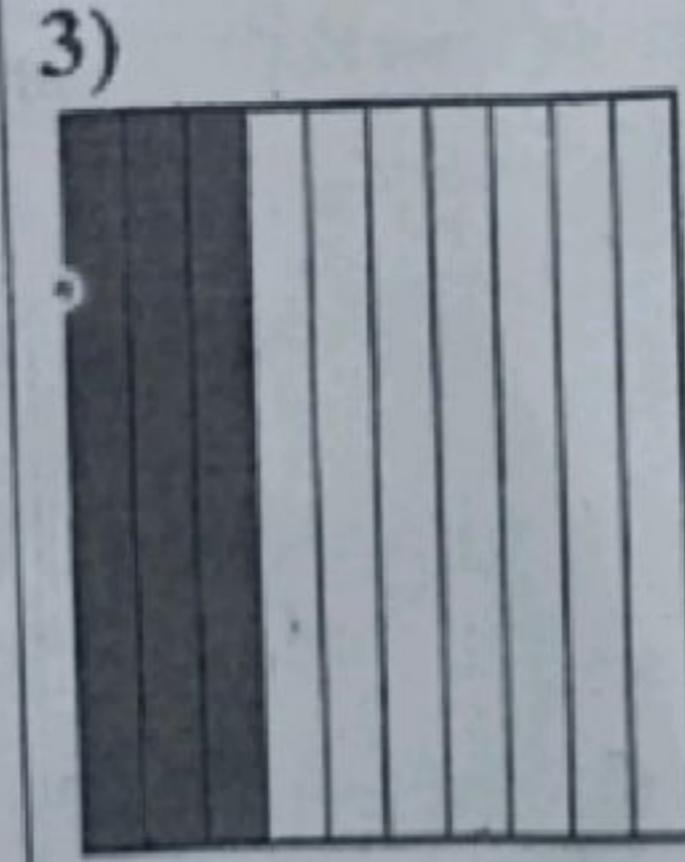
Q.5) Write the fraction of the unshaded portion and also write it decimal form.



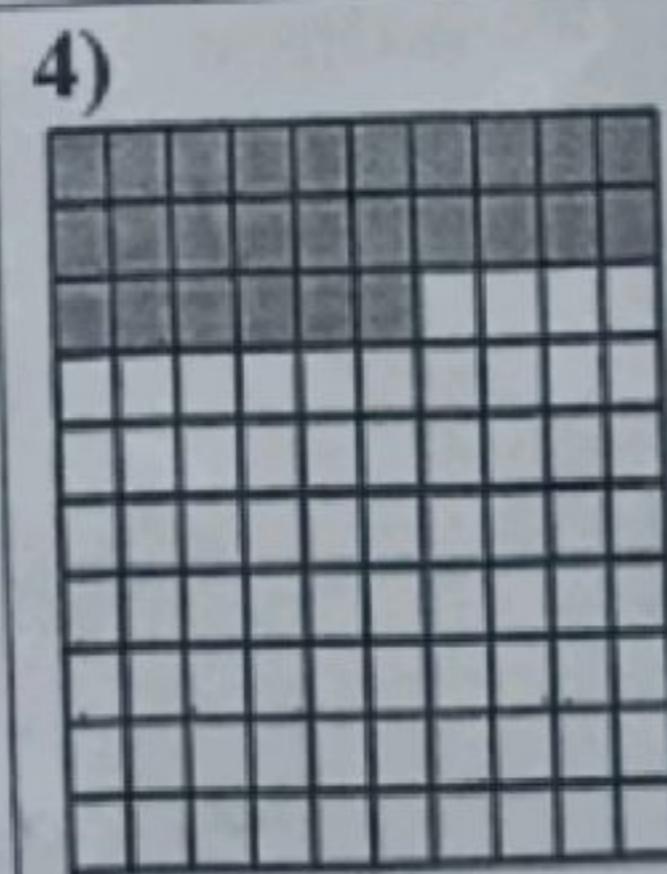
$$\frac{16}{100} = 0.16$$



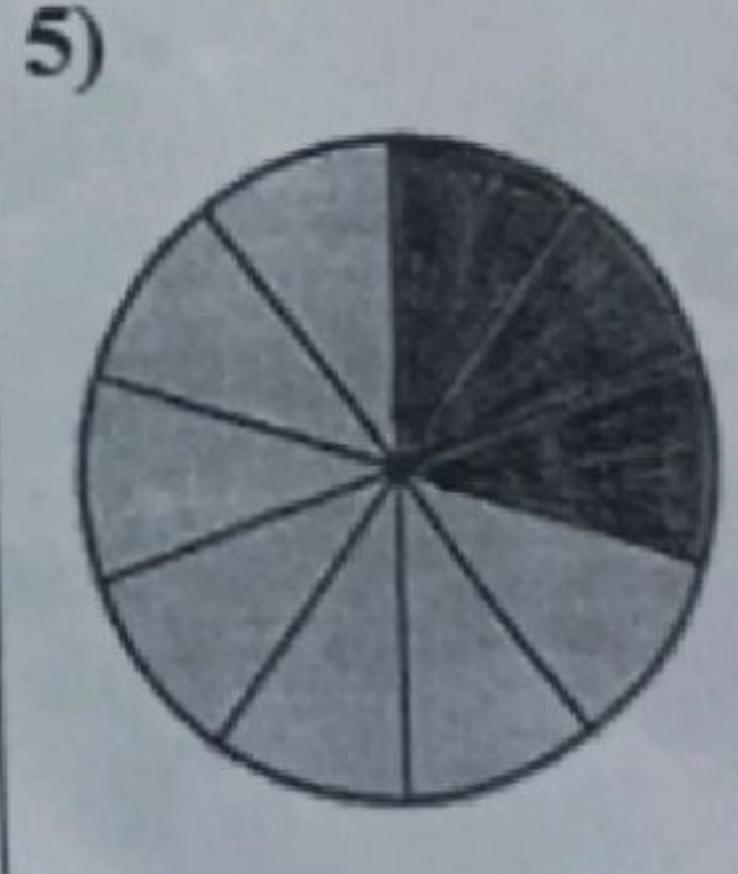
$$\frac{58}{100} = 0.58$$



$$\frac{7}{10} = 0.7$$



$$\frac{74}{100} = 0.74$$



$$\frac{7}{10} = 0.7$$

Q.6) Write the place value of the underlined digits.

1) $563.5\underline{7}6$:- 0.07

2) $134\underline{3}.576$:- 40

3) 293.074 :- 200

Q.7) Write the expanded form of the following.

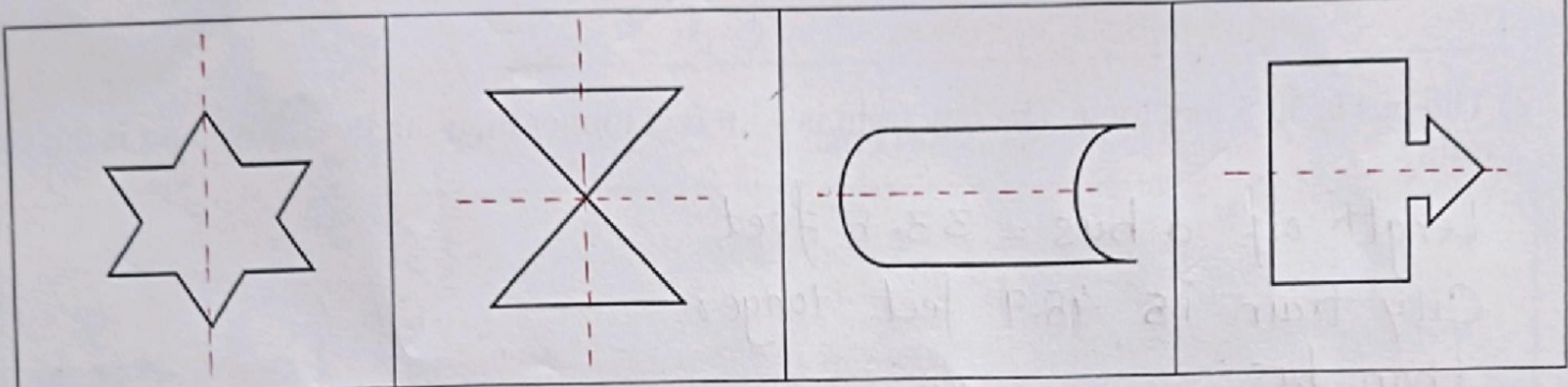
1) 123.56 (Fractional Expansion):-

$$100 + 20 + 3 + \frac{5}{10} + \frac{6}{100}$$

2) 63.025 (Decimal Expansion)

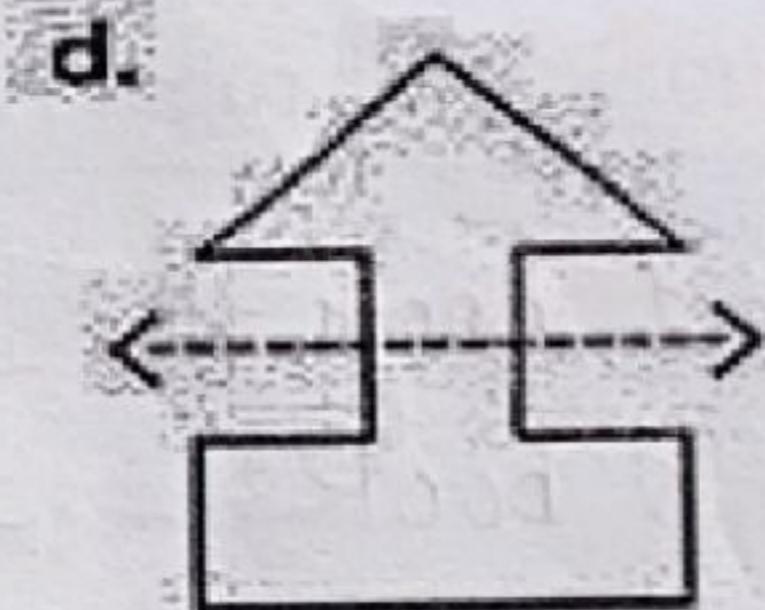
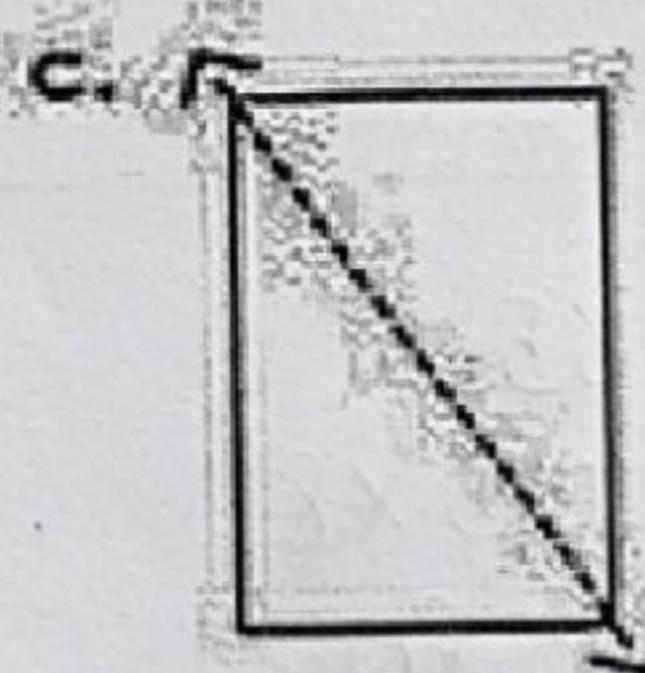
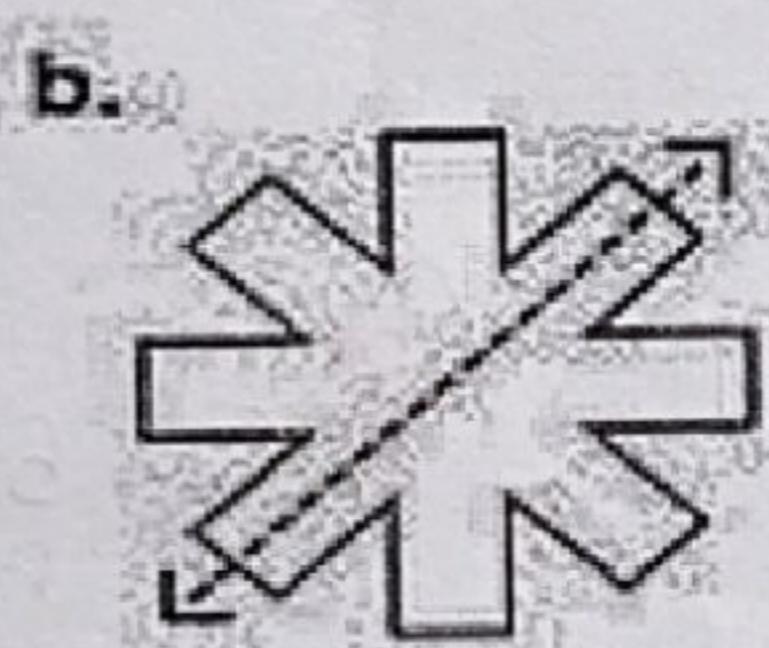
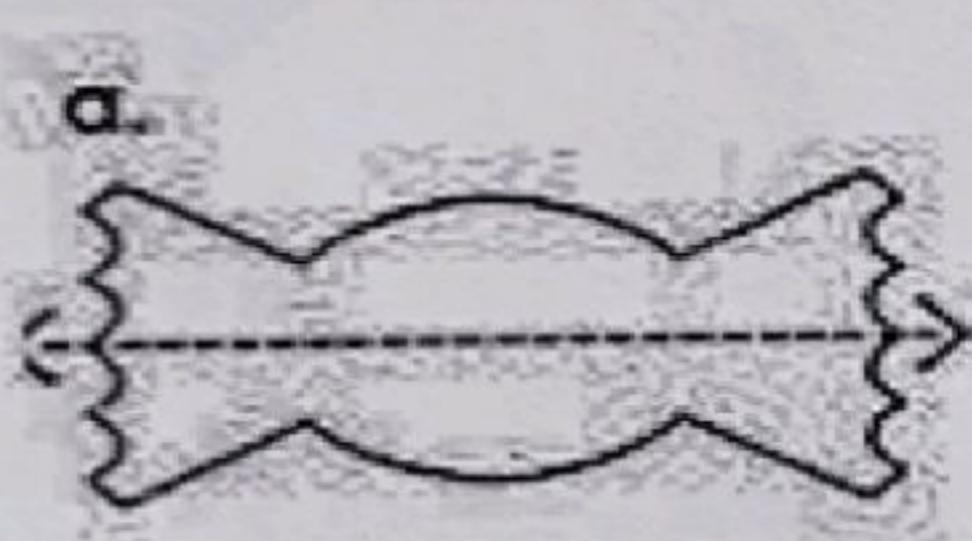
$$60 + 3 + 0.0 + 0.02 + 0.005$$

Q.8) Draw a line of symmetry in the following shapes.



Q.9) Tell whether the dotted line on each shape represents a line of symmetry.

(Write yes or no)



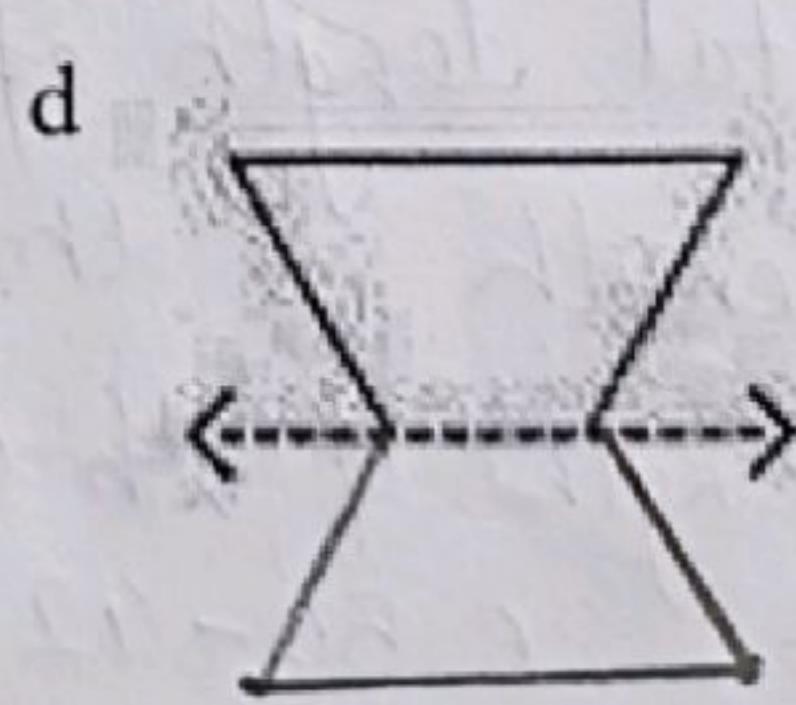
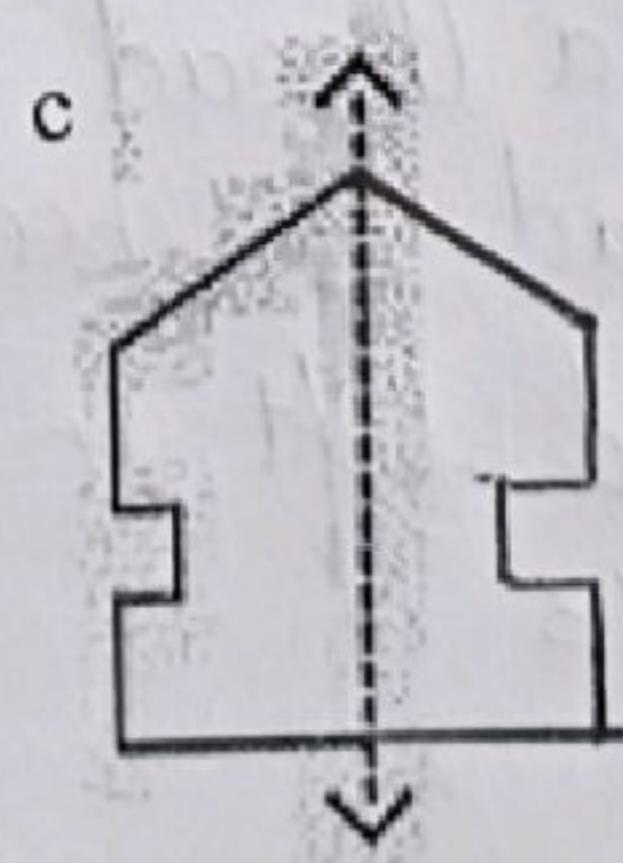
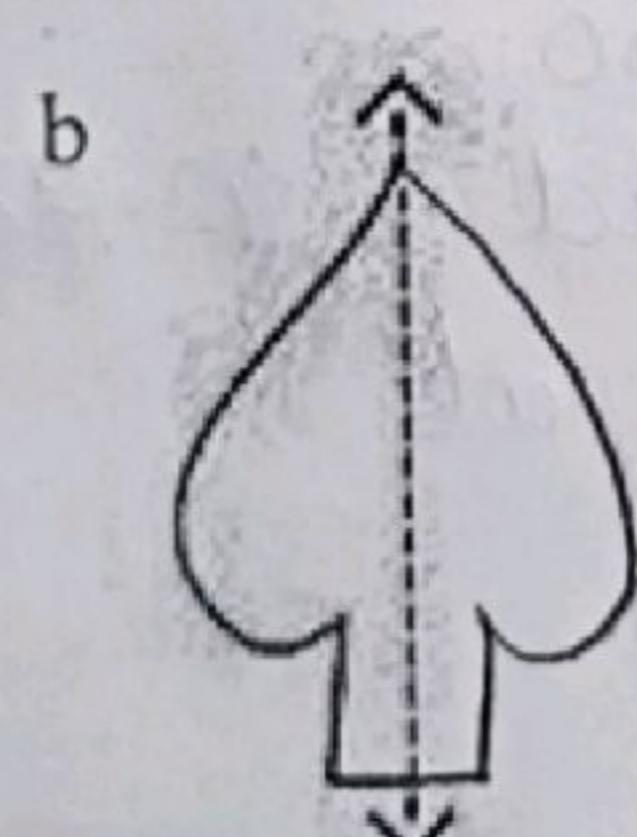
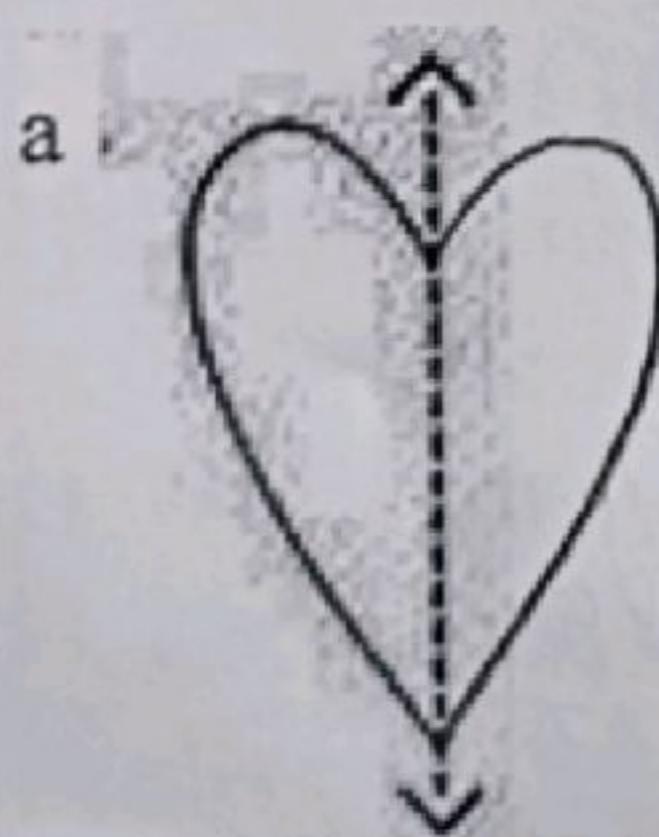
Yes

No

No

No

Q.10) Draw the second half of each symmetrical shape.



Q.11) Word problems.

1) A car travels 367.80 km in 6 hours. How much distance will it travel in 1 hour?

$$\text{Car travels in 6 hours} = 367.80 \text{ km}$$

$$\text{Car travels in 1 hours} = 367.80 \div 6$$

$$= 61.30 \text{ km}$$

$$\begin{array}{r} 61.30 \\ 6 \overline{)367.80} \\ -36 \downarrow \\ \hline 007 \\ -6 \downarrow \\ \hline 18 \\ -18 \downarrow \\ \hline 00 \end{array}$$

∴ The car will travel 61.30 km in 1 hour

2) The bus is 33.5 feet long. The city train is 45.9 feet longer than the bus. How long is the city train?

Length of a bus = 33.5 feet
City train is 45.9 feet longer than bus.

$$\begin{array}{r} 33.5 \\ + 45.9 \\ \hline 79.4 \end{array}$$

∴ $33.5 + 45.9 = 79.4$ feet

∴ The city train is 79.4 feet long

3) A book costs rupees 26.35. What is the cost of 8 such books?

$$\begin{array}{l} 1 \text{ book} = ₹ 26.35 \\ 8 \text{ books} = 26.35 \times 8 \end{array}$$

$$\begin{array}{r} 26.35 \\ \times \quad 8 \\ \hline 210.80 \end{array}$$

The cost of 8 books is ₹ 210.80

4) A spool of thread has a thread measuring 86.50 m. If 42.33 m thread has been cut, what length of thread is still left in the spool?

$$\begin{array}{l} \text{Total length of a thread} = 86.50 \text{ m} \\ \text{Length of thread has been cut} = 42.33 \text{ m} \\ \text{Length of thread left in a spool} \\ = 86.50 - 42.33 \\ = 44.17 \text{ m} \end{array}$$

$$\begin{array}{r} 86.50 \\ - 42.33 \\ \hline 44.17 \end{array}$$

∴ 44.17 m of thread is still left in a spool.