## 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 _____ is another way of expressing a fraction with denomintor 10, 1000 or any multiple of 10.

2) The fold line is called the _____ of symmetry.

3) The mirror line is another name for the line of _____.

4) The line of symmetry can be vertical, horizontal, or _____.

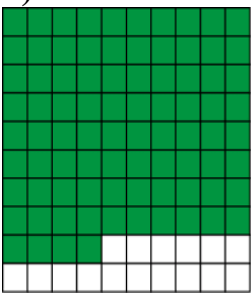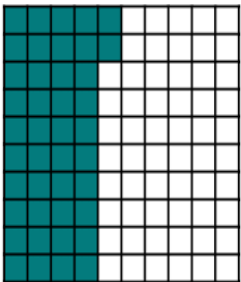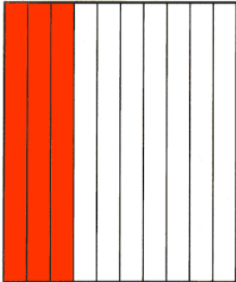5) The number of digits after the decimal point is known as the number of _____ places.

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

$\longleftarrow$ _____ $\longrightarrow$
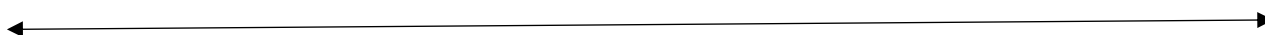
Q.4) Solve the following.

1) 35.18 + 10.12	2) 89.32 + 60.23	3) 3.31 − 1.52
4) 673.45 + 56.75	5) 432.67 x 14	6) 96.3 x 6
7) 35.76 ÷ 12	8) 786.12 ÷ 2	9) 2970.30 ÷ 6

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

1)	2)	3)	4)	5)

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

1) 563.5<u>7</u>6 :- _____.   2) 13<u>4</u>3.576 :- _____.   3) 293.07<u>4</u> :- _____.

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

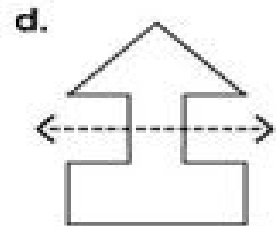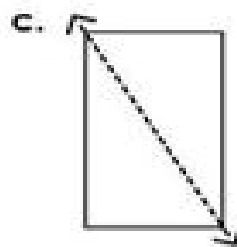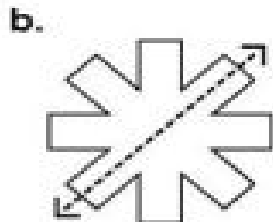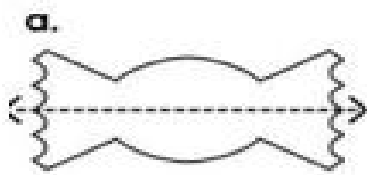1) 123.56 (Fractional Expansion):-

2) 63.025 (Decimal Expansion)

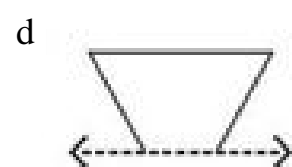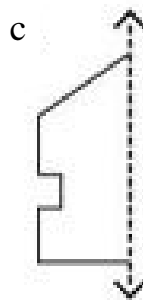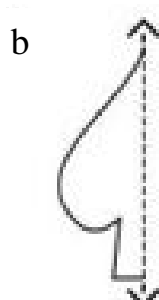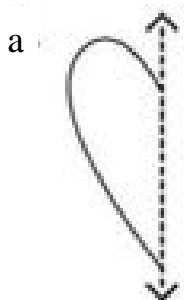**Q.8) Draw a line of symmetry in the following shapes.**
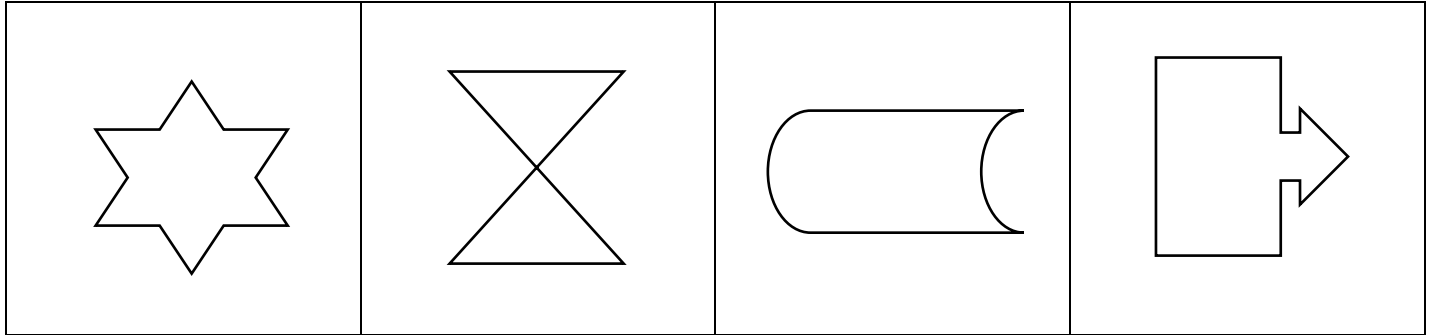
Q.9) Tell whether the dotted line on each shape represents a line of symmetry.

   (Write yes or no)

a.

b.

c.

d.

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

a

b

c

d

Q.11) Word problems.

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

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

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?