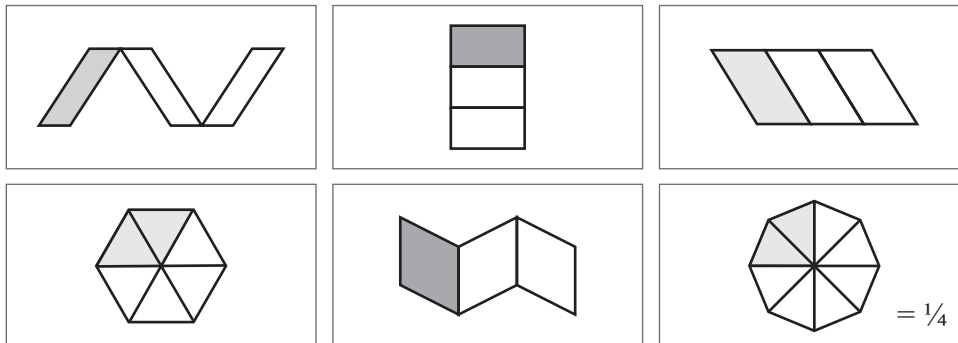


Exercise

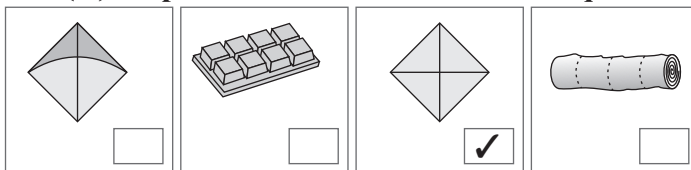
Colour the parts that show one-third:



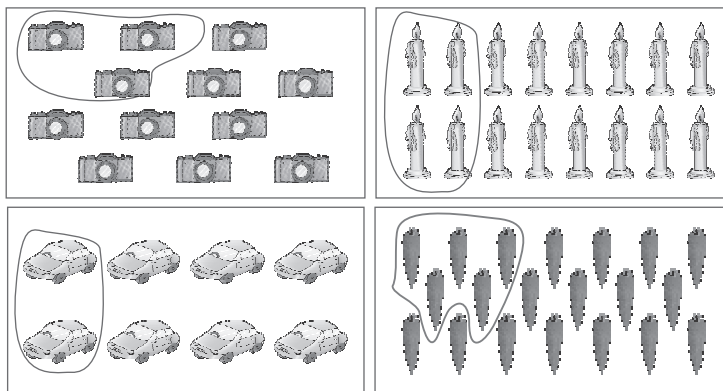
One-Fourth or Quarter

Exercise

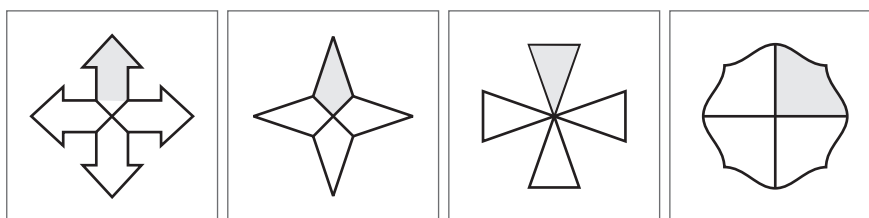
1. Tick (✓) the pictures which are divided into quarters :



2. Ring one-fourth of each collection. One has been done :



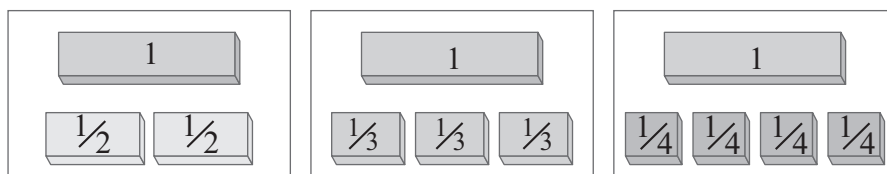
3. Colour the part to show $\frac{1}{4}$:



Lab Activity

Experiment :

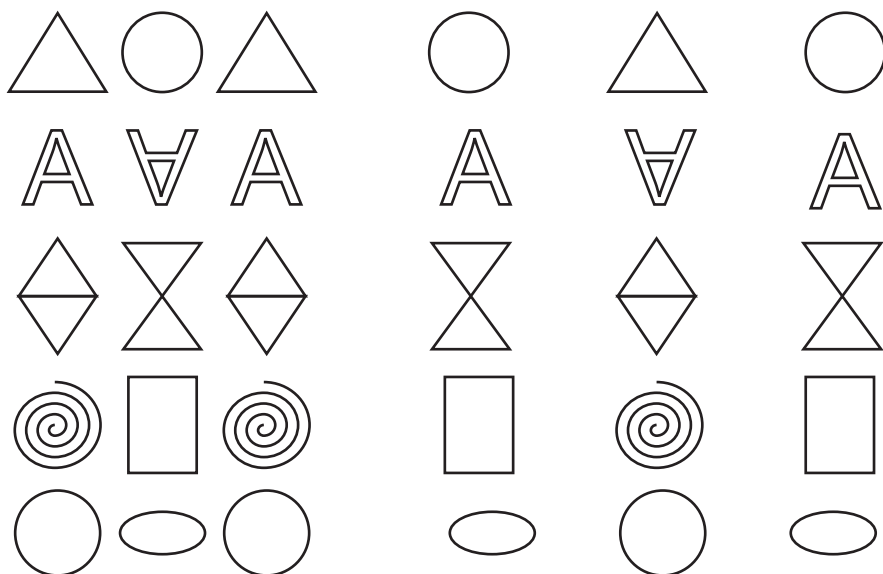
- | | |
|---|---|
| 1. How many HALVES make a whole? | 2 |
| 2. How many THIRDS make a whole? | 3 |
| 3. How many QUARTERS make a whole? | 4 |
| 4. How many QUARTERS make a whole? | 2 |
| 5. How many ONE-EIGHTHS make a quarter? | 4 |
| 6. How many ONE-EIGHTHS make a quarter? | 8 |
| 7. How many ONE-SIXTHS make one third? | 2 |
| 8. How many ONE-SIXTHS make one half? | 3 |



13 Patterns

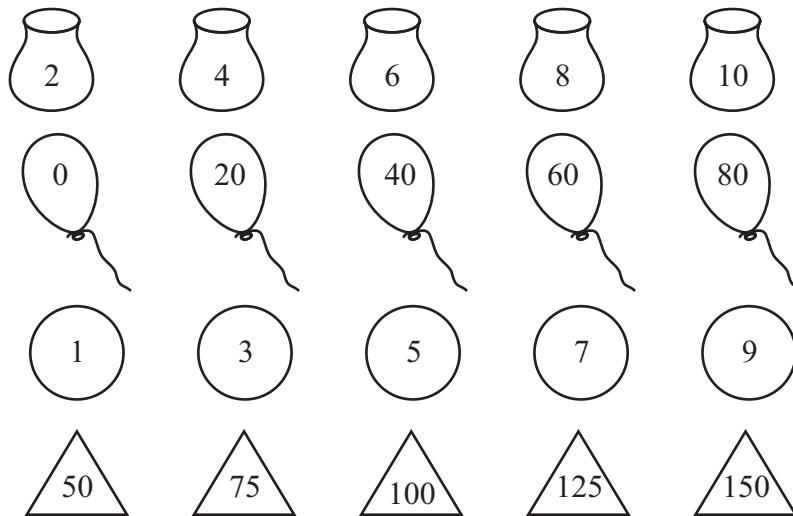
Exercise

Complete the pattern :



Let us look at some patterns with numbers. Fill the number in the blank space of each pattern :





Pattern with 100

Complete the blanks to make 100 :

$90 + 10 = 100$	$40 + 60 = 100$	$110 - 10 = 100$	$160 - 60 = 100$
$80 + 20 = 100$	$30 + 70 = 100$	$120 - 20 = 100$	$170 - 70 = 100$
$70 + 30 = 100$	$20 + 80 = 100$	$130 - 30 = 100$	$180 - 80 = 100$
$60 + 40 = 100$	$10 + 90 = 100$	$140 - 40 = 100$	$190 - 90 = 100$
$50 + 50 = 100$	$0 + 100 = 100$	$150 - 50 = 100$	$200 - 100 = 100$

Understand the pattern and complete the blanks :

$0 + 100 = 100$	$200 - 100 = 100$
$100 + 100 = 200$	$300 - 100 = 200$
$200 + 100 = 300$	$400 - 100 = 300$
$300 + 100 = 400$	$500 - 100 = 400$
$400 + 100 = 500$	$600 - 100 = 500$
$500 + 100 = 600$	$700 - 100 = 600$
$600 + 100 = 700$	$800 - 100 = 700$
$700 + 100 = 800$	$900 - 100 = 800$
$800 + 100 = 900$	$1000 - 100 = 900$
$900 + 100 = 1000$	$1100 - 100 = 1000$

Patterns with Division

Complete the division tables :

$1 \div 1 = 1$	$2 \div 2 = 1$	$3 \div 3 = 1$	$5 \div 5 = 1$
$2 \div 1 = 2$	$4 \div 2 = 2$	$6 \div 3 = 2$	$10 \div 5 = 2$
$3 \div 1 = 3$	$6 \div 2 = 3$	$9 \div 3 = 3$	$15 \div 5 = 3$
$4 \div 1 = 4$	$8 \div 2 = 4$	$12 \div 3 = 4$	$20 \div 5 = 4$
$5 \div 1 = 5$	$10 \div 2 = 5$	$15 \div 3 = 5$	$25 \div 5 = 5$



$6 \div 1 = 6$	$12 \div 2 = 6$	$18 \div 3 = 6$	$30 \div 5 = 6$
$7 \div 1 = 7$	$14 \div 2 = 7$	$21 \div 3 = 7$	$35 \div 5 = 7$
$8 \div 1 = 8$	$16 \div 2 = 8$	$24 \div 3 = 8$	$40 \div 5 = 8$
$9 \div 1 = 9$	$18 \div 2 = 9$	$27 \div 3 = 9$	$45 \div 5 = 9$
$10 \div 1 = 10$	$20 \div 2 = 10$	$30 \div 3 = 10$	$50 \div 5 = 10$

$7 \div 7 = 1$	$8 \div 8 = 1$	$9 \div 9 = 1$	$10 \div 10 = 1$
$14 \div 7 = 2$	$16 \div 8 = 2$	$18 \div 9 = 2$	$20 \div 10 = 2$
$21 \div 7 = 3$	$24 \div 8 = 3$	$27 \div 9 = 3$	$30 \div 10 = 3$
$28 \div 7 = 4$	$32 \div 8 = 4$	$36 \div 9 = 4$	$40 \div 10 = 4$
$35 \div 7 = 5$	$40 \div 8 = 5$	$45 \div 9 = 5$	$50 \div 10 = 5$
$42 \div 7 = 6$	$48 \div 8 = 6$	$54 \div 9 = 6$	$60 \div 10 = 6$
$49 \div 7 = 7$	$56 \div 8 = 7$	$63 \div 9 = 7$	$70 \div 10 = 7$
$56 \div 7 = 8$	$64 \div 8 = 8$	$72 \div 9 = 8$	$80 \div 10 = 8$
$63 \div 7 = 9$	$72 \div 8 = 9$	$81 \div 9 = 9$	$90 \div 10 = 9$
$70 \div 7 = 10$	$80 \div 8 = 10$	$90 \div 9 = 10$	$100 \div 10 = 10$

Odd and Even Numbers

Exercise

1. Use stars to show the numbers 1-10 as odd or even numbers. one is done for you :

★ ★ ★	★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★ ★ ★ ★ ★
3 = odd	4 = even	5 = odd	6 = even	7 = odd	8 = even	9 = odd	10 = even

2. Write the next odd number after :

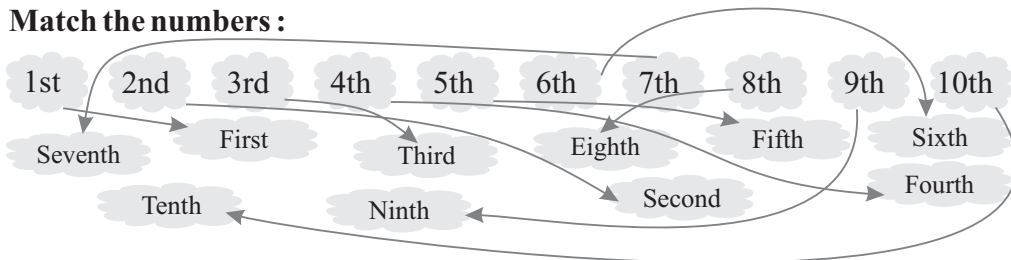
a. 21 **23** b. 69 **71** c. 83 **85** d. 111 **113**
 e. 513 **515** f. 673 **675** g. 413 **415** h. 679 **681**

3. Write the next even number after :

a. 84 **86** b. 36 **38** c. 94 **96** d. 732 **734**
 e. 546 **548** f. 600 **602** g. 24 **26** h. 90 **92**

Ordinal Number

Match the numbers :



WorkSheet

Read and study the house numbers and patterns. Then read the riddles, study the clues and write the answer :



Which house am I? I am an odd number. I have a 7 in the ones place. I am less than 99 and 2 more than 95.

What is my house number? **97**

Which house am I? I am an even number. I am more than 663. All my digits are even numbers and the same digit.

What is my house number? **666**

Which house am I? I am an odd number. I have a 6 in the tens place and the hundreds place. The digit in the ones place is 3 less than 6.

What is my house number? **663**

Which house am I? I am an even number. The sum of my two digits is 17. I am less than 100.

What is my house number? **98**

14 Data handling

1. Answer the following questions :

- How many sunflowers did they see altogether? **7**
- How many white roses did they see? **3**
- How many flowers did they see altogether? **24**
- How many marigold flowers did they see? **9**

2. Study the graph carefully. Then write the correct answer in each blank :



- Tina** has the most number of bananas.
- John** has the least number of bananas.
- Twinkle has **8** bananas.
- Twinkle** has 4 bananas more than Manish.

Study the given list and answer the questions :





- | | |
|--|---------------------|
| a. Which is the least popular game among boys? | Table Tennis |
| b. Which is the least popular game among girls? | Cricket |
| c. Which is the most popular game among boys? | Cricket |
| d. Which is the most popular game among girls? | Badminton |
| e. How many students play basketball? | 13 |
| f. How many students play volleyball? | 11 |
| g. How many more girls play table tennis than cricket? | 4 |
| h. What is the total number of boys who play basketball and badminton? | 12 |

WorkSheet

Count the fruits and the vegetables and fill in the charts :

	9
	16

red	31
orange	

	16
	6
	15
	10

yellow	16
Purple	15
brown	10
Fruits	vegetables
25	47

Formative Assessment-4

1. Write in words :

- a. 165.50 **One hundred Sixty five point five zero**
b. 257.25 **Two hundred fifty seven point two five**
c. 52.75 **Fifty two point seven five**

2. Complete the pattern :

- a.  
- b. 

3. Answer the questions :

- a. How many halves make a whole? **2**
b. How many quarters make a half? **2**
c. How many one-thirds make a whole? **3**

4. Solve :

- a.

₹	P
253	85
- 115	65
138	20

 b.

₹	P
35	55
- 25	95
9	60

 c.

₹	P
159	85
- 085	30
74	55

5. a. $\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = 2$ b. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = 1$

Summative Assessment-2

1. Fill in the blanks :

- a. There are **365** days in a year.
b. There are **31** days in the month of August.
c. If the short hand is between 2 and 3 and the long hand is at 5, the time is **2:05**.

2. Naina weighs 28 kg 500 g and Shradha weights 26 kg 150 g. How much heavier is Naina than Shradha ?

$$\begin{array}{r} 28 \text{ kg } 500 \text{ g} \\ - 26 \text{ kg } 150 \text{ g} \\ \hline \text{Naina is heavier by } 02 \text{ kg } 450 \text{ g} \end{array}$$



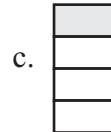
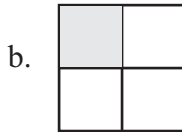
3. Find the sum :

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 20 \quad 650 \\ + 10 \quad 300 \\ \hline 30 \quad 950 \end{array}$$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 78 \quad 750 \\ + 62 \quad 250 \\ \hline 140 \quad 955 \end{array}$$

$$\begin{array}{r} \text{l} \quad \text{ml} \\ 36 \quad 175 \\ + 44 \quad 290 \\ \hline 80 \quad 465 \end{array}$$

4. Shade $\frac{1}{4}$ of each of the following :



5. Kapil bought a textbook costing ₹ 54 and an exercise book costing ₹16. How much did he spend in all?

$$\begin{array}{r} \text{Spend on text box} \quad \text{₹} 54 \\ \text{Spend exercise} \quad \text{₹} 16 \\ \hline \text{Total Spend} \quad \text{₹} 60 \end{array}$$

6. Solve :

a. $16 \text{ ml} \div 2 = 8 \text{ ml}$

b. $56 \text{ kg} \div 7 = 8 \text{ kg}$

c. $39 \text{ l} \div 3 = 13 \text{ ml}$

7. Do the following :

a. $145 \times 3 =$

$$\begin{array}{r} 145 \\ \times 3 \\ \hline 435 \end{array}$$

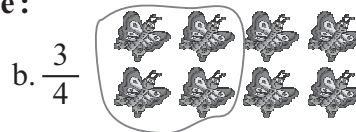
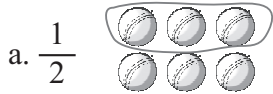
b. $128 \text{ Kg} \div 5 = 25.6$

$$\begin{array}{r} 5 \overline{)128} (25.6 \\ \underline{10} \\ 28 \\ \underline{25} \\ 30 \\ \underline{30} \\ 0 \\ \times \end{array}$$

c. $125 \text{ ml} \div 5 = 25 \text{ ml}$

$$\begin{array}{r} 5 \overline{)125} (25 \\ \underline{10} \\ 25 \\ \underline{25} \\ 0 \end{array}$$

9. Ring the fraction in each case :



10. $1 \text{ kg} = 1000 \text{ gram}$.

11. Weight of a man is measured in **Kg**.

12. Complete the pattern :

