

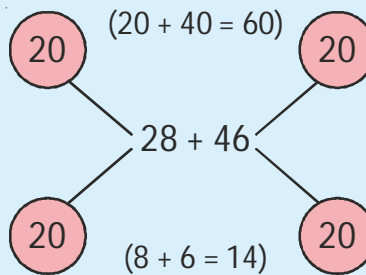
01

There were 28 boys and 46 girls in a hall.

- (a) How many boys and girls were there in the hall altogether ?
- (b) Some boys entered the hall after some time. The total number of boys and girls in the hall became 90. How many boys entered the hall ?



(a)  $28 + 46 = 60 + 14 = 74$

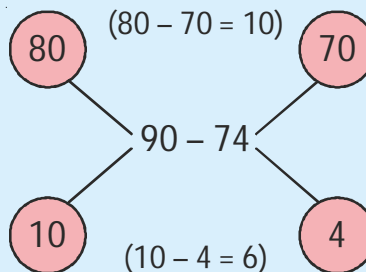


There were 74 boys and girls in the hall altogether.

- (b) After some boys entered the hall, the total number of boys and girls became 90.

$$\boxed{74} + \boxed{?} = \boxed{90}$$

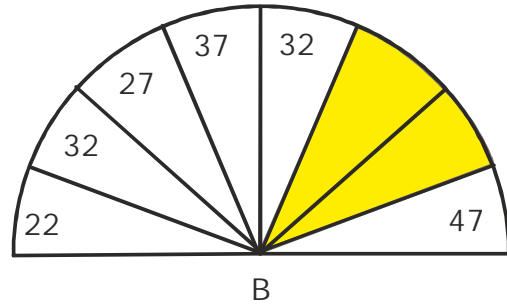
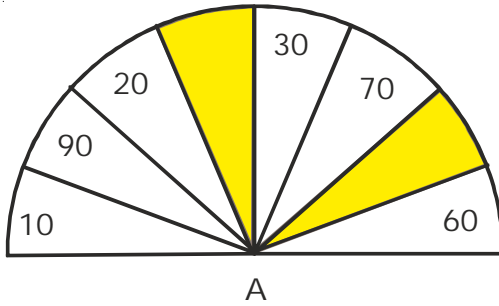
$$90 - 74 = 10 + 6 = 16$$



**16** boys entered the hall.

**02**

Fill in the missing numbers in the shaded regions to complete the number patterns.



**Semicircle A Solution:** The shaded regions are filled with 80 and 40. The following equations show the relationships between the numbers:

- $20 + 80 = 100$
- $30 + 70 = 100$
- $10 + 90 = 100$
- $40 + 60 = 100$

**Semicircle B Solution:** The shaded regions are filled with 32 and 47. The following equations show the relationships between the numbers:

- $+10$  (from 22 to 32)
- $-5$  (from 32 to 27)
- $-5$  (from 37 to 32)
- $+10$  (from 32 to 42)
- $-5$  (from 42 to 37)
- $+10$  (from 37 to 47)

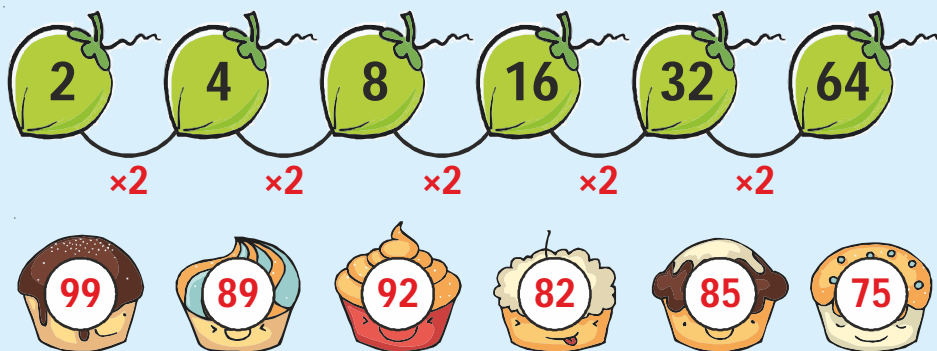
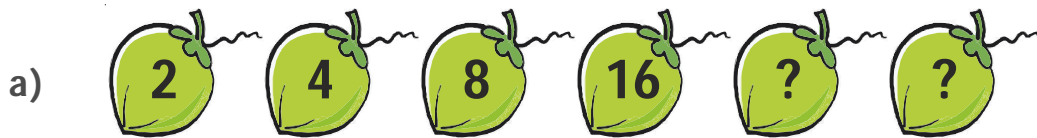
03

Arrange the following numbers in descending order.



04

Complete the following patterns by filling in the missing numbers.



05

Without repeating the same digit, use the numbers on the T-shirts to form



- (a) three different two-digit numbers that are more than 50 but less than 85.  
(b) the greatest and the smallest two-digit numbers.

- (a)  $\left. \begin{array}{l} 53, 69, 81 \\ 51, 69, 83 \\ 59, 61, 83 \\ 59, 63, 81 \end{array} \right\} \text{Any 1 set}$   
(b) Greatest : 98; Smallest : 13

06

Shan is thinking of a 2-digit number. The digit in the ones place is 5 less than 6. The digit in the tens place is 2 more than the digit in the ones place. What is the 2-digit number that Shan is thinking of ?

Tens	Ones
$1 + 2 = 3$	$6 - 5 = 1$

Shan is thinking of the number 31