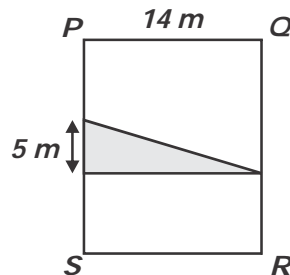


- 1 **Among how many children may 429 mangoes and also 715 oranges be equally divided?**  
 (A) 143 (B) 15 (C) 18 (D) 153
- 2  **$\frac{2}{3}$  of Lahari's money is equal to  $\frac{5}{6}$  of Tanya's money. What fraction of her money must Lahari give to Tanya so that they both have the same amount of money?**  
 (A)  $\frac{2}{15}$  (B)  $\frac{1}{9}$  (C)  $\frac{1}{10}$  (D)  $\frac{5}{9}$
- 3  **$P, Q$  and  $R$  represents three numbers respectively. The ratio of  $P$  to  $(Q + R)$  is  $1 : 3$ . The ratio of  $(P + Q)$  to  $R$  is  $4 : 1$ . Find the ratio of  $P : Q : R$ .**  
 (A)  $1 : 7 : 1$  (B)  $3 : 4 : 1$   
 (C)  $5 : 11 : 4$  (D)  $4 : 12 : 3$
- 4 **The area of the shaded triangle is  $\frac{1}{6}$  of the area of rectangle PQRS. Find the area of the rectangle PQRS.**



- (A)  $35 \text{ m}^2$  (B)  $70 \text{ m}^2$  (C)  $210 \text{ m}^2$  (D)  $420 \text{ m}^2$

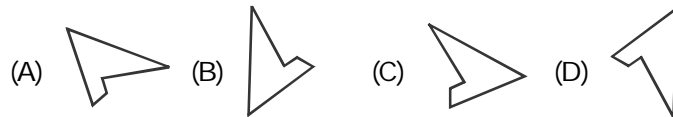
5 *0.2 of the number of pupils in Computer Club is equal to 0.5 of the number of pupils in Art Club. If there are 27 more pupils in Computer Club than in Art Club, find the number of pupils in computer club.*

- (A) 45      (B) 36      (C) 63      (D) 18

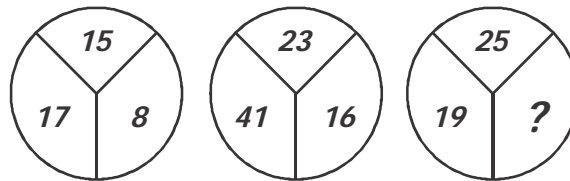
**Class – VI**

**Reasoning**

6 *Which of the following figures is different from others?*



7 *What number should replace the question mark?*



- (A) 11      (B) 15      (C) 44      (D) 22

8 *If P means '×', R means '+', T means '÷' and S means '-', what is the value of 18 T 3 P 9 S 8 R 6?*

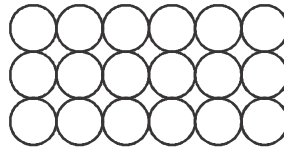
- (A)  $-1\frac{1}{3}$       (B) 46      (C) 52      (D)  $\frac{2}{3}$

9 *What number should replace the question mark?*

$$4322 : 48 :: 4172 : 56 :: 7615 : ?$$

- (A) 42      (B) 180      (C) 210      (D) 24

- 10 In the given figure, if the centres of all the circles are joined by horizontal and vertical lines, find the maximum number of squares that can be formed.



- (A) 10      (B) 14      (C) 15      (D) 18

- 11 Which type of operations are performed by RAM?
- (A) Read and Write      (B) Only Erase  
 (C) Only Write      (D) Only Read
- 12 What is the process of connecting computers together to share resources?
- (A) Outsourcing      (B) Networking  
 (C) Dual platform      (D) Browsing
- 13 Keerthi needs to find a word that means the same thing as "important." What is the best tool for her to use when searching for a synonym in MS-Word?
- (A) Spell checker      (B) Grammar checker  
 (C) Online encyclopedia      (D) Thesaurus
- 14 What is the main purpose of secondary storage device?
- (A) To increase speed of computer  
 (B) To install operating system  
 (C) To provide networking  
 (D) To store data or information

15 → Which of the following statement is valid?

- (A) 1 KB = 1024 bytes
- (B) 1 MB = 2048 bytes
- (C) 1 MB = 1000 kilobytes
- (D) 1 KB = 1000 bytes

**Class – VI****English**

16 → Which of the following words replaces the blank?

Krithi does not like flowers as she has \_\_\_\_\_.

- (A) iatrophobia
- (B) anthophobia
- (C) ophidiophobia
- (D) mechanophobia

17 → What is the similar meaning for the underlined words?

Children like to copy the behaviour of their elders.

- (A) obey
- (B) follow
- (C) imitate
- (D) accompany

18 → Which of the following combinations form a compound word?

honey, sugar, sweet, brush, handle, comb  
 1            2            3            4            5            6

- (A) 2, 3
- (B) 3, 1
- (C) 1, 6
- (D) 4, 5

19 → Find the word that is spelt INCORRECTLY.

- (A) Possession
- (B) Contraversy
- (C) Vacuum
- (D) Aggression



*Which of the following is the correct idiom that replaces the underlined word?*

*Feeling tired, I decided to take a nap on the sofa.*

- (A) shed crocodile's tears      (B) bell the cat  
(C) catch forty winks          (D) keep in mind





# UNIFIED COUNCIL

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### Solutions for Sample Questions

class : 6

#### Mental Ability

- (A) H.C.F. (429, 715) = 143  
∴ The number of children must be **143**.
- (C)  $\frac{2}{3} = \frac{20}{30}$   
 $\frac{5}{6} = \frac{20}{24}$   
 $\frac{20}{30}$  of Lahari's money =  $\frac{20}{24}$  of Tanya's money  
Lahari has 30 units of money.  
Tanya has 24 units of money.  
 $(30 + 24) \div 2 = 27$  units  
 $30 - 27 = 3$  units  
Lahari must give 3 units of her money to Tanya.  
 $\frac{3}{30} = \frac{1}{10}$   
Lahari must give  $\frac{1}{10}$  of her money to Tanya.
- (C) P : Q + R    P + Q : R  
1 : 3            4 : 1  
5 : 15          16 : 4  
  
P : Q : R  
**5 : 11 : 4**
- (C) Area of shaded triangle =  $\frac{1}{2} \times 14 \times 5$   
= 35 m<sup>2</sup>  
Area of rectangle PQRS = 35 × 6  
= **210 m<sup>2</sup>**

- (A) Computer Club 

0.2				
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Art Club 

0.5	
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 $\xleftarrow{27} \xrightarrow{\hspace{1.5cm}}$

3 units  $\longrightarrow$  27

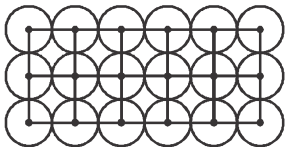
1 unit  $\longrightarrow$   $27 \div 3 = 9$

5 units  $\longrightarrow$   $5 \times 9 = 45$

2 units  $\longrightarrow$   $2 \times 9 = 18$

There are **45 pupils** in Computer Club and 18 pupils in Art Club.

#### Reasoning

- (C) After rotating the figures, you will see that figures (A), (B) and (D) are the same.  
Only (C) is the different from the rest.
- (A)  $\frac{15+17}{4} = 8, \frac{41+23}{4} = 16$   
Similarly,  $\frac{19+25}{4} = 11$
- (C)  $18 \div 3 \times 9 - 8 + 6 = 52$   
∴ The required value is **52**.
- (C)  $4 \times 3 \times 2 \times 2 = 48$   
 $4 \times 1 \times 7 \times 2 = 56$   
Similarly,  $7 \times 6 \times 1 \times 5 = 210$   
∴ The required number is **210**.
- (B)   
Figure formed by joining the centres is 


  
∴ The number of squares formed are **14**.

### Computers

11. (A) RAM can perform *read and write* operations.
12. (B) The process of connecting computers together to share resources is known as *networking*.
13. (D) In MS-Word, *Thesaurus* will give the synonym of any word.
14. (D) Secondary storage device is used to store data or information into computer.
15. (A) **1 KB = 1024 bytes**  
1 MB = 1,048,576 bytes (or) 1,024 KB

### English

16. (B) Krithi does not like flowers as she has *anthophobia*.
17. (C) Similar meaning of 'copy the behaviour of' is '*to imitate*'.
18. (C) Honey – comb  
1 6
19. (B) *Controversy* is the correct spelling.
20. (C) The idiom that replaces the underlined words is '*Catch forty winks*'.





