
8) If $a=8$, find the value of $a+3$ ?
9)


A


B What is the total mass of $A$ and $B$.
10) The ratio of cement and sand is $1: 6$ in a mixture, how many cement pans needed to prepare 35 pans of mixture.
11) Calculate the area of this figure.

12) Fill in the blank $3^{3}-4^{2}$, by using the symbols ' $>$ ' or ' $<$ ".
13) Simplify : $\frac{2}{3}-\frac{3}{12}$
14) $\mathrm{A}=3,6,9,12,15, \ldots$. Descripe the set A with common property of elements within curly brackets.
15) A student started to walk from A and travelled 15 m due south then, turned and travalled 15 m due east and reached $B$. Now which direction is he from the starting place $A$.
16) Write 3.15 pm in standard form.
17) In the number pattern of multiples of 5 written in ascending order as $5,10,15,20, \ldots$ which term is 50 ?
18) Name the parallel lines?

19) Write sixty seven million five in standard form.
20) What is the digital root of $\left(10^{3}+101\right)$ ?

## Part II

* Answer the first question and any four from others.

1) a) Fill in the blanks.

(1 x $6=6$ Marks)
b) Simplify :
(i) $36 \div 6 \div 3$
(iii) $7+18 \div 6-2$
(ii) $5 \times 6 \div 3$
(iv) $105+2(27 \div 3-4)$
( $4 \times 2=8$ Marks $)$
c) The pens in six vboxes, each contains 12 pens, to be divided equally among 9 students. Write down an expression for the number of pens received a student, and simplify it?
(2 Marks)
2) a) Using the number line, determine each of the following sum.
(i) $(-2)+(-4)$
(ii) $(-3)+(+3)$
(iii) $(+5)+(-2)$
b) Simpify :
(i) $\left(\frac{2}{5}\right)+\left(\frac{-1}{5}\right)$
(iii) $(+4)+(-10)$
(v) $(-6)+(-6)$
(ii) $(+9)+(-4)$
(iv) $(-1.76)+(+0.16)$

$$
(5 \times 1=5)
$$

3) a) Let $\mathrm{A}=\{$ Multiple of 5 that line between 6 and 26$\}$
(i) Write A by listing it's elements.
(ii) Represent A in a vetin diagram.
b) (i) Draw a straight line segment $X Y$ such that $X Y=6 \mathrm{~cm}$.
(ii) Draw the arm YR such that $X \hat{Y} R=78^{\circ}$ and $Y R=4 \mathrm{~cm}$.
(iii) Draw a straight line through R parallel to XY , in the direction of X .
(iv) Draw a straight line through X parallel to YR.
(v) Name the point of intersection of the above two lines as ' $s$ '.
(vi) Write the special name of the quadrilatral XYRS.
4) a) i) Expand : $x^{3} y^{2}$
ii) Evaluate : $x^{3} y^{2}$, When $x=2, y=5$.
b) i) Write the prime factors of 18 .
ii) Write 42 as a product of its prime factors.
iii) Find the highest common factor 18,42 ?
iv) Find the least common multiple of 18,42 ?
5) a) Select the leap years from the years given below.

2000, 1976, 1981, 1794, 2025
b) AD 1706 .
i) To which miillenniyum does it belong?
ii) To which Century does it belong?
iii) To which decade does it belong?

$$
(1+1+1)
$$

c) Add.

i) | Year | Month | Day |
| :---: | :--- | :--- |
| 3 | 8 | 15 |
| + | 5 | 4 |

ii) Month Day Hour $5 \quad 18$
$+4 \quad 22$
14

Subtract.

iii) | Year | Month | Day |
| :---: | :---: | :--- |
| 5 | 6 | 18 |
| - | 2 | 2 |

iv) | Year | Month | Day |
| :---: | :--- | :--- |
| 3 | 4 | 18 |
| -2 | 6 | 15 |

$\qquad$
$(1+1+2+2)$
6) a)


The given diagram shows about the journey of a person from A to F .

Fill the blanks.

Angle

1. $A \hat{B} C$
2. $\qquad$
3. $C \widehat{D} E$
4. $\qquad$ ....

C
D

## Name the <br> Vertex

$\qquad$
$\qquad$
Name the
arm
$\qquad$
$\qquad$
$\square$
DE, EF

## Name the type of angle.

obtuse angle.
$\qquad$
$\qquad$
Reflex angle.
b) Measure the magnitude of angle given below. Using a protractor and write it down. $M \hat{L} N$


