

**INTERNATIONAL INDIAN SCHOOL**  
**BURAIDAH**

Worksheet For The Academic Year 2023-24

**CLASS: VIII SUBJECT: Mathematics DATE: 21/01/2024**  
**LESSON-16 Playing With Numbers**

1) Find the unknown values in the following:

$\begin{array}{r} \text{(i) } 12A \\ + 2A7 \\ \hline \end{array}$	$\begin{array}{r} \text{(ii) } 4A \\ + 98 \\ \hline \end{array}$	$\begin{array}{r} \text{(iii) } 1Q \\ \times Q \\ \hline \end{array}$	$\begin{array}{r} \text{(iv) } Q7 \\ + 1P \\ \hline \end{array}$	$\begin{array}{r} \text{(v) } 2A \\ \times 7 \\ \hline \end{array}$
$\hline$ $A60$	$\hline$ $CB3$	$\hline$ $9Q$	$\hline$ $92$	$\hline$ $17A$

$\begin{array}{r} \text{(vi) } 21A \\ + 6AB \\ \hline \end{array}$	$\begin{array}{r} \text{(vii) } 234 \\ + 3AA \\ \hline \end{array}$	$\begin{array}{r} \text{(viii) } 1P \\ \times P \\ \hline \end{array}$
$\hline$ $B07$	$\hline$ $A00$	$\hline$ $7P$

- 2) If  $31z52$  is divisible by 9, find  $z$ .
- 3) If  $2315y7$  is divisible by 9, find  $y$ .
- 4) If  $45y84$  is divisible by 9, find  $y$ .
- 5) If  $52z8$  is divisible by 3, find  $z$ .
- 6)  $735y$  is divisible by 3, find  $y$ .
- 7) Find the numbers which are divisible by 3 or 9:  
(i) 11277 (ii) 3774 (iii) 23076 (iv) 76263 (v) 142875

**ANSWERS**

1) (i) $A=3$ (ii) $A=5, B=4, C=1$ (iii) $Q=6$ (iv) $P=5, Q=7$ (v) $A=5$ (vi) $A=8, B=9$ (viii) $A=6$
2) $z=7$
3) $y=0$ or $9$
4) $y=6$
5) $z=0, 3, 6$ or $9$
6) $y=0, 3, 6$ or $9$