

### Ex 5CC)

1) Find which of the following numbers are divisible by 2:

Ans) i) 192, ii) 1660 are divisible by 2 because ~~192~~ unit digit is 2 and 0.

2) Find which of the following numbers are divisible by 3

Ans) i)  $261 \Rightarrow 2 + 6 + 1 = 9$

9 is divisible by 3  $\therefore$  261 is divisible by 3

ii)  $777 \Rightarrow 7 + 7 + 7 = 21$

$\therefore$  777 is divisible by 3

iii)  $6657 \Rightarrow 6 + 6 + 5 + 7 = 24$

6657 ~~24~~ is divisible by 3

iv)  $2574 \Rightarrow 2 + 5 + 7 + 4 = 18$

2574 is divisible by 3

3) Find which of the following numbers are divisible by 4:

Ans) i) 360, ii) 3180, iii) 5348, iv) 7756 divisible by 4.

4) Find which of the following numbers are divisible by 5:

Ans) i) 3250, ii) 5557, iii) 39255 are divisible by 5

5) Find which of the following numbers are divisible by 10.

Ans) i) 5100, iii) 3400 are divisible by 10.

6) Find which of the following numbers are divisible by 11:

$$\begin{array}{r} 4321 \\ + 1234 \\ \hline \end{array}$$

i) 2563

Sum of odd counting numbers =  $3 + 5 = 8$

Sum of even counting numbers =  $6 + 2 = 8$   
 $8 - 8 = 0$

Yes, 2563 is divisible by 11.

ii) 8307

Sum of odd counting numbers =  $7 + 3 = 10$

Sum even no =  $0 + 8 = 8$   
 $10 - 8 = 2$

8307 is not divisible by 11.

iii) 95635

$5 + 6 + 9 = 20$        $20 - 8 = 12$

$3 + 5 = 8$        $\Rightarrow$  NO