

Exercise 5(c)

Date _____
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i) 192
Yes, 192 is divisible by 2 because it has 2 in its units place.

ii) 1660
Yes, 1660 is divisible by 2 because it has 0 in its unit place.

iii) 1101
No, 1101 is not divisible by 2 because it has 1 in its unit place, a number which has 0 or an even number at its unit place can be divisible by 2.

iv) 2079
No, 2079 is not divisible by 2 because it has 9 in its unit place.

v) 261
 $2 + 6 + 1 = 9$
9 is divisible by 3, $\therefore 261$ is divisible by 3.

vi) 777
 $7 + 7 + 7 = 21$
21 is divisible by 3, $\therefore 777$ is divisible by 3.

iii)

6657
 $6+6+5+7=24$
24 is divisible by 3, \therefore 6657 is divisible by 3.

iv)

2574
 $2+5+7+4=18$
18 is divisible by 3, \therefore 2574 is divisible by 3.

v)

360
60 is divisible by 4, \therefore 360 is divisible by 4.

vi)

3180
80 is divisible by 4, \therefore 3180 is divisible by 4.

vii)

5348
48 is divisible by 4, \therefore 5348 is divisible by 4.

viii)

7756
56 is divisible by 4, \therefore 7756 is divisible by 4.

4) i) 3250

3250 is divisible by 5 because its unit digit is 0.

ii) 5557

5557 is not divisible by 5 because its unit digit is 7. A number which has 5 or 0 at its unit digit can be divisible by 5.

iii) 39255

39255 is ~~not~~ divisible by 5 because it has 5 at its unit digit.

iv) 8204

8204 is not divisible by 4 because its unit digit is 4.

v) 5100

5100 is divisible by 10 because it has 0 at its unit place.

vi) 4612

4612 is not divisible by 10 because it has 2 at its unit place. A number which has 0 at its unit place can be divisible by 10.

vii) 3400

3400 is divisible by 10 because it has 0 at its unit place.

PV) 8399
8399 is not divisible by 10
because it has 9 at its unit
place.

6)ii) 2563
odd place = $5 + 3 = 8$
even place = $2 + 6 = 8$

Difference = $8 - 8 = 0$

2563 is divisible by 11.

pi) 8307
odd place = $3 + 7 = 10$
even place = $8 + 0 = 8$

Difference = $10 - 8 = 2$

8307 is not divisible by 11.

pp) 95635
odd place = $5 + 3 = 8$
even place = $9 + 6 + 5 = 20$

Difference = $20 - 8 = 12$

95635 is not divisible by 11.