

no. of digits
5

no. of segments

$$5n + 1$$

put $n = 5$

$$5 \times 5 + 1$$

$$= 26$$

10

put $n = 10$

$$5 \times 10 + 1$$

$$= 51$$

100

put $n = 100$

$$5 \times 100 + 1$$

$$= 501$$

5

$$3n + 1$$

put $n = 5$

$$3 \times 5 + 1$$

$$= 16$$

10

put $n = 10$

$$3 \times 10 + 1$$

$$= 31$$

100

put $n = 100$

$$3 \times 100 + 1$$

$$= 301$$

1 a)

b)