

Name : _____

Factorial

Sheet 1

Part - A

1) Express 12! in terms of 6!

$$\underline{12! = 12.11.10.9.8.7.6!}$$

2) Express 58! in terms of 54!

3) Express 29! in terms of 26!

4) Express 66! in terms of 65!

5) Express 74! in terms of 69!

6) Express 95! in terms of 90!

Part - B

Write in simplest factorial form.

1) 8.7.6.5.4.3!

$$\underline{8.7.6.5.4.3! = 8!}$$

2) 10.9.8.7.6.5.4!

3) 25.24.23!

4) 33.32.31.30!

5) 89.88.87.86.85!

6) 45.44.43!

Name : _____

Answer key

Factorial

Sheet 1

Part - A

1) Express 12! in terms of 6!

$$\underline{12! = 12.11.10.9.8.7.6!}$$

2) Express 58! in terms of 54!

$$\underline{58! = 58.57.56.55.54!}$$

3) Express 29! in terms of 26!

$$\underline{29! = 29.28.27.26!}$$

4) Express 66! in terms of 65!

$$\underline{66! = 66.65!}$$

5) Express 74! in terms of 69!

$$\underline{74! = 74.73.72.71.70.69!}$$

6) Express 95! in terms of 90!

$$\underline{95! = 95.94.93.92.91.90!}$$

Part - B

Write in simplest factorial form.

1) 8.7.6.5.4.3!

$$\underline{8.7.6.5.4.3! = 8!}$$

2) 10.9.8.7.6.5.4!

$$\underline{10.9.8.7.6.5.4! = 10!}$$

3) 25.24.23!

$$\underline{25.24.23! = 25!}$$

4) 33.32.31.30!

$$\underline{33.32.31.30! = 33!}$$

5) 89.88.87.86.85!

$$\underline{89.88.87.86.85! = 89!}$$

6) 45.44.43!

$$\underline{45.44.43! = 45!}$$