

**Factorial**

**Part - A**

1) Express 63! in terms of 61!

2) Express 96! in terms of 93!

**63! = 63.62.61!**

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3) Express 84! in terms of 82!

4) Express 72! in terms of 67!

5) Express 49! in terms of 16!

\_\_\_\_\_

Write in simplest form

1) 75.74.73!

**75.74.**

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3) 87.86!

4) 27.26.25!

5) 35.34.33.32!

6) 53.52.51.50.49.48!

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**Answer key**

**Factorial**

Sheet 4

**Part - A**

1) Express 63! in terms of 61!

**$63! = 63.62.61!$**

2) Express 96! in terms of 93!

**$96! = 96.95.94.93!$**

3) Express 84! in terms of 82!

**$84! = 84.83.82!$**

4) Express 72! in terms of 67!

**$72! = 72.71.70.69.68.67!$**

5) Express 49! in terms of 16!

**$49! = 49.48.47.46.45.44.43.42.41.40.39.38.37.36.35.34.33.32.31.30.29.28.27.26.25.24.23.22.21.20.19.18.17.16!$**

in terms of 16!

**$49! = 49.48.47.46.45.44.43.42.41.40.39.38.37.36.35.34.33.32.31.30.29.28.27.26.25.24.23.22.21.20.19.18.17.16!$**

Write in simplest form

1)  $75.74.73!$

**$75.74.73! = 75!$**

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**$7.6.5! = 9!$**

3)  $87.86!$

**$87.86! = 87!$**

4)  $27.26.25!$

**$27.26.25! = 27!$**

5)  $35.34.33.32!$

**$35.34.33.32! = 35!$**

6)  $53.52.51.50.49.48!$

**$53.52.51.50.49.48! = 53!$**