

**Factorial**

**Part - A**

1) Express 55! in terms of 50!

2) Express 5! in terms of 3!

**55! = 55.54.53.52.51.50!**

3) Express 70! in terms of 68!

4) Express 61! in terms of 57!

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5) Express 86! i

in terms of 29!

Write in simplest

1) 23.22!

.90.89!

**23.2**

3) 18.17.16.15!

4) 56.55.54!

5) 44.43.42.41!

6) 62.61.60!

Name : \_\_\_\_\_

**Answer key**

**Factorial**

Sheet 3

**Part - A**

1) Express 55! in terms of 50!

**55! = 55.54.53.52.51.50!**

2) Express 5! in terms of 3!

**5! = 5.4.3!**

3) Express 70! in terms of 68!

**70! = 70.69.68!**

4) Express 61! in terms of 57!

**61! = 61.60.59.58.57!**

5) Express 86! in terms of 29!

**86! = 86.85.84.83.82.81.80.79.78.77.76.75.74.73.72.71.70.69.68.67.66.65.64.63.62.61.60.59.58.57.56.55.54.53.52.51.50.49.48.47.46.45.44.43.42.41.40.39.38.37.36.35.34.33.32.31.30.29!**

in terms of 29!

**= 30.29!**

Write in simplest form

1)  $23.22!$

**23.2**

$90.89!$

**91.90.89! = 94!**

3)  $18.17.16.15!$

**18.17.16.15! = 18!**

4)  $56.55.54!$

**56.55.54! = 56!**

5)  $44.43.42.41!$

**44.43.42.41! = 44!**

6)  $62.61.60!$

**62.61.60! = 62!**

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