

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

## Find the GP

L2S1

- 1) If the eleventh term of the sequence is  $\frac{3}{512}$  and the seventh term is  $\frac{3}{32}$ , find the 3<sup>rd</sup> term.

\_\_\_\_\_

- 2) The eighth term of the sequence is 2470629 and the third term is 147. Find the 6<sup>th</sup> term.

\_\_\_\_\_

- 3) Find the 3<sup>rd</sup> term if the first term is 1 and the sixth term is  $\frac{4096}{729}$ . Find the 10<sup>th</sup> term if the first term is  $\frac{80}{6561}$  and the 5<sup>th</sup> term is  $\frac{1}{27}$ .

\_\_\_\_\_

- 4) The 9<sup>th</sup> and 4<sup>th</sup> terms of a geometric sequence are 7.5 and -87.5 respectively, find the 1<sup>st</sup> term and the common ratio.

\_\_\_\_\_

- 5) Determine the tenth term of a geometric sequence whose seventh term is 3125 and third term is 5.

\_\_\_\_\_

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**Find the GP**

- 1) If the eleventh term of the sequence is  $\frac{3}{512}$  and the seventh term is  $\frac{3}{32}$ , find the 3<sup>rd</sup> term.

**3<sup>rd</sup> term is  $\frac{3}{2}$**

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- 2) The eighth term of the sequence is 2470629 and the third term is 147. Find the 6<sup>th</sup> term.

**PREVIEW**

- 3) Find the 3<sup>rd</sup> term and the sixth term is  $\frac{40}{72}$  if the 11<sup>th</sup> term is  $\frac{80}{6561}$  and the 10<sup>th</sup> term is  $\frac{80}{6561}$  and the 11<sup>th</sup> term is  $\frac{80}{6561}$  and the 12<sup>th</sup> term is  $\frac{80}{6561}$ .

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- 4) The 9<sup>th</sup> and 4<sup>th</sup> terms of a geometric sequence are 7.5 and -87.5 respectively, find the 11<sup>th</sup> term.

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**11<sup>th</sup> term is -6835937.5**

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- 5) Determine the tenth term of a geometric sequence whose seventh term is 3125 and third term is 5.

**10<sup>th</sup> term is 390625**

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

## Find the GP

L2S2

- 1) The 13<sup>th</sup> and 7<sup>th</sup> terms of a geometric progression are  $-425152.8$  and  $-583.2$  respectively, find the fourth term.

\_\_\_\_\_

- 2) Find the 12<sup>th</sup> term of the geometric progression whose second term is  $\frac{1}{2}$  and the seventh term is  $\frac{1}{16}$ .

\_\_\_\_\_

- 3) If 8 times the 6<sup>th</sup> term and 3<sup>rd</sup> term is 4 times the 7<sup>th</sup> term

\_\_\_\_\_

- 4) Determine the 5<sup>th</sup> and sixth term if the 10<sup>th</sup> term is  $-1572864$

\_\_\_\_\_

- 5) If the ninth term of the sequence is  $-265625$  and the fourth term is  $-85$ , find the 2<sup>nd</sup> term.

\_\_\_\_\_

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**Find the GP**

- 1) The 13<sup>th</sup> and 7<sup>th</sup> terms of a geometric progression are  $-425152.8$  and  $-583.2$  respectively, find the fourth term.

**4<sup>th</sup> term is  $-21.6$**

- 2) Find the 12<sup>th</sup> term of the geometric progression whose second term is  $\frac{1}{2}$  and the seventh term is  $\frac{1}{2}$

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- 3) If 8 times the 6<sup>th</sup> term and 3<sup>rd</sup> term is 4 times the 7<sup>th</sup> term

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- 4) Determine the \_\_\_\_\_  
and sixth term \_\_\_\_\_  
nth term is  $-1572864$

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**3<sup>rd</sup> term is  $-96$**

- 5) If the ninth term of the sequence is  $-265625$  and the fourth term is  $-85$ , find the 2<sup>nd</sup> term.

**2<sup>nd</sup> term is  $-\frac{17}{5}$**

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

L2S3

## Find the GP

- 1) Determine the third term of a geometric sequence whose ninth term is  $-1679616$  and fifth term is  $-1296$ .

\_\_\_\_\_

- 2) If the sixth term of the sequence is  $98415$  and the second term is  $15$ , find the 8<sup>th</sup> term.

\_\_\_\_\_

- 3) The 8<sup>th</sup> and 5<sup>th</sup> terms of a geometric sequence are  $7.5$  and  $2687.5$  respectively, find the 10<sup>th</sup> term.

\_\_\_\_\_

- 4) Find the 9<sup>th</sup> term of a geometric sequence whose first term is  $1$  and seventh term is  $\frac{1}{3}$ . Find the 10<sup>th</sup> term is  $\frac{1}{3}$  and the 12<sup>th</sup> term is  $\frac{1}{27}$ .

\_\_\_\_\_

- 5) The twelfth term of the sequence is  $8388608$  and the sixth term is  $2048$ . Find the 4<sup>th</sup> term.

\_\_\_\_\_

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**Find the GP**

- 1) Determine the third term of a geometric sequence whose ninth term is  $-1679616$  and fifth term is  $-1296$ .

**3<sup>rd</sup> term is  $-36$**

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- 2) If the sixth term of the sequence is  $98415$  and the second term is  $15$ , find the 8<sup>th</sup> term.

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- 3) The 8<sup>th</sup> and 5<sup>th</sup> terms are  $2687.5$  and  $2687.5$  respectively, find the 10<sup>th</sup> term.

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- 4) Find the 9<sup>th</sup> term of a geometric sequence whose first term is  $1$  and seventh term is  $\frac{1}{3}$ .

**9<sup>th</sup> term is  $\frac{1}{128}$**

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- 5) The twelfth term of the sequence is  $8388608$  and the sixth term is  $2048$ . Find the 4<sup>th</sup> term.

**4<sup>th</sup> term is  $128$**

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

## Find the GP

L2S4

- 1) Find the 8<sup>th</sup> term of the geometric progression whose eighteenth term is  $\frac{1}{98304}$  and the twelfth term is  $\frac{1}{1536}$ .

\_\_\_\_\_

- 2) The 14<sup>th</sup> and 10<sup>th</sup> terms of a geometric progression are  $-797161.5$  and  $-9841.5$  respectively, find the fifth term.

\_\_\_\_\_

- 3) Determine the \_\_\_\_\_ eleventh term is  $\frac{1}{2097152}$  and \_\_\_\_\_

\_\_\_\_\_

- 4) If the eighth term \_\_\_\_\_ term is 4802, find the 2<sup>nd</sup> term.

\_\_\_\_\_

- 5) The ninth term of the sequence is 2500 and the second term is  $4\sqrt{5}$ . Find the 6<sup>th</sup> term.

\_\_\_\_\_

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**Find the GP**

- 1) Find the 8<sup>th</sup> term of the geometric progression whose eighteenth term is  $\frac{1}{98304}$  and the twelfth term is  $\frac{1}{1536}$ .

**8<sup>th</sup> term is  $\frac{1}{96}$**

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- 2) The 14<sup>th</sup> and 10<sup>th</sup> terms of a geometric progression are  $-797161.5$  and  $-9841.5$  respectively, find the fifth term.

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- 3) Determine the  $\frac{1}{2097152}$  and  $\frac{1}{1048576}$  and  $\frac{1}{524288}$  eleventh term is

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- 4) If the eighth term is  $1048576$  and the second term is  $16$ , find the 2<sup>nd</sup> term.

**2<sup>nd</sup> term is  $-14$**

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- 5) The ninth term of the sequence is  $2500$  and the second term is  $4\sqrt{5}$ . Find the 6<sup>th</sup> term.

**6<sup>th</sup> term is  $100\sqrt{5}$**

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

L2S5

## Find the GP

- 1) The fifteenth term of the sequence is 114688 and the ninth term is 1792. Find the 18<sup>th</sup> term.

\_\_\_\_\_

- 2) Determine the eighth term of a geometric sequence whose nineteenth term is  $\frac{1}{524288}$  and eleventh term is  $\frac{1}{1}$

\_\_\_\_\_

- 3) If the tenth term is  $\frac{1}{10}$  and the seventh term is  $\frac{1}{1000}$ , find the 7<sup>th</sup> term.

\_\_\_\_\_

- 4) The 9<sup>th</sup> and 6<sup>th</sup> terms of a geometric progression are 1000 and 125 respectively, find the 12<sup>th</sup> term and 38880

\_\_\_\_\_

- 5) Find the 5<sup>th</sup> term of the geometric progression whose eighth term is  $-0.0028431$  and the second term is  $-3.9$ .

\_\_\_\_\_

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**Find the GP**

- 1) The fifteenth term of the sequence is 114688 and the ninth term is 1792. Find the 18<sup>th</sup> term.

**18<sup>th</sup> term is 917504**

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- 2) Determine the eighth term of a geometric sequence whose nineteenth term is  $\frac{1}{524288}$  and eleventh term is  $\frac{1}{1}$

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**4<sup>th</sup> term is 1080**

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- 3) If the tenth term of a geometric sequence is  $-9.6$ , find the 7<sup>th</sup> term.
- 4) The 9<sup>th</sup> and 6<sup>th</sup> terms of a geometric sequence are 38880 and 38880 respectively, find the 4<sup>th</sup> term.
- 5) Find the 5<sup>th</sup> term of the geometric progression whose eighth term is  $-0.0028431$  and the second term is  $-3.9$ .

**5<sup>th</sup> term is  $-0.1053$**

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