

Name : _____

Find the GP

L1S1

- 1) Find the geometric progression whose seventh term is -320 and eleventh term is -5120 .

- 2) The 6th term of the sequence is $2048\sqrt{7}$ and the 9th term is $131072\sqrt{7}$. Find the geometric progression.

- 3) If the eighth term of a progression is 117187.5 and the sixth term is 4687.5 , find the geometric sequence.

- 4) The 10th and 5th terms of a geometric sequence are -262144 and 256 respectively, find the geometric progression.

- 5) Determine the geometric sequence whose fourth term is $\frac{1}{16}$ and thirteenth term is $\frac{1}{8192}$.

Name : _____

Answer key

L1S1

Find the GP

- 1) Find the geometric progression whose seventh term is -320 and eleventh term is -5120 .

$-5, -10, -20, -40, -80, \dots$

- 2) The 6th term of the sequence is $2048\sqrt{7}$ and the 9th term is $131072\sqrt{7}$. Find the geometric progression.

$2\sqrt{7}, 8\sqrt{7}, 32\sqrt{7}, 128\sqrt{7}, 512\sqrt{7}, \dots$

- 3) If the eighth term of a progression is 117187.5 and the sixth term is 4687.5 , find the geometric sequence.

$1.5, 7.5, 37.5, 187.5, 937.5, \dots$

- 4) The 10th and 5th terms of a geometric sequence are -262144 and 256 respectively, find the geometric progression.

$1, -4, 16, -64, 256, \dots$

- 5) Determine the geometric sequence whose fourth term is $\frac{1}{16}$ and thirteenth term is $\frac{1}{8192}$.

$\frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \frac{1}{16}, \frac{1}{32}, \dots$

Name : _____

Find the GP

L1S2

- 1) The 9th and 4th terms of a geometric sequence are 45875.2 and 44.8 respectively, find the geometric progression.

- 2) Determine the geometric sequence whose fourteenth term is -6144 and eighth term is -96.

- 3) The 7th term of
geometric prog

- 4) Find the geome

- 5) If the thirteenth term of the progression is -531441 and the seventh term is -729, find the geometric sequence.

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8. Find the

and sixth term is $\frac{1}{125}$.

Find the GP

- 1) The 9th and 4th terms of a geometric sequence are 45875.2 and 44.8 respectively, find the geometric progression.

0.7, 2.8, 11.2, 44.8, 179.2, ...

- 2) Determine the geometric sequence whose fourteenth term is -6144 and eighth term is -96 .

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- 3) The 7th term of
geometric prog

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- 4) Find the geome

- and sixth term is $\frac{1}{125}$.

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45, 3, 1, $\frac{1}{5}$, $\frac{1}{25}$, ...

- 5) If the thirteenth term of the progression is -531441 and the seventh term is -729 , find the geometric sequence.

-1, -3, -9, -27, -81, ...

Name : _____

Find the GP

L1S3

- 1) Determine the geometric sequence whose eighth term is 839808 and second term is 18.

- 2) The 7th term of the sequence is -156250 and the 3rd term is -250. Find the geometric progression.

- 3) Find the geometric sequence whose first term is $\frac{1}{48}$ and tenth term is $\frac{1}{1536}$.

- 4) If the twelfth term of a geometric sequence is 7873.2, find the geometric progression.

- 5) The 5th and 10th terms of a geometric sequence are -160 and 163840 respectively, find the geometric progression.

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Find the GP

- 1) Determine the geometric sequence whose eighth term is 839808 and second term is 18.

3, 18, 108, 648, 3888, ...

- 2) The 7th term of the sequence is -156250 and the 3rd term is -250. Find the geometric progression.

-10

- 3) Find the geometric sequence whose first term is $\frac{1}{48}$.

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$\frac{1}{1536}$ and tenth term

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- 4) If the twelfth term is -1000000 and the first term is 1, find the geometric progression.

10th term is 7873.2,

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1.2, -3.6, 10.8, -32.4, 97.2, ...

- 5) The 5th and 10th terms of a geometric sequence are -160 and 163840 respectively, find the geometric progression.

$-\frac{5}{8}, \frac{5}{2}, -10, 40, -160, \dots$

Name : _____

Find the GP

L1S4

- 1) The 11th term of the sequence is 7812500 and the 7th term is 12500. Find the geometric progression.

- 2) If the ninth term of a sequence is 35429.4 and the twelfth term is -956593.8 , find the geometric sequence.

- 3) The 9th and 6th terms of a geometric progression are $1024\sqrt{3}$ and $1024\sqrt{3}$ respectively, find the common ratio.

- 4) Determine the 10th term of a geometric progression whose first term is $\frac{1}{486}$ and common ratio is $\frac{1}{1062882}$ and sixth term is $\frac{1}{1062882}$.

- 5) Find the geometric progression whose ninth term is -5764801 and fifth term is -2401 .

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Find the GP

- 1) The 11th term of the sequence is 7812500 and the 7th term is 12500. Find the geometric progression.

$$\frac{4}{5}, 4, 20, 100, 500, \dots$$

- 2) If the ninth term of a sequence is 35429.4 and the twelfth term is -956593.8 , find the geometric sequence.

5.4

- 3) The 9th and 6th terms are $1024\sqrt{3}$ and $1024\sqrt{3}$ respectively, find the geometric progression.

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- 4) Determine the 10th term of the geometric progression whose first term is $\frac{1}{486}$ and common ratio is $\frac{1}{1062882}$ and sixth term is $\frac{1}{1062882}$.

$$2', 6', 18', 54', 162', \dots$$

- 5) Find the geometric progression whose ninth term is -5764801 and fifth term is -2401 .

$$-1, -7, -49, -343, -2401, \dots$$

Name : _____

Find the GP

L1S5

- 1) If the thirteenth term of a sequence is -2125764 and the eighth term is -8748 , find the geometric sequence.

- 2) The 10th and 4th terms of a geometric sequence are $-\frac{1}{32768}$ and $-\frac{1}{8}$ respectively, find the geometric progression.

- 3) Determine the _____ and the seventh term is 4782969 .

- 4) Find the geometric progression _____ and third term is 7.

- 5) The 6th term of the sequence is -0.00512 and the 2nd term is -0.2 . Find the geometric progression.

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Find the GP

- 1) If the thirteenth term of a sequence is -2125764 and the eighth term is -8748 , find the geometric sequence.

$-4, -12, -36, -108, -324, \dots$

- 2) The 10th and 4th terms of a geometric sequence are $-\frac{1}{32768}$ and $-\frac{1}{8}$ respectively, find the geometric progression.

- 3) Determine the sequence if the first term is 4782969 .

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and the seventh term

- 4) Find the geometric sequence if the first term is 36 and the third term is 6 .

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and third term is 7.

- 5) The 6th term of the sequence is -0.00512 and the 2nd term is -0.2 . Find the geometric progression.

$-0.5, -0.2, -0.08, -0.032, -0.0128, \dots$

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 3rd term.

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

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

- 4) The 9th and 4th terms of a geometric sequence are 7.5 and -87.5 respectively, find the 1st term.

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

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Name : _____

Answer key

L2S1

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 3rd term.

3rd term is $\frac{3}{2}$

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

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- 3) Find the 3rd term and the sixth term is $\frac{40}{72}$ if the first term is $\frac{80}{6561}$ and the common ratio is $\frac{1}{9}$.

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

11th term is -6835937.5

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

10th term is 390625

Name : _____

Find the GP

L2S2

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

- 2) Find the 12th 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 6th term and 3rd term is 4 times the 7th term

- 4) Determine the first and sixth term if the ninth term is -1572864

- 5) If the ninth term of the sequence is -265625 and the fourth term is -85 , find the 2nd term.

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Find the GP

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

4th term is -21.6

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

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- 3) If 8 times the 6th term and 3rd term is 4 times the 7th term

- 4) Determine the 5th and sixth term if the 4th term is -1572864

3rd term is -96

- 5) If the ninth term of the sequence is -265625 and the fourth term is -85 , find the 2nd term.

2nd 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 8th term.

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

- 4) Find the 9th term of a geometric sequence whose first term is 1 and seventh term is $\frac{1}{3}$. Find the 11th term if the common ratio is $\frac{1}{3}$ and the 10th term is $\frac{1}{3}$ and the 11th term is $\frac{1}{9}$.

- 5) The twelfth term of the sequence is 8388608 and the sixth term is 2048 . Find the 4th 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 .

3rd term is -36

- 2) If the sixth term of the sequence is 98415 and the second term is 15 , find the 8th term.

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- 3) The 8th and 5th terms are 2687.5 and 2687.5 respectively, find the 10th term.

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

9th term is $\frac{1}{128}$

- 5) The twelfth term of the sequence is 8388608 and the sixth term is 2048 . Find the 4th term.

4th term is 128

Name : _____

L2S4

Find the GP

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

- 2) The 14th and 10th 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 2nd term.

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

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Find the GP

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

8th term is $\frac{1}{96}$

- 2) The 14th and 10th 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 14 and the second term is 4802 , find the 2nd term.

2nd term is -14

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

6th term is $100\sqrt{5}$

Name : _____

L2S5

Find the GP

- 1) The fifteenth term of the sequence is 114688 and the ninth term is 1792. Find the 18th 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 7th term.

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

- 5) Find the 5th 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 18th term.

18th term is 917504

- 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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- 3) If the tenth term is $\frac{1}{1024}$ and the seventh term is $\frac{1}{128}$, find the 7th term.

- 4) The 9th and 6th terms of a geometric progression are 1080 and 38880 respectively, find the 4th term.

4th term is 1080

- 5) Find the 5th term of the geometric progression whose eighth term is -0.0028431 and the second term is -3.9 .

5th term is -0.1053
