

The first and 5<sup>th</sup> terms of a sequence are given. Fill in the missing numbers for an arithmetic sequence. Then fill in the numbers for a geometric sequence.

1.

Arithmetic	4				324
Geometric	4				324

2.

Arithmetic	3				48
Geometric	3				48

3.

Arithmetic	-6250				-10
Geometric	-6250				-10

4.

Arithmetic	-12				- 0.75
Geometric	-12				- 0.75

5.

Arithmetic	-1377				-17
Geometric	-1377				-17

**Answer Key**

1.

Arithmetic	4	<b>84</b>	<b>164</b>	<b>244</b>	324
Geometric	4	<b>12</b>	<b>36</b>	<b>108</b>	324

2.

Arithmetic	3	<b>14.25</b>	<b>25.5</b>	<b>36.75</b>	48
Geometric	3	<b>6</b>	<b>12</b>	<b>24</b>	48

3.

Arithmetic	-6250	<b>-4690</b>	<b>-3130</b>	<b>-1570</b>	-10
Geometric	-6250	<b>-1250</b>	<b>-250</b>	<b>-50</b>	-10

4.

Arithmetic	-12	<b>-9.1875</b>	<b>-6.375</b>	<b>-3.5625</b>	-0.75
Geometric	-12	<b>-6</b>	<b>-3</b>	<b>-1.5</b>	-0.75

5.

Arithmetic	-1377	<b>-1037</b>	<b>-697</b>	<b>-357</b>	-17
Geometric	-1377	<b>-459</b>	<b>-153</b>	<b>-51</b>	-17