

Name : _____

Arithmetic Sequence

Sheet 1

Find the next three terms of each arithmetic sequence.

1) 3, 6, 9, 12, 15, ...

2) -5.5, -5.9, -6.3, -6.7, -7.1, ...

3) 15, 11, 7, 3, -1, ...

4) 266, 282, 298, 314, 330, ...

5) $\frac{3}{4}, -\frac{1}{4}, -\frac{5}{4}, -\frac{9}{4}$

$3\sqrt{5}, 18\sqrt{5}, 23\sqrt{5}, \dots$

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7) 6.2, 6.5, 6.8, 7.1

, 0, ...

9) Jane planted 2 saplings in the sequence. How

arden patch, 24 so on in an arithmetic ext three rows?

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10) A car manufacturing unit produced 550 cars in April, 675 cars in May, 800 cars in June and so on in an arithmetic sequence. Find the number of cars that were rolled out in July, August and September respectively.

Arithmetic Sequence

Find the next three terms of each arithmetic sequence.

1) 3, 6, 9, 12, 15, ...

2) -5.5, -5.9, -6.3, -6.7, -7.1, ...

18, 21, 24**-7.5, -7.9, -8.3**

3) 15, 11, 7, 3, -1, ...

4) 266, 282, 298, 314, 330, ...

-5, -9,**62, 378**

5) $\frac{3}{4}, -\frac{1}{4}, -\frac{5}{4}, -\frac{9}{4}$

$3\sqrt{5}, 18\sqrt{5}, 23\sqrt{5}, \dots$

 $-\frac{17}{4}, -\frac{21}{4}$

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 $3\sqrt{5}, 38\sqrt{5}$

7) 6.2, 6.5, 6.8, 7.1, ...

, 0, ...

7.7, 8,**4, 21**

9) Jane planted 2 saplings in the first row, 4 saplings in the second row, 6 saplings in the third row, and so on in an arithmetic sequence. How many saplings will she plant in the next three rows?

arden patch, 24 saplings in the first row, 28 saplings in the second row, 32 saplings in the third row, and so on in an arithmetic sequence. Find the number of saplings that will be planted in the next three rows?

22 saplings, 21 saplings, 20 saplings

10) A car manufacturing unit produced 550 cars in April, 675 cars in May, 800 cars in June and so on in an arithmetic sequence. Find the number of cars that were rolled out in July, August and September respectively.

925 cars, 1050 cars, 1175 cars