

**Determine terms of an arithmetic sequence****1**

5, 10, 15, 20, \_\_, \_\_

A 24, 29

B 26, 32

C 25, 30

D 25, 29

E 26, 30

F 26, 31

**2**

4, 8, 12, \_\_, \_\_, \_\_

A 16, 20, 24

B 17, 22, 27

C 17, 20, 23

D 16, 21, 26

E 15, 19, 23

F 17, 21, 25

**3**

Start at 2 and add 6 for each term

A 6, 12, 18, 24

B 2, -4, -10, -16

C 2, 12, 72, 432

D 2, 8, 10, 18

E 2, 8, 14, 20

F 2, 7, 12, 17

**4**

?, 7, 13, 19

?



2



3



4

A 2

B 9

C 1

D 7

E 4

F 10

**5**

23, 19, 15, 11, ?

A 4

B 12

C 2

D 11

E 7

F 10

**6**What are the first 3 terms, starting with  $n = 1$  in this number sequence

$$n + 3$$

A 8, 11, 14

B 9, 14, 19

C 10, 15, 20

D 4, 5, 6

E 16, 17, 18

F 7, 11, 15

**7**

Start at 3 and add 5 for each term

A 9,375

B -22

C 43

D 28

E 33

F 24

**8**Find the term for  $n=14$  given this pattern equation

$$a_n = 1 + 3(n - 1)$$

A 41

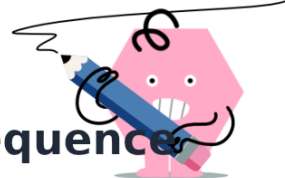
B 42

C 1,594,323

D 43

E 40

F -12

**Determine terms of an arithmetic sequence****9**Find the term for  $n=8$  given this pattern equation

$$a_n = 31 - 2(n - 1)$$

|            |         |         |
|------------|---------|---------|
| A<br>21    | B<br>12 | C<br>19 |
| D<br>3,968 | E<br>17 | F<br>3  |

**10**What is the term in this number sequence when  $m = 3$ 

$$8 + 7m$$

|         |         |         |
|---------|---------|---------|
| A<br>59 | B<br>13 | C<br>30 |
| D<br>31 | E<br>26 | F<br>29 |

**11**

3, 9, 15, 21

|         |         |         |
|---------|---------|---------|
| A<br>38 | B<br>44 | C<br>46 |
| D<br>49 | E<br>45 | F<br>40 |

**12**

61, 57, 53, 49, 45

|         |         |         |
|---------|---------|---------|
| A<br>30 | B<br>33 | C<br>34 |
| D<br>54 | E<br>5  | F<br>29 |