



Math worksheet on 'Patterning - Term Value for Increasing Arithmetic Pattern (Level 3)'. Part of a broader unit on 'Patterns and Sums - Advanced'

Learn online: app.mobius.academy/math/units/patterns_and_sums_advanced/

1

Find the term for $n=18$ in this increasing pattern (first term is $n=1$)

3, 7, 11, 15, 19

a

67

b

75

c

51,539,607,552

d

71

e

68

f

69

2 Find the term for $n=17$ in this increasing pattern (first term is $n=1$)

2, 5, 8, 11, 14

a

49

b

86,093,442

c

48

d

50

e

47

f

-46

3 Find the term for $n=12$ in this increasing pattern (first term is $n=1$)

2, 7, 12, 17, 22

a

56

b

79

c

57

d

60

e

62

f

101

4 Find the term for $n=19$ in this increasing pattern (first term is $n=1$)

1, 3, 5, 7, 9

a

-35

b

33

c

37

d

262,144

e

40

f

34

5 Find the term for $n=13$ in this increasing pattern (first term is $n=1$)

2, 6, 10, 14, 18

a

33,554,432

b

-46

c

50

d

26

e

52

f

14

6 Find the term for $n=11$ in this increasing pattern (first term is $n=1$)

3, 9, 15, 21, 27

a

60

b

43

c

33

d

64

e

63

f

66

7 Find the term for $n=14$ in this increasing pattern (first term is $n=1$)

2, 6, 10, 14

a

51

b

54

c

-50

d

134,217,728

e

50

f

52