Answer key

The method: Listing factors

List every factor in order, smallest to largest.

Factors of 63: 1, 3, 7, 9, 21, 63

Pairs: 1×63, 3×21, 7×9

1, 3, 7, 9, 21, 63 list every number from the pairs, in order

Problems 1 and 2 worked out · Version 0A

Factors of 18: 1, 2, 3, 6, 9, 18

Pairs: 1×18, 2×9, 3×6

1, 2, 3, 6, 9, 18 list every number from the pairs, in order

Factors of 54: 1, 2, 3, 6, 9, 18, 27, 54

Pairs: 1×54, 2×27, 3×18, 6×9

1, 2, 3, 6, 9, 18, 27, 54 list every number from the pairs, in order

Listing factors · Version 0A

1) 1, 2, 3, 6, 9, 18 2) 1, 2, 3, 6, 9, 18, 27, 54
3) 1, 2, 3, 5, 6, 9, 10, 15, 18, 30, 45, 90
4) 1, 3, 5, 15, 25, 75
5) 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72
6) 1, 2, 3, 5, 6, 10, 15, 30
7) 1, 2, 4, 5, 10, 20, 25, 50, 100
8) 1, 2, 3, 4, 6, 8, 12, 24 9) 1, 2, 4, 5, 10, 20
10) 1, 2, 5, 10, 25, 50 11) 1, 3, 7, 9, 21, 63
12) 1, 2, 4, 8, 16, 32, 64
13) 1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84
14) 1, 3, 5, 9, 15, 45
15) 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60
16) 1, 2, 4, 7, 8, 14, 28, 56
17) 1, 2, 4, 5, 8, 10, 16, 20, 40, 80
18) 1, 2, 4, 5, 8, 10, 20, 40
19) 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
20) 1, 2, 3, 4, 6, 12 21) 1, 2, 4, 7, 14, 28
22) 1, 2, 3, 6, 7, 14, 21, 42
23) 1, 2, 3, 4, 6, 9, 12, 18, 36 24) 1, 2, 4, 8, 16, 32
25) 1, 2, 4, 8, 16
26) 1, 2, 3, 4, 6, 8, 12, 16, 24, 32, 48, 96
27) 1, 2, 4, 8, 16, 32, 64 28) 1, 2, 4, 7, 8, 14, 28, 56
29) 1, 2, 5, 10, 25, 50