Answer key

The method: Factor pairs

Start at 1 and work up. Stop when the pairs start to repeat.

Factor pairs of 63: 1×63, 3×21, 7×9

Try 1, 2, 3, ...: 1 ✓ 2 ✗ 3 ✓ 4 ✗ 5 ✗ 6 ✗ 7 ✓ stop after 7; the pairs start to repeat

1×63, 3×21, 7×9

Problems 1 and 2 worked out · Version 0A

Factor pairs of 100: 1×100, 2×50, 4×25, 5×20, 10×10

Try 1, 2, 3, ...: 1 ✓ 2 ✓ 3 ✗ 4 ✓ 5 ✓ 6 ✗ 7 ✗ 8 ✗ 9 ✗ 10 ✓

stop after 10; the pairs start to repeat

1×100, 2×50, 4×25, 5×20, 10×10

Factor pairs of 16: 1×16, 2×8, 4×4

Try 1, 2, 3, ...: 1 ✓ 2 ✓ 3 ✗ 4 ✓ stop after 4; the pairs start to repeat

1×16, 2×8, 4×4

Factor pairs · Version 0A

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