

* Ugly Number II

1 2 3 4 5 6 8 9 10 12

for 2: i
for 3: j
for 5: k

$\min(2i, 3j, 5k)$

↓
i++

Atlas

No: _____

Date: ____/____/____

1 2 **3**
 i
 j
 k
 $\min(2i, 3j, 5k)$
 $(2 \times 2, 3, 5)$
 3
 $j++$

1 2 3 **4**
 i
 j
 k
 $\min(4, 6, 5)$
 4
 $i++$

1 2 3 4 **5**
 i
 j
 k
 $\min(3 \times 2, 2 \times 3, 5 \times 1)$
 5
 $k++$

1 2 3 4 5 **6**
 i
 j
 k
 $\min(4 \times 2, 2 \times 3, 5 \times 2)$
 $j++$
 $i++$

1 2 3 4 5 6 **7**
 i
 j
 k
 $\min(9 \times 2, 3 \times 3, 5 \times 2)$

Can generate from
 both
 2×2
 3×2
 2×3