

# Worksheet

09/23/2018

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Problem quickname: 1435

1)

List all the factors of...

Quick:  
1435

- a)  $F_{70} = \{1, 2, 5, 7, 10, 14, 35, 70\}$       b)  $F_{85} = \{1, 5, 17, 85\}$       c)  $F_{79} = \{1, 79\}$   
 d)  $F_{58} = \{1, 2, 29, 58\}$       e)  $F_{28} = \{1, 2, 4, 7, 14, 28\}$   
 f)  $F_{24} = \{1, 2, 3, 4, 6, 8, 12, 24\}$       g)  $F_{93} = \{1, 3, 31, 93\}$   
 h)  $F_{84} = \{1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84\}$       i)  $F_{67} = \{1, 67\}$   
 j)  $F_{48} = \{1, 2, 3, 4, 6, 8, 12, 16, 24, 48\}$

2)

List all the factors of...

Quick:  
1435

- a)  $F_{16} = \{1, 2, 4, 8, 16\}$       b)  $F_{12} = \{1, 2, 3, 4, 6, 12\}$       c)  $F_{11} = \{1, 11\}$   
 d)  $F_{13} = \{1, 13\}$       e)  $F_{18} = \{1, 2, 3, 6, 9, 18\}$       f)  $F_{10} = \{1, 2, 5, 10\}$   
 g)  $F_5 = \{1, 5\}$       h)  $F_9 = \{1, 3, 9\}$       i)  $F_{17} = \{1, 17\}$       j)  $F_3 = \{1, 3\}$

3)

List all the factors of...

Quick:  
1435

- a)  $F_{29} = \{1, 29\}$       b)  $F_{11} = \{1, 11\}$       c)  $F_{15} = \{1, 3, 5, 15\}$   
 d)  $F_{39} = \{1, 3, 13, 39\}$       e)  $F_{48} = \{1, 2, 3, 4, 6, 8, 12, 16, 24, 48\}$       f)  $F_{41} = \{1, 41\}$   
 g)  $F_{23} = \{1, 23\}$       h)  $F_{21} = \{1, 3, 7, 21\}$       i)  $F_{32} = \{1, 2, 4, 8, 16, 32\}$   
 j)  $F_{35} = \{1, 5, 7, 35\}$

4)

List all the factors of...

Quick:  
1435

- a)  $F_{31} = \{1, 31\}$       b)  $F_{59} = \{1, 59\}$       c)  $F_{48} = \{1, 2, 3, 4, 6, 8, 12, 16, 24, 48\}$   
 d)  $F_{30} = \{1, 2, 3, 5, 6, 10, 15, 30\}$       e)  $F_{46} = \{1, 2, 23, 46\}$   
 f)  $F_{99} = \{1, 3, 9, 11, 33, 99\}$       g)  $F_{95} = \{1, 5, 19, 95\}$       h)  $F_{73} = \{1, 73\}$   
 i)  $F_{22} = \{1, 2, 11, 22\}$       j)  $F_{60} = \{1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60\}$

Good Luck!