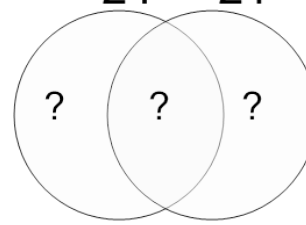# mobius

Math worksheet on *'Factoring - Venn Diagrams - 2 Numbers - Populate Venn (Level 4)'*. Part of a broader unit on *'Factoring and Greatest Common Factor - Practice'*
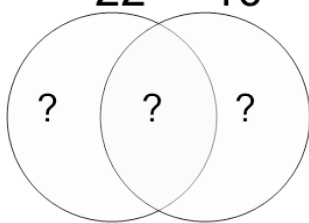
Learn online:
app.mobius.academy/math/units/factoring_and_greatest_common_factor_practice/

1 Populate the factor diagram by finding the prime factors of each number and putting overlapping factors in the center of the Venn diagram.

24 21

a 24 21 — 19 | 3 7
b 24 21 — 2 2 / 2 3
c 24 21 — 2 2 / 2 | 3 7
d 24 21 — 2 2 / 2 3 | 19
e 24 21 — 2 2 / 3 | 2 11
f 24 21 — 2 3 | 2 2 5

2 Populate the factor diagram by finding the prime factors of each number and putting overlapping factors in the center of the Venn diagram.
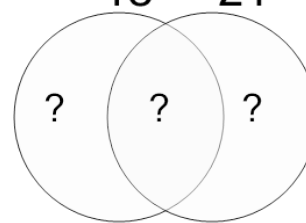
22 16

a 22 16 — 11 | 2 | 2 2 2
b 22 16 — 3 | 2 2 2 2
c 22 16 — 2 11 | 3 7
d 22 16 — 2 11 | 17

3 Populate the factor diagram by finding the prime factors of each number and putting overlapping factors in the center of the Venn diagram.
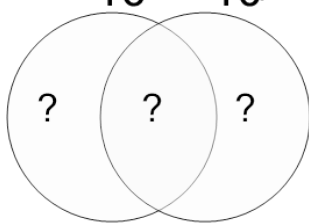
18 21

a 18 21 — 2 11 | 3 7
b 18 21 — 2 3 | 3 | 7
c 18 21 — 2 3 / 3 | 17
d 18 21 — 3 3 | 2 | 11
e 18 21 — 2 3 / 3
f 18 21 — 5 | 3 | 7

4 Populate the factor diagram by finding the prime factors of each number and putting overlapping factors in the center of the Venn diagram.
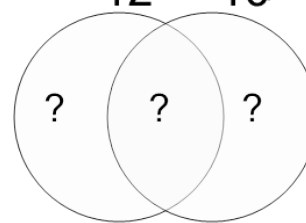
16 10

a 16 10 — 2 2 / 2 2 | 13
b 16 10 — 17 | 2 5
c 16 10 — 3 3 | 2 | 5
d 16 10 — 2 2 / 2 2 | 19
e 16 10 — 2 2 / 2 | 5
f 16 10 — 3 | 5 | 2

5 Populate the factor diagram by finding the prime factors of each number and putting overlapping factors in the center of the Venn diagram.
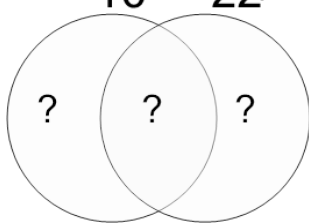
12 16

a 12 16 — 2 2 / 3
b 12 16 — 11 | 2 2 / 2 2
c 12 16 — 2 2 / 3 | 13
d 12 16 — 3 | 2 2 2 2
e 12 16 — 2 2 / 3 | 11
f 12 16 — 3 | 2 2 2

6 Populate the factor diagram by finding the prime factors of each number and putting overlapping factors in the center of the Venn diagram.
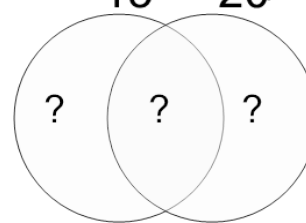
16 22

a 16 22 — 11 2
b 16 22 — 2 2 / 2 2 | 13
c 16 22 — 2 2 / 2 2 | 11
d 16 22 — 7 | 2 | 11
e 16 22 — 2 2 / 2 | 11
f 16 22 — 13 | 2 11

7 Populate the factor diagram by finding the prime factors of each number and putting overlapping factors in the center of the Venn diagram.

15 20

a 15 20 — 3 | 5 | 2 2
b 15 20 — 3 5 | 19
c 15 20 — 2 5 2
d 15 20 — 2 2 | 2 2 5
e 15 20 — 19 | 2 2 / 5
f 15 20 — 3 | 5 | 2