Math worksheet on *'Finding Lowest Common Multiple Distinct Factors - 3 Numbers (Level 1)'*. Part of a broader unit on *'Factoring and Lowest Common Multiple - Advanced'*

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1 Find the set of all the distinct prime factors of these numbers

8, 10, 2

a	{7, 2, 2, 5}
b	{2, 2, 2, 5}
c	{2, 2, 2, 5, 2}
d	{2, 2, 2, 5, 5}
e	{2, 2, 5}
f	{2, 2, 2, 2}

2 Find the set of all the distinct prime factors of these numbers

5, 4, 6

a	{2, 2, 3}
b	{5, 2, 2}
c	{5, 2, 2, 3, 5}
d	{5, 2, 2, 3, 6}
e	{5, 2, 2, 3}
f	{5, 3, 2, 3}

3 Find the set of all the distinct prime factors of these numbers

3, 2, 11

a	{2, 11, 4, 5, 4}
b	{3, 2, 11}
c	{3, 2, 11, 7}
d	{2, 11}
e	{3, 2, 7, 7, 3}
f	{2, 11, 2, 4, 2}

4 Find the set of all the distinct prime factors of these numbers

2, 5, 10

a	{2, 4, 6, 6}
b	{2, 5, 6}
c	{2, 5, 4}
d	{5, 2, 7, 5}
e	{2, 5}
f	{5}

5 Find the set of all the distinct prime factors of these numbers

12, 5, 8

a	{2, 2, 3, 5, 2, 2}
b	{2, 2, 3, 5, 2}
c	{2, 2, 3, 2}
d	{2, 2, 3, 5, 2, 6}
e	{2, 2, 3, 5, 5}
f	{2, 2, 3, 5, 2, 4}

6 Find the set of all the distinct prime factors of these numbers

4, 7, 8

a	{2, 2, 7, 6}
b	{2, 5, 7, 2}
c	{2, 2, 7}
d	{2, 2, 7, 2, 6}
e	{2, 7, 2}
f	{2, 2, 7, 2}

7 Find the set of all the distinct prime factors of these numbers

10, 7, 9

a	{2, 5, 7, 3, 3, 4}
b	{2, 5, 3, 3}
c	{5, 7, 3, 3}
d	{2, 5, 7, 3, 3}
e	{7, 5, 7, 3, 3}
f	{2, 3, 7, 3, 3}