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Math worksheet on *'Finding Greatest Common Factor Shared Factors - 3 Numbers (Level 3)'*. Part of a broader unit on *'Factoring and Greatest Common Factor - Advanced'*

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1 Find the shared prime factors of these numbers

18, 6, 8

a	{3, 2, 6, 2}
b	{3}
c	{2, 6, 7, 3, 2}
d	{2}
e	{2, 5, 4}
f	{2, 2}

2 Find the shared prime factors of these numbers

15, 12, 9

a	{4, 7, 7}
b	{2, 7, 4, 6}
c	{3}
d	{7}
e	{3, 2, 2, 7, 7}
f	{4, 6, 7, 6}

3 Find the shared prime factors of these numbers

8, 6, 16

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

4 Find the shared prime factors of these numbers

14, 16, 12

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

5 Find the shared prime factors of these numbers

14, 10, 12

a	{2, 3}
b	{2, 7, 4, 2}
c	{2, 4, 5, 7, 6}
d	{2}
e	{4, 4, 7, 2}
f	{6, 4, 4}

6 Find the shared prime factors of these numbers

12, 14, 18

a	{2, 5, 3, 6, 6}
b	{6, 5, 2}
c	{7}
d	{2, 5, 3}
e	{2}
f	{7, 3, 3}

7 Find the shared prime factors of these numbers

12, 15, 9

a	{7}
b	{3, 5}
c	{3}
d	{3, 5, 4, 5}
e	{7, 4, 5, 2}
f	{4, 6, 7}