



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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<b>1</b> Find the shared prime factors of these numbers  18, 6, 12	<b>a</b>	{2, 3}
	<b>b</b>	{2, 3, 2}
	<b>c</b>	{3}
	<b>d</b>	{2, 3, 5}
	<b>e</b>	{3, 3, 2, 6, 4}
	<b>f</b>	{4, 3}

<b>2</b> Find the shared prime factors of these numbers  14, 8, 12	<b>a</b>	{2}
	<b>b</b>	{7, 3, 3, 2}
	<b>c</b>	{2, 3}
	<b>d</b>	{4, 6, 3}
	<b>e</b>	{6, 4, 2, 2}
	<b>f</b>	{2, 4}

<b>3</b> Find the shared prime factors of these numbers  6, 18, 15	<b>a</b>	{3}
	<b>b</b>	{3, 6}
	<b>c</b>	{3, 7, 3, 6, 2}
	<b>d</b>	{7, 6, 3}
	<b>e</b>	{3, 2, 6}
	<b>f</b>	{2, 4, 2}

<b>4</b> Find the shared prime factors of these numbers  14, 8, 16	<b>a</b>	{2}
	<b>b</b>	{4, 4, 4, 6}
	<b>c</b>	{2, 2, 7, 7, 6}
	<b>d</b>	{2, 5}
	<b>e</b>	{7, 5, 6}
	<b>f</b>	{3}

<b>5</b> Find the shared prime factors of these numbers  8, 18, 10	<b>a</b>	{3, 7, 5, 4}
	<b>b</b>	{2, 5, 3, 6, 3}
	<b>c</b>	{2, 7, 4, 7, 5}
	<b>d</b>	{6}
	<b>e</b>	{2}
	<b>f</b>	{2, 7}

<b>6</b> Find the shared prime factors of these numbers  10, 16, 18	<b>a</b>	{4}
	<b>b</b>	{2}
	<b>c</b>	{5, 4, 2, 5}
	<b>d</b>	{6}
	<b>e</b>	{5}
	<b>f</b>	{2, 5}

<b>7</b> Find the shared prime factors of these numbers  16, 8, 6	<b>a</b>	{2, 6, 3, 3, 3}
	<b>b</b>	{2, 4}
	<b>c</b>	{2}
	<b>d</b>	{5}
	<b>e</b>	{4}
	<b>f</b>	{6, 3, 5, 2}