



Factoring - Identifying Large Factored Numbers - 3 Factors



1 Factor 882 to find p, y, and b $882 = p^2 \cdot y^2 \cdot b^1$

A	p=7, y=3, b=5	B	p=7, y=3, b=2
C	p=7, y=3, b=5	D	p=3, y=2, b=11
E	p=3, y=2, b=5		

2 Factor 600 to find m, y, and d

$$600 = m^2 \cdot y^3 \cdot d^1$$

A	m=5, y=2, d=3	B	m=5, y=3, d=13
C	m=5, y=3, d=11	D	m=5, y=3, d=13
E	m=5, y=2, d=11		

3 Factor 1750 to find n, p, and y

$$1750 = n^1 \cdot p^1 \cdot y^3$$

A	n=7, p=2, y=13	B	n=7, p=5, y=3
C	n=2, p=5, y=11	D	n=7, p=2, y=5
E	n=2, p=5, y=13		

4 Factor 1750 to find d, p, and m

$$1750 = d^1 \cdot p^3 \cdot m^1$$

A	d=5, p=7, m=11	B	d=2, p=5, m=3
C	d=2, p=5, m=7	D	d=2, p=5, m=11
E	d=2, p=7, m=11		

5 Factor 3430 to find p, c, and m

$$3430 = p^3 \cdot c^1 \cdot m^1$$

A	p=7, c=2, m=3	B	p=7, c=5, m=2
C	p=7, c=2, m=11	D	p=5, c=2, m=13
E	p=7, c=2, m=11		

6 Factor 945 to find b, n, and x

$$945 = b^1 \cdot n^1 \cdot x^3$$

A	b=7, n=5, x=2	B	b=5, n=3, x=2
C	b=5, n=3, x=11	D	b=7, n=5, x=3
E	b=7, n=5, x=13		

7 Factor 750 to find n, x, and y

$$750 = n^1 \cdot x^3 \cdot y^1$$

A	n=3, x=2, y=7	B	n=5, x=2, y=7
C	n=5, x=2, y=11	D	n=3, x=2, y=13
E	n=3, x=5, y=2		

8 Factor 672 to find b, c, and z $672 = b^1 \cdot c^1 \cdot z^5$

A	b=7, c=3, z=13	B	b=3, c=2, z=11
C	b=7, c=3, z=11	D	b=7, c=3, z=2
E	b=7, c=2, z=5		