



Factoring - Identifying Large Factored Numbers - 3 Factors

1 Factor 270 to find d, r, and c $270 = d^1 \cdot r^1 \cdot c^3$

A	d=2, r=5, c=3	B	d=2, r=3, c=7
C	d=5, r=3, c=7	D	d=2, r=5, c=7
E	d=2, r=5, c=7		

2 Factor 180 to find d, n, and m

$$180 = d^1 \cdot n^2 \cdot m^2$$

A	d=3, n=2, m=7	B	d=3, n=2, m=11
C	d=5, n=2, m=13	D	d=5, n=3, m=11
E	d=5, n=3, m=2		

3 Factor 150 to find d, z, and y

$$150 = d^2 \cdot z^1 \cdot y^1$$

A	d=5, z=2, y=3	B	d=2, z=3, y=7
C	d=2, z=3, y=13	D	d=5, z=2, y=13
E	d=5, z=2, y=13		

4 Factor 300 to find b, r, and x $300 = b^1 \cdot r^2 \cdot x^2$

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

5 Factor 150 to find p, y, and d

$$150 = p^1 \cdot y^2 \cdot d^1$$

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

6 Factor 450 to find d, c, and r $450 = d^2 \cdot c^2 \cdot r^1$

A	d=3, c=2, r=7	B	d=5, c=3, r=2
C	d=5, c=2, r=7	D	d=3, c=2, r=7
E	d=3, c=2, r=11		

7 Factor 120 to find r, d, and m

$$120 = r^3 \cdot d^1 \cdot m^1$$

A	r=2, d=3, m=5	B	r=3, d=5, m=11
C	r=3, d=5, m=13	D	r=2, d=3, m=13
E	r=3, d=5, m=7		

8 Factor 270 to find d, r, and n

$$270 = d^1 \cdot r^3 \cdot n^1$$

A	d=5, r=3, n=13	B	d=3, r=2, n=11
C	d=5, r=3, n=2	D	d=5, r=2, n=11
E	d=5, r=2, n=11		