



Factoring - Identifying Large Factored Numbers - 3 Factors



1 Factor 1100 to find d, c, and b

$$1100 = d^2 \cdot c^1 \cdot b^2$$

A d=5, c=11, b=2

B d=5, c=11, b=7

C d=5, c=11, b=7

D d=5, c=2, b=7

E d=5, c=11, b=13

2 Factor 2178 to find n, y, and b

$$2178 = n^2 \cdot y^1 \cdot b^2$$

A n=11, y=2, b=13

B n=11, y=2, b=13

C n=11, y=2, b=3

D n=11, y=3, b=13

E n=11, y=3, b=5

3 Factor 1960 to find y, p, and c

$$1960 = y^1 \cdot p^2 \cdot c^3$$

A y=5, p=7, c=11

B y=5, p=7, c=2

C y=5, p=2, c=11

D y=5, p=2, c=13

E y=5, p=2, c=13

4 Factor 9075 to find y, x, and r

$$9075 = y^2 \cdot x^1 \cdot r^2$$

A y=3, x=5, r=2

B y=11, x=3, r=2

C y=11, x=3, r=13

D y=11, x=3, r=5

E y=3, x=5, r=13

5 Factor 4900 to find n, y, and p

$$4900 = n^2 \cdot y^2 \cdot p^2$$

A n=7, y=5, p=11

B n=7, y=2, p=5

C n=2, y=5, p=3

D n=7, y=5, p=3

E n=7, y=5, p=13

6 Factor 3675 to find m, c, and r

$$3675 = m^2 \cdot c^2 \cdot r^1$$

A m=7, c=5, r=11

B m=7, c=5, r=13

C m=7, c=3, r=13

D m=5, c=3, r=2

E m=7, c=5, r=3

7 Factor 2646 to find d, m, and c

$$2646 = d^1 \cdot m^3 \cdot c^2$$

A d=2, m=3, c=7

B d=2, m=3, c=5

C d=3, m=7, c=5

D d=2, m=3, c=11

E d=2, m=7, c=11

8 Factor 1400 to find n, c, and b

$$1400 = n^3 \cdot c^2 \cdot b^1$$

A n=2, c=5, b=11

B n=2, c=5, b=11

C n=2, c=7, b=11

D n=2, c=5, b=11

E n=2, c=5, b=7