Math worksheet on *'Factoring - Identifying Large Factored Numbers - 3 Factors (Level 2)'*. Part of a broader unit on *'Factoring, Multiplication, Division, Fractions - Practice'*

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1 Factor 882 to find d, n, and y

$$882 = d^1 \cdot n^2 \cdot y^2$$

a	d=2, n=7, y=13	**b**	d=2, n=7, y=3
c	d=2, n=7, y=5	**d**	d=2, n=3, y=5
e	d=7, n=3, y=5		

2 Factor 945 to find n, d, and r

$$945 = n^3 \cdot d^1 \cdot r^1$$

a	n=7, d=5, r=13	**b**	n=3, d=7, r=2
c	n=3, d=7, r=2	**d**	n=3, d=7, r=5
e	n=3, d=7, r=2		

3 Factor 1750 to find z, n, and b

$$1750 = z^1 \cdot n^3 \cdot b^1$$

a	z=5, n=7, b=3	**b**	z=2, n=5, b=7
c	z=2, n=7, b=13	**d**	z=5, n=7, b=13
e	z=2, n=5, b=11		

4 Factor 945 to find b, n, and x

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

a	b=5, n=3, x=2	**b**	b=7, n=5, x=13
c	b=5, n=3, x=11	**d**	b=7, n=5, x=3
e	b=7, n=5, x=2		

5 Factor 2450 to find x, b, and c

$$2450 = x^1 \cdot b^2 \cdot c^2$$

a	x=5, b=7, c=3	**b**	x=2, b=7, c=3
c	x=2, b=5, c=11	**d**	x=2, b=7, c=13
e	x=2, b=5, c=7		

6 Factor 504 to find z, x, and d

$$504 = z^3 \cdot x^1 \cdot d^2$$

a	z=7, x=3, d=11	**b**	z=7, x=3, d=5
c	z=2, x=7, d=3	**d**	z=2, x=3, d=11
e	z=2, x=7, d=5		

7 Factor 900 to find c, y, and b $900 = c^2 \cdot y^2 \cdot b^2$

a	c=3, y=2, b=11	**b**	c=3, y=5, b=11
c	c=3, y=2, b=13	**d**	c=5, y=2, b=11
e	c=3, y=5, b=2		