Math worksheet on *'Factoring - Identifying Large Factored Numbers - 3 Factors (Level 1)'*. Part of a broader unit on *'Factoring, Multiplication, Division, Fractions - Practice'*

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1

Factor 150 to find x, p, and y

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

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

2

Factor 180 to find y, b, and z

$$180 = y^1 \cdot b^2 \cdot z^2$$

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

3

Factor 300 to find m, z, and p

$$300 = m^2 \cdot z^2 \cdot p^1$$

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

4

Factor 120 to find z, n, and m

$$120 = z^1 \cdot n^3 \cdot m^1$$

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

5

Factor 150 to find m, b, and n

$$150 = m^2 \cdot b^1 \cdot n^1$$

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

6

Factor 120 to find m, y, and c

$$120 = m^1 \cdot y^3 \cdot c^1$$

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

7

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=5, n=3, m=2
c	d=5, n=3, m=11	**d**	d=3, n=2, m=11
e	d=5, n=2, m=13		