



Math worksheet on 'Factoring - Identifying Large Factored Numbers - 2 Factors (Level 1)'. Part of a broader unit on 'Factoring, Multiplication, Division, Fractions - Practice'

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**2** Factor 375 to find n, and p

$$375 = n^1 \cdot p^3$$

|          |           |          |           |
|----------|-----------|----------|-----------|
| <b>a</b> | n=5, p=2  | <b>b</b> | n=3, p=11 |
| <b>c</b> | n=5, p=11 | <b>d</b> | n=3, p=5  |
| <b>e</b> | n=5, p=2  |          |           |

**1** Factor 100 to find p, and d

$$100 = p^2 \cdot d^2$$

|          |           |          |           |
|----------|-----------|----------|-----------|
| <b>a</b> | p=5, d=11 | <b>b</b> | p=5, d=11 |
| <b>c</b> | p=2, d=3  | <b>d</b> | p=5, d=7  |
| <b>e</b> | p=5, d=2  |          |           |

**3** Factor 108 to find z, and x

$$108 = z^3 \cdot x^2$$

|          |           |          |          |
|----------|-----------|----------|----------|
| <b>a</b> | z=3, x=7  | <b>b</b> | z=3, x=7 |
| <b>c</b> | z=2, x=11 | <b>d</b> | z=3, x=7 |
| <b>e</b> | z=3, x=2  |          |          |

**4** Factor 200 to find y, and c

$$200 = y^3 \cdot c^2$$

|          |           |          |           |
|----------|-----------|----------|-----------|
| <b>a</b> | y=2, c=5  | <b>b</b> | y=5, c=11 |
| <b>c</b> | y=5, c=3  | <b>d</b> | y=2, c=7  |
| <b>e</b> | y=2, c=11 |          |           |

**5** Factor 100 to find d, and z

$$100 = d^2 \cdot z^2$$

|          |          |          |          |
|----------|----------|----------|----------|
| <b>a</b> | d=5, z=7 | <b>b</b> | d=2, z=3 |
| <b>c</b> | d=2, z=7 | <b>d</b> | d=5, z=3 |
| <b>e</b> | d=2, z=5 |          |          |

**6** Factor 108 to find z, and y

$$108 = z^2 \cdot y^3$$

|          |          |          |           |
|----------|----------|----------|-----------|
| <b>a</b> | z=2, y=3 | <b>b</b> | z=2, y=11 |
| <b>c</b> | z=3, y=7 | <b>d</b> | z=3, y=5  |
| <b>e</b> | z=3, y=5 |          |           |

**7** Factor 100 to find n, and d

$$100 = n^2 \cdot d^2$$

|          |           |          |          |
|----------|-----------|----------|----------|
| <b>a</b> | n=2, d=11 | <b>b</b> | n=5, d=7 |
| <b>c</b> | n=2, d=5  | <b>d</b> | n=2, d=7 |
| <b>e</b> | n=5, d=11 |          |          |