



Math worksheet on 'Prime Factorization - Is Number a Factor - From Variable as Factors (Level 1)'. Part of a broader unit on 'Factoring and Greatest Common Factor - Practice'

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**1**

$$c = 3 \cdot 5$$

Is  $c$  a factor of 30

$$30 = 2 \cdot 3 \cdot 5$$

is  $c$  a factor of 30?

<b>a</b>	<b>b</b>
Yes	No

**2**

$$b = 2 \cdot 5$$

Is  $b$  a factor of 105

$$105 = 3 \cdot 5 \cdot 7$$

is  $b$  a factor of 105?

<b>a</b>	<b>b</b>
Yes	No

**3**

$$r = 2 \cdot 5$$

Is  $r$  a factor of 30

$$30 = 2 \cdot 3 \cdot 5$$

is  $r$  a factor of 30?

<b>a</b>	<b>b</b>
Yes	No

**4**

$$z = 2 \cdot 5$$

Is  $z$  a factor of 42

$$42 = 2 \cdot 3 \cdot 7$$

is  $z$  a factor of 42?

<b>a</b>	<b>b</b>
Yes	No

**5**

$$p = 3^2$$

Is  $p$  a factor of 18

$$18 = 2 \cdot 3^2$$

is  $p$  a factor of 18?

<b>a</b>	<b>b</b>
Yes	No

**6**

$$m = 2 \cdot 5$$

Is  $m$  a factor of 30

$$30 = 2 \cdot 3 \cdot 5$$

is  $m$  a factor of 30?

<b>a</b>	<b>b</b>
Yes	No

**7**

$$x = 3 \cdot 7$$

Is  $x$  a factor of 42

$$42 = 2 \cdot 3 \cdot 7$$

is  $x$  a factor of 42?

<b>a</b>	<b>b</b>
Yes	No