



Prime Factorization - Is Integer a Factor - From Value as Factors

1
 $16 = \bigcirc^4$
 Is 16 a factor of 120

$$120 = 2^3 \cdot 3 \cdot 5$$

is 16 a factor of 120?

| | |
|-----|----|
| A | B |
| Yes | No |

2
 $84 = \bigcirc^2 \cdot \bigcirc \cdot \bigcirc$
 Is 84 a factor of 2310

$$2310 = 2 \cdot 3 \cdot 5 \cdot 7 \cdot 11$$

is 84 a factor of 2310?

| | |
|-----|----|
| A | B |
| Yes | No |

3
 $441 = \bigcirc^2 \cdot \bigcirc^2$
 Is 441 a factor of 1470

$$1470 = 2 \cdot 3 \cdot 5 \cdot 7^2$$

is 441 a factor of 1470?

| | |
|-----|----|
| A | B |
| Yes | No |

4
 $350 = \bigcirc \cdot \bigcirc^2 \cdot \bigcirc$
 Is 350 a factor of 1050

$$1050 = 2 \cdot 3 \cdot 5^2 \cdot 7$$

is 350 a factor of 1050?

| | |
|-----|----|
| A | B |
| Yes | No |

5
 $196 = \bigcirc^2 \cdot \bigcirc^2$
 Is 196 a factor of 1470

$$1470 = 2 \cdot 3 \cdot 5 \cdot 7^2$$

is 196 a factor of 1470?

| | |
|-----|----|
| A | B |
| Yes | No |

6
 $350 = \bigcirc \cdot \bigcirc^2 \cdot \bigcirc$
 Is 350 a factor of 2310

$$2310 = 2 \cdot 3 \cdot 5 \cdot 7 \cdot 11$$

is 350 a factor of 2310?

| | |
|-----|----|
| A | B |
| Yes | No |

7
 $225 = \bigcirc^2 \cdot \bigcirc^2$
 Is 225 a factor of 1050

$$1050 = 2 \cdot 3 \cdot 5^2 \cdot 7$$

is 225 a factor of 1050?

| | |
|-----|----|
| A | B |
| Yes | No |

8
 $490 = \bigcirc \cdot \bigcirc \cdot \bigcirc^2$
 Is 490 a factor of 2310

$$2310 = 2 \cdot 3 \cdot 5 \cdot 7 \cdot 11$$

is 490 a factor of 2310?

| | |
|-----|----|
| A | B |
| Yes | No |