



Math worksheet on 'Prime Factorization - Is Integer a Factor - From Value as Factors (Level 3)'. Part of a broader unit on 'Factoring and Greatest Common Factor - Advanced'

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1

$$735 = n \cdot z \cdot b^2$$

Is 735 a factor of 2310

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

is 735 a factor of  
2310?

a

Yes

b

No

2

$$56 = d^3 \cdot c$$

Is 56 a factor of 420

$$420 = 2^2 \cdot 3 \cdot 5 \cdot 7$$

is 56 a factor of  
420?

a

Yes

b

No

3

$$126 = m \cdot p^2 \cdot z$$

Is 126 a factor of 630

$$630 = 2 \cdot 3^2 \cdot 5 \cdot 7$$

is 126 a factor of  
630?

a

Yes

b

No

4

$$441 = d^2 \cdot z^2$$

Is 441 a factor of 1470

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

is 441 a factor of  
1470?

a

Yes

b

No

5

$$441 = b^2 \cdot z^2$$

Is 441 a factor of 1470

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

is 441 a factor of  
1470?

a

Yes

b

No

6

$$150 = n \cdot x \cdot r^2$$

Is 150 a factor of 1050

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

is 150 a factor of  
1050?

a

Yes

b

No

7

$$294 = m \cdot r \cdot z^2$$

Is 294 a factor of 1470

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

is 294 a factor of  
1470?

a

Yes

b

No