Math worksheet on *'Prime Factorization - Is Number 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

$126 = 2 \cdot 3^2 \cdot 7$
$630 = 2 \cdot 3^2 \cdot 5 \cdot 7$

is 126 a factor of 630?

Is 126 a factor of 630

a	b
Yes	No

2

$140 = 2^2 \cdot 5 \cdot 7$
$420 = 2^2 \cdot 3 \cdot 5 \cdot 7$

is 140 a factor of 420?

Is 140 a factor of 420

a	b
Yes	No

3

$1715 = 5 \cdot 7^3$
$3430 = 2 \cdot 5 \cdot 7^3$

is 1715 a factor of 3430?

Is 1715 a factor of 3430

a	b
Yes	No

4

$196 = 2^2 \cdot 7^2$
$588 = 2^2 \cdot 3 \cdot 7^2$

is 196 a factor of 588?

Is 196 a factor of 588

a	b
Yes	No

5

$210 = 2 \cdot 3 \cdot 5 \cdot 7$
$4290 = 2 \cdot 3 \cdot 5 \cdot 11 \cdot 13$

is 210 a factor of 4290?

Is 210 a factor of 4290

a	b
Yes	No

6

$210 = 2 \cdot 3 \cdot 5 \cdot 7$
$10010 = 2 \cdot 5 \cdot 7 \cdot 11 \cdot 13$

is 210 a factor of 10010?

Is 210 a factor of 10010

a	b
Yes	No

7

$1029 = 3 \cdot 7^3$
$2058 = 2 \cdot 3 \cdot 7^3$

is 1029 a factor of 2058?

Is 1029 a factor of 2058

a	b
Yes	No