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 - Intro'*

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1

$210 = 2 \cdot 3 \cdot 5 \cdot 7$

$6006 = 2 \cdot 3 \cdot 7 \cdot 11 \cdot 13$

Is 210 a factor of 6006

is 210 a factor of 6006?

a	b
Yes	No

2

$189 = 3^3 \cdot 7$

$378 = 2 \cdot 3^3 \cdot 7$

Is 189 a factor of 378

is 189 a factor of 378?

a	b
Yes	No

3

$150 = 2 \cdot 3 \cdot 5^2$

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

Is 150 a factor of 1050

is 150 a factor of 1050?

a	b
Yes	No

4

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

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

Is 196 a factor of 420

is 196 a factor of 420?

a	b
Yes	No

5

$90 = 2 \cdot 3^2 \cdot 5$

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

Is 90 a factor of 630

is 90 a factor of 630?

a	b
Yes	No

6

$294 = 2 \cdot 3 \cdot 7^2$

$5390 = 2 \cdot 5 \cdot 7^2 \cdot 11$

Is 294 a factor of 5390

is 294 a factor of 5390?

a	b
Yes	No

7

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

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

Is 126 a factor of 630

is 126 a factor of 630?

a	b
Yes	No

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