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

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1

$6 = p \cdot m$

Is 6 a factor of both 105 and 110?

$105 = 3 \cdot 5 \cdot 7$
$110 = 2 \cdot 5 \cdot 11$

is 6 a factor of 105 and 110?

a	b
Yes	No

2

$9 = x^2$

Is 9 a factor of both 30 and 42?

$30 = 2 \cdot 3 \cdot 5$
$42 = 2 \cdot 3 \cdot 7$

is 9 a factor of 30 and 42?

a	b
Yes	No

3

$15 = p \cdot y$

Is 15 a factor of both 70 and 66?

$70 = 2 \cdot 5 \cdot 7$
$66 = 2 \cdot 3 \cdot 11$

is 15 a factor of 70 and 66?

a	b
Yes	No

4

$35 = m \cdot b$

Is 35 a factor of both 70 and 105?

$70 = 2 \cdot 5 \cdot 7$
$105 = 3 \cdot 5 \cdot 7$

is 35 a factor of 70 and 105?

a	b
Yes	No

5

$14 = r \cdot n$

Is 14 a factor of both 105 and 231?

$105 = 3 \cdot 5 \cdot 7$
$231 = 3 \cdot 7 \cdot 11$

is 14 a factor of 105 and 231?

a	b
Yes	No

6

$25 = y^2$

Is 25 a factor of both 50 and 75?

$50 = 2 \cdot 5^2$
$75 = 3 \cdot 5^2$

is 25 a factor of 50 and 75?

a	b
Yes	No

7

$21 = c \cdot r$

Is 21 a factor of both 70 and 66?

$70 = 2 \cdot 5 \cdot 7$
$66 = 2 \cdot 3 \cdot 11$

is 21 a factor of 70 and 66?

a	b
Yes	No