Name

Prime Factorization - Is Integer a Factor of Both - From Values as Factors

1 $10 = b \cdot p$

$105 = 3 \cdot 5 \cdot 7$
$165 = 3 \cdot 5 \cdot 11$

Is 10 a factor of both 105 and 165?

is 10 a factor of 105 and 165?

A	B
Yes	No

2 $49 = y^2$

$98 = 2 \cdot 7^2$
$147 = 3 \cdot 7^2$

Is 49 a factor of both 98 and 147?

is 49 a factor of 98 and 147?

A	B
Yes	No

3 $21 = c \cdot r$

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

Is 21 a factor of both 70 and 66?

is 21 a factor of 70 and 66?

A	B
Yes	No

4 $10 = p \cdot c$

$30 = 2 \cdot 3 \cdot 5$
$70 = 2 \cdot 5 \cdot 7$

Is 10 a factor of both 30 and 70?

is 10 a factor of 30 and 70?

A	B
Yes	No

5 $6 = d \cdot b$

$70 = 2 \cdot 5 \cdot 7$
$165 = 3 \cdot 5 \cdot 11$

Is 6 a factor of both 70 and 165?

is 6 a factor of 70 and 165?

A	B
Yes	No

6 $9 = p^2$

$18 = 2 \cdot 3^2$
$45 = 3^2 \cdot 5$

Is 9 a factor of both 18 and 45?

is 9 a factor of 18 and 45?

A	B
Yes	No

7 $6 = p \cdot m$

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

Is 6 a factor of both 105 and 110?

is 6 a factor of 105 and 110?

A	B
Yes	No

8 $10 = b \cdot n$

$42 = 2 \cdot 3 \cdot 7$
$165 = 3 \cdot 5 \cdot 11$

Is 10 a factor of both 42 and 165?

is 10 a factor of 42 and 165?

A	B
Yes	No