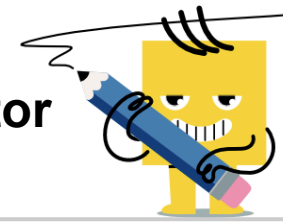
Name

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



1 $21 = 3 \cdot 7$

Is 21 a factor of both 70 and 154?

$70 = 2 \cdot 5 \cdot 7$
$154 = 2 \cdot 7 \cdot 11$

is 21 a factor of 70 and 154?

A	B
Yes	No

2 $4 = 2^2$

Is 4 a factor of both 12 and 20?

$12 = 2^2 \cdot 3$
$20 = 2^2 \cdot 5$

is 4 a factor of 12 and 20?

A	B
Yes	No

3 $14 = 2 \cdot 7$

Is 14 a factor of both 105 and 66?

$105 = 3 \cdot 5 \cdot 7$
$66 = 2 \cdot 3 \cdot 11$

is 14 a factor of 105 and 66?

A	B
Yes	No

4 $6 = 2 \cdot 3$

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

5 $15 = 3 \cdot 5$

Is 15 a factor of both 42 and 110?

$42 = 2 \cdot 3 \cdot 7$
$110 = 2 \cdot 5 \cdot 11$

is 15 a factor of 42 and 110?

A	B
Yes	No

6 $21 = 3 \cdot 7$

Is 21 a factor of both 42 and 105?

$42 = 2 \cdot 3 \cdot 7$
$105 = 3 \cdot 5 \cdot 7$

is 21 a factor of 42 and 105?

A	B
Yes	No

7 $4 = 2^2$

Is 4 a factor of both 30 and 42?

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

is 4 a factor of 30 and 42?

A	B
Yes	No

8 $21 = 3 \cdot 7$

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