Math worksheet on *'Prime Factorization - Is Number a Factor of Both - From Values as Factors (Level 2)'*. Part of a broader unit on *'Digits and Divisibility - Intro'*

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1

$63 = 3^2 \cdot 7$
$90 = 2 \cdot 3^2 \cdot 5$
$198 = 2 \cdot 3^2 \cdot 11$

Is 63 a factor of both 90 and 198?

is 63 a factor of 90 and 198?

a	b
Yes	No

2

$75 = 3 \cdot 5^2$
$150 = 2 \cdot 3 \cdot 5^2$
$525 = 3 \cdot 5^2 \cdot 7$

Is 75 a factor of both 150 and 525?

is 75 a factor of 150 and 525?

a	b
Yes	No

3

$20 = 2^2 \cdot 5$
$60 = 2^2 \cdot 3 \cdot 5$
$140 = 2^2 \cdot 5 \cdot 7$

Is 20 a factor of both 60 and 140?

is 20 a factor of 60 and 140?

a	b
Yes	No

4

$50 = 2 \cdot 5^2$
$150 = 2 \cdot 3 \cdot 5^2$
$350 = 2 \cdot 5^2 \cdot 7$

Is 50 a factor of both 150 and 350?

is 50 a factor of 150 and 350?

a	b
Yes	No

5

$63 = 3^2 \cdot 7$
$210 = 2 \cdot 3 \cdot 5 \cdot 7$
$462 = 2 \cdot 3 \cdot 7 \cdot 11$

Is 63 a factor of both 210 and 462?

is 63 a factor of 210 and 462?

a	b
Yes	No

6

$105 = 3 \cdot 5 \cdot 7$
$770 = 2 \cdot 5 \cdot 7 \cdot 11$
$546 = 2 \cdot 3 \cdot 7 \cdot 13$

Is 105 a factor of both 770 and 546?

is 105 a factor of 770 and 546?

a	b
Yes	No

7

$63 = 3^2 \cdot 7$
$90 = 2 \cdot 3^2 \cdot 5$
$462 = 2 \cdot 3 \cdot 7 \cdot 11$

Is 63 a factor of both 90 and 462?

is 63 a factor of 90 and 462?

a	b
Yes	No