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

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$42 = 2 \cdot 3 \cdot 7$

$21 = 3 \cdot 7$

$6 = 2 \cdot 3$

Is 42 a multiple of both 21 and 6?

is 42 a multiple of 21 and 6?

a	b
Yes	No

2

$42 = 2 \cdot 3 \cdot 7$

$14 = 2 \cdot 7$

$6 = 2 \cdot 3$

Is 42 a multiple of both 14 and 6?

is 42 a multiple of 14 and 6?

a	b
Yes	No

3

$125 = 5^3$

$15 = 3 \cdot 5$

$25 = 5^2$

Is 125 a multiple of both 15 and 25?

is 125 a multiple of 15 and 25?

a	b
Yes	No

4

$70 = 2 \cdot 5 \cdot 7$

$10 = 2 \cdot 5$

$35 = 5 \cdot 7$

Is 70 a multiple of both 10 and 35?

is 70 a multiple of 10 and 35?

a	b
Yes	No

5

$147 = 3 \cdot 7^2$

$49 = 7^2$

$21 = 3 \cdot 7$

Is 147 a multiple of both 49 and 21?

is 147 a multiple of 49 and 21?

a	b
Yes	No

6

$105 = 3 \cdot 5 \cdot 7$

$35 = 5 \cdot 7$

$21 = 3 \cdot 7$

Is 105 a multiple of both 35 and 21?

is 105 a multiple of 35 and 21?

a	b
Yes	No

7

$245 = 5 \cdot 7^2$

$49 = 7^2$

$35 = 5 \cdot 7$

Is 245 a multiple of both 49 and 35?

is 245 a multiple of 49 and 35?

a	b
Yes	No