Math worksheet on *'Prime Factorization - Is Number a Multiple - From Variable as Factors (Level 2)'*. Part of a broader unit on *'Factoring and Lowest Common Multiple - Practice'*

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1

$r = 2 \cdot 5^2 \cdot 7$ Is r a multiple of 130

$130 = 2 \cdot 5 \cdot 13$

is r a multiple of 130?

a	b
Yes	No

2

$p = 3 \cdot 5^2 \cdot 7$ Is p a multiple of 175

$175 = 5^2 \cdot 7$

is p a multiple of 175?

a	b
Yes	No

3

$c = 2^2 \cdot 3 \cdot 7$ Is c a multiple of 12

$12 = 2^2 \cdot 3$

is c a multiple of 12?

a	b
Yes	No

4

$b = 2 \cdot 3 \cdot 5^2$ Is b a multiple of 75

$75 = 3 \cdot 5^2$

is b a multiple of 75?

a	b
Yes	No

5

$z = 5^3 \cdot 7$ Is z a multiple of 275

$275 = 5^2 \cdot 11$

is z a multiple of 275?

a	b
Yes	No

6

$z = 2 \cdot 3^2 \cdot 5$ Is z a multiple of 30

$30 = 2 \cdot 3 \cdot 5$

is z a multiple of 30?

a	b
Yes	No

7

$b = 3^2 \cdot 5 \cdot 7$ Is b a multiple of 105

$105 = 3 \cdot 5 \cdot 7$

is b a multiple of 105?

a	b
Yes	No