mobius

Prime Factorization - Is Number a Multiple - From Variable as Factors

1

$$n = 3 \cdot 5^2$$

Is n a multiple of 35

$$35 = 5 \cdot 7$$

is n a multiple of 35?

A	B
Yes	No

2

$$m = 2 \cdot 3 \cdot 7$$

Is m a multiple of 21

$$21 = 3 \cdot 7$$

is m a multiple of 21?

A	B
Yes	No

3

$$d = 2 \cdot 3 \cdot 7$$

Is d a multiple of 21

$$21 = 3 \cdot 7$$

is d a multiple of 21?

A	B
Yes	No

4

$$z = 2 \cdot 7^2$$

Is z a multiple of 49

$$49 = 7^2$$

is z a multiple of 49?

A	B
Yes	No

5

$$y = 3 \cdot 5 \cdot 7$$

Is y a multiple of 35

$$35 = 5 \cdot 7$$

is y a multiple of 35?

A	B
Yes	No

6

$$b = 3 \cdot 5 \cdot 7$$

Is b a multiple of 14

$$14 = 2 \cdot 7$$

is b a multiple of 14?

A	B
Yes	No

7

$$c = 3 \cdot 5 \cdot 7$$

Is c a multiple of 51

$$51 = 3 \cdot 17$$

is c a multiple of 51?

A	B
Yes	No

8

$$d = 5 \cdot 7^2$$

Is d a multiple of 21

$$21 = 3 \cdot 7$$

is d a multiple of 21?

A	B
Yes	No