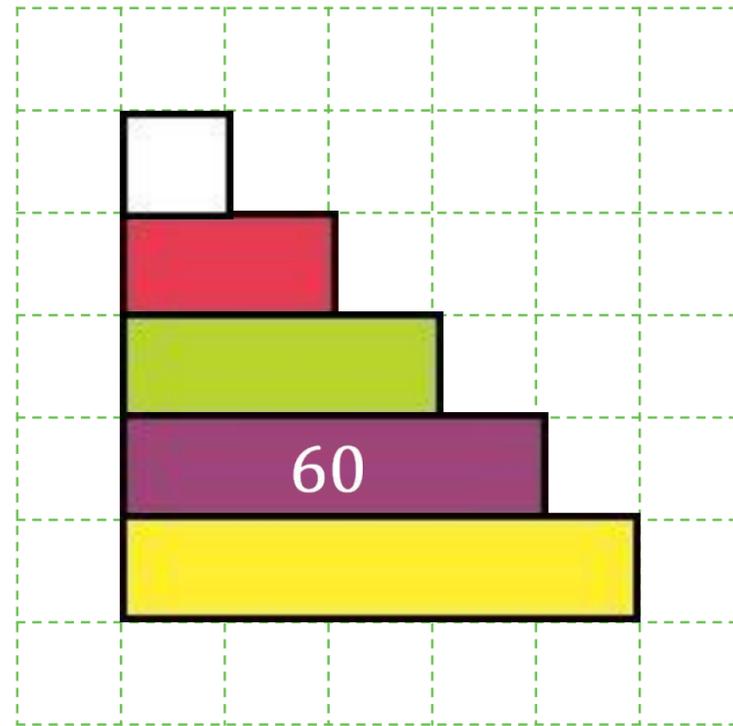Mathematics

Lowest common multiple

Mr Coward

Try this

Find the value of the remaining rods:

Select a different value for the purple rod and repeat.

Independent task

1) List the first 12 multiples of:
a) 12   b) 9   c) 7   d) 21

2) Identify the lowest common multiple of:
a) 12 and 9 b) 12 and 7 c) 12 and 21   d) 21 and 7 e) 21 and 9   f) 9 and 7

3) Find three examples of a pair of numbers that have a LCM of
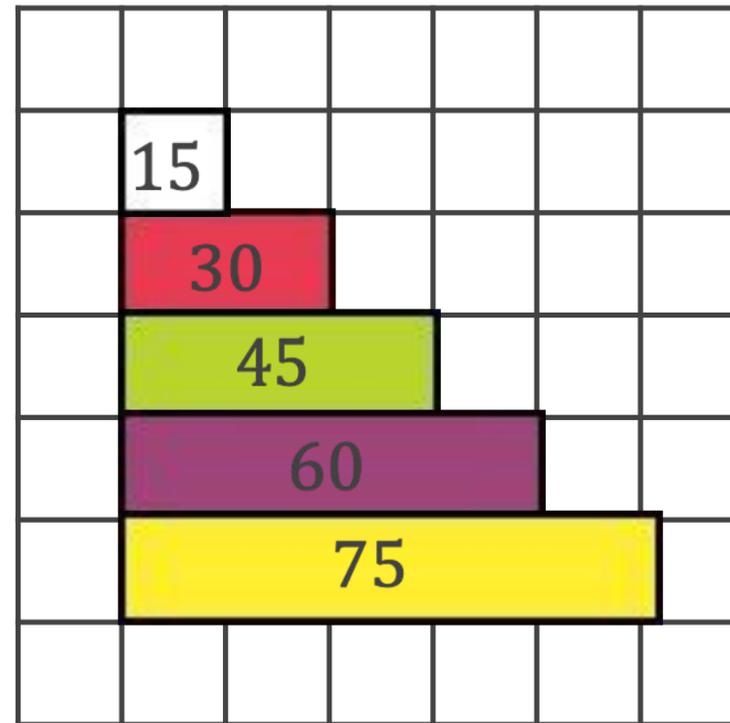a) 15   b) 21   c) 30   d) 36

4) A cicada lives underground and appears every 17 years. A predator of the cicada appears every 4 years. If they hide at the same time, how long will it be before they appear again at the same time?

Explore

Select two of the numbers and find their lowest common multiple:

Repeat this for all the other pairs.

Now choose a different set of numbers, what do you notice?

Explore