

Factor bugs, stingers and silkworms

What is a factor?

A factor is a number that divides into another number exactly and without leaving a remainder.

For example:

24 ÷ 8 = 3

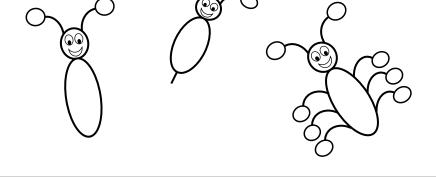
8 is a factor of 24, as it divides exactly without a remainder

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Most numbers have an even number of factors.

12 has 6 factors.

1, 2, 3, 4, 6 and 12.

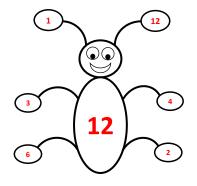


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Drawing factor bugs is a great way to find and record factors.

I always put 1 and the number in the bug's antennae, then the remaining factors at the end of each leg.

This is what a 12 factor bug looks like.



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An activity/investigation for Year 5 and Year 6 (10 and 11 year olds).

Give the children a 100 square.

Ask them to pick a number and work out how many factors it has. Record it. Will it be a factor bug, a stinger or a silkworm?

After trying out several numbers, can the children predict which numbers will be factor bugs, stingers or silkworms?

