

Draw a loop around the repeating unit in each line.
Your loop starts where the unit starts and ends where it ends.



Then draw a second loop around the next group that is exactly the same.

All four lines are the same pattern.

Draw a loop around a different repeating unit on each line.



Every loop you drew repeats, so every one of them works.

Put a tick on the shortest loop. That one is the unit.

Say why the shortest one is the most useful.

**Each line has a loop around its repeating unit.
Count the shapes inside the loop and write how many.**



Shapes in the unit _____



Shapes in the unit _____



Shapes in the unit _____



Shapes in the unit _____

All four lines are the same length, but the units are not all the same length.

Say why the length of the line does not decide the length of the unit.

Each line has a unit of three shapes or four shapes.
Draw a loop around the unit. Then circle how long it is.



3 shapes

4 shapes



3 shapes

4 shapes



3 shapes

4 shapes



3 shapes

4 shapes

**These lines do not begin at the start of their unit.
Draw a loop around the first whole unit in each line.**



These two lines were built from the same unit. One of them begins part way through it.



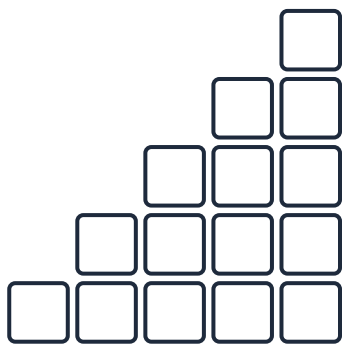
Do these two lines have the same repeating unit? Circle yes or no.

yes

no

Only some of these lines repeat.

Put a tick on each line that repeats. Draw a cross on each line that does not.



Join each line you crossed out to the reason it does not repeat.

It grows by one more each time instead of repeating.

It has no part that ever comes again.

It is too long to be a pattern.