

Student Workbook

Working on growing visual patterns

Quadratic Patterns Pack

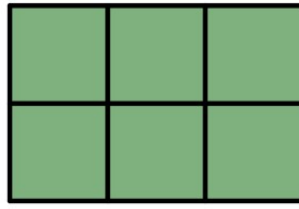


All patterns are taken from the
visual patterns pack available on
www.projectmaths.ie

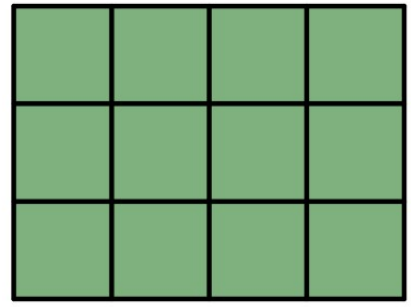
Pattern 1



Stage 1



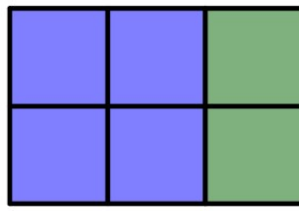
Stage 2



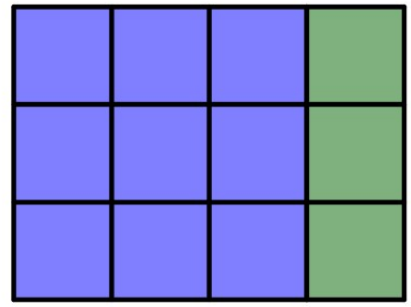
Stage 3



Stage 1

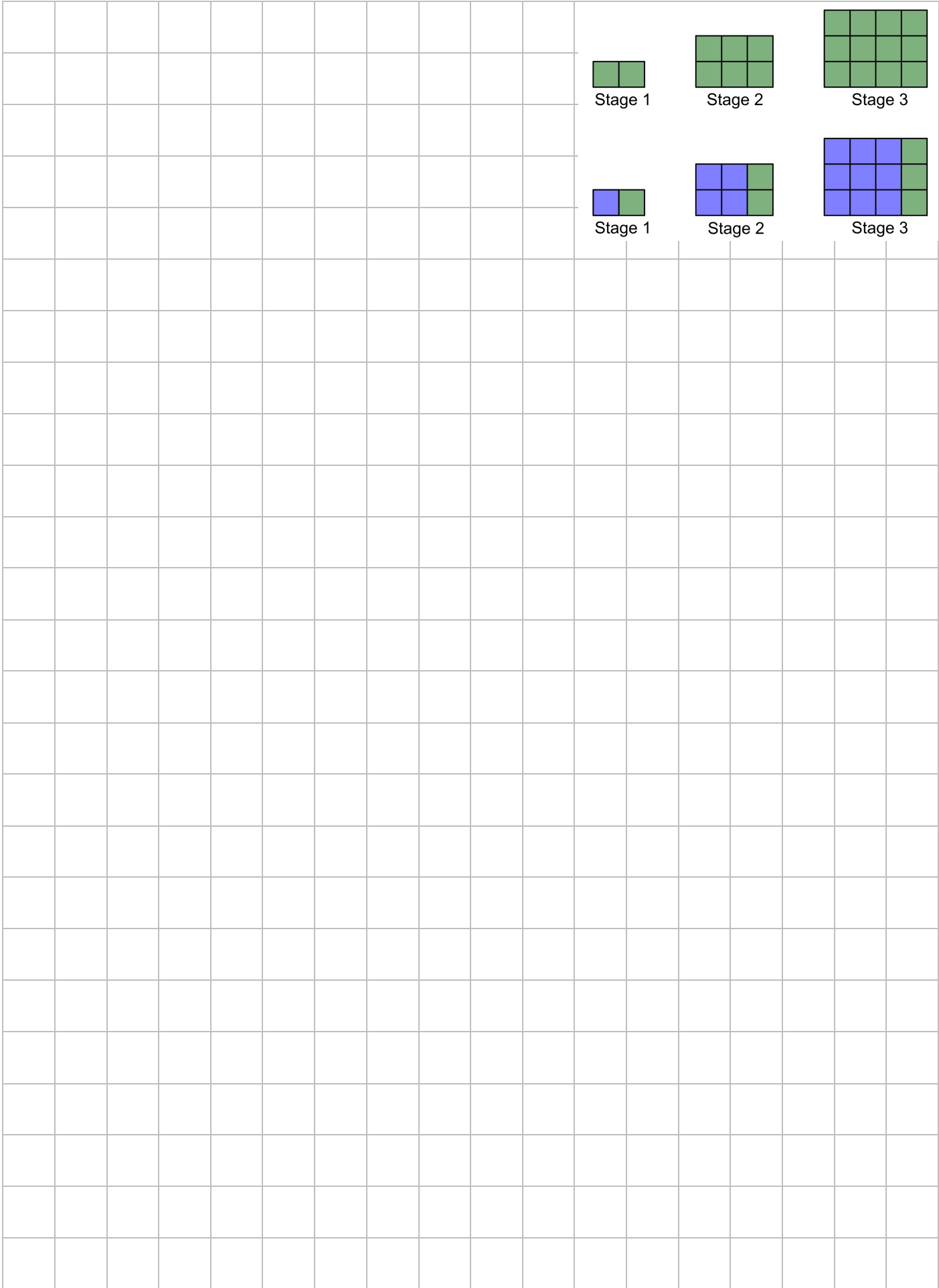


Stage 2



Stage 3

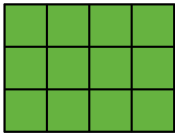




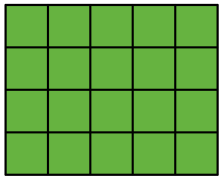




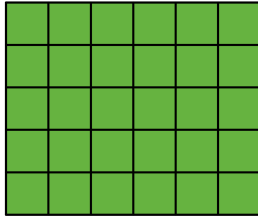
Pattern 2



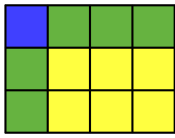
Stage 1



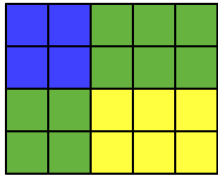
Stage 2



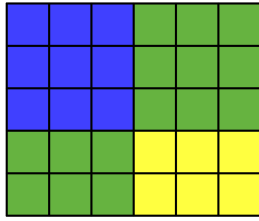
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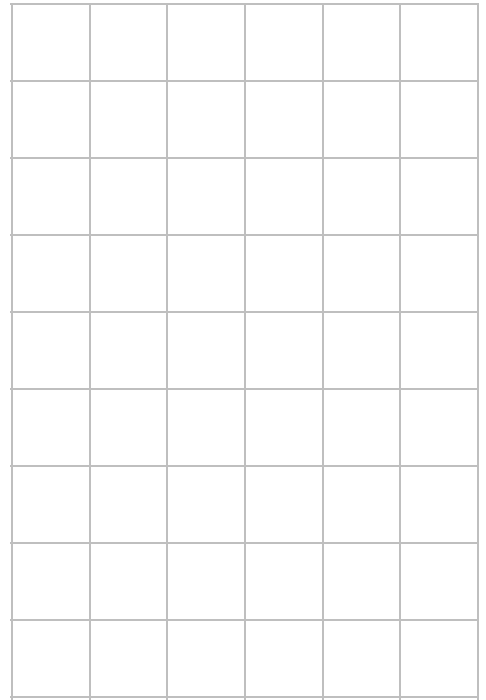
Stage 1

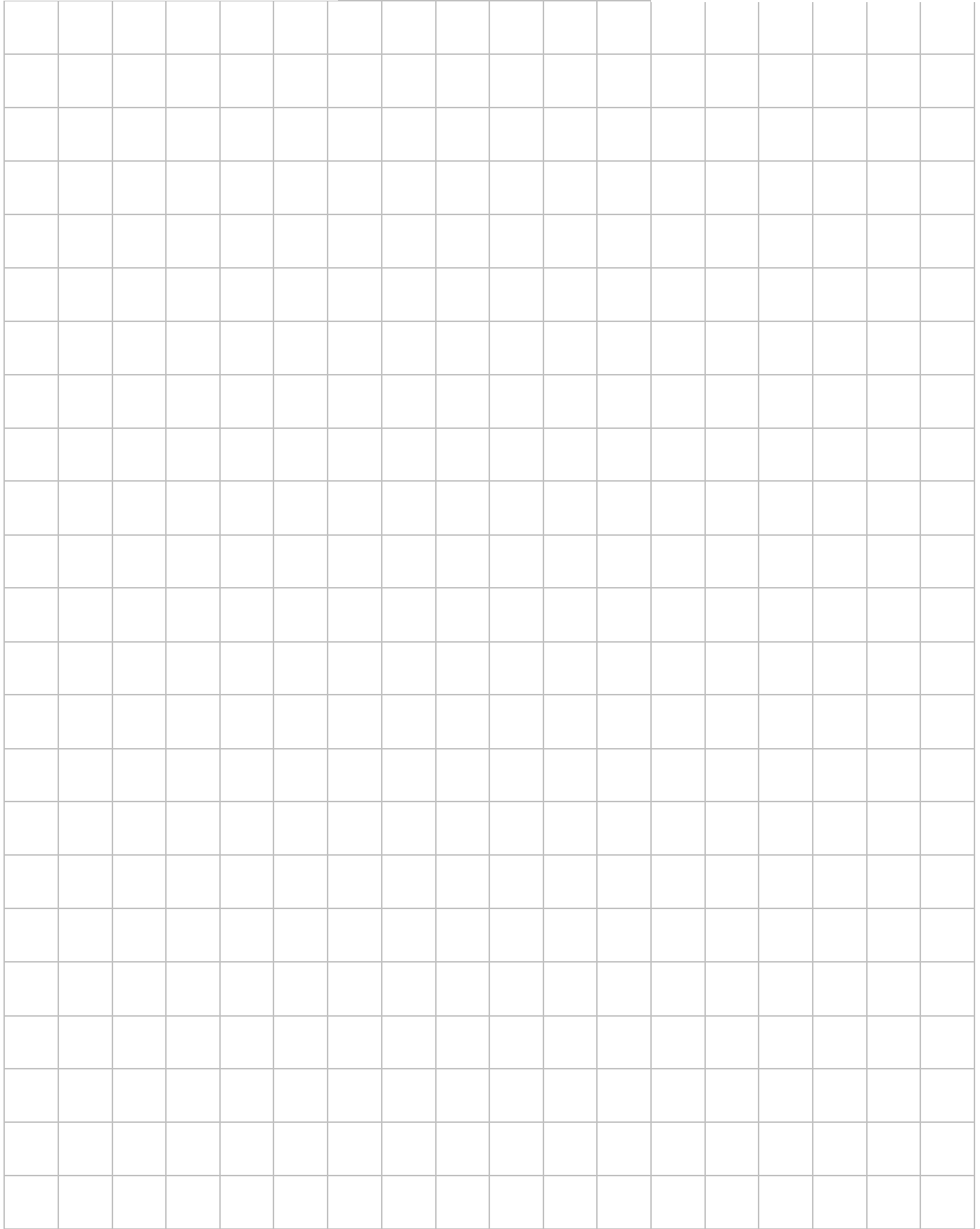
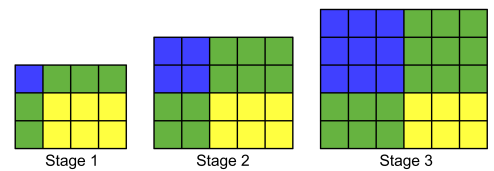
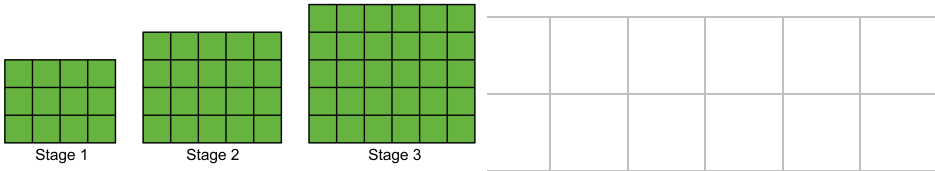


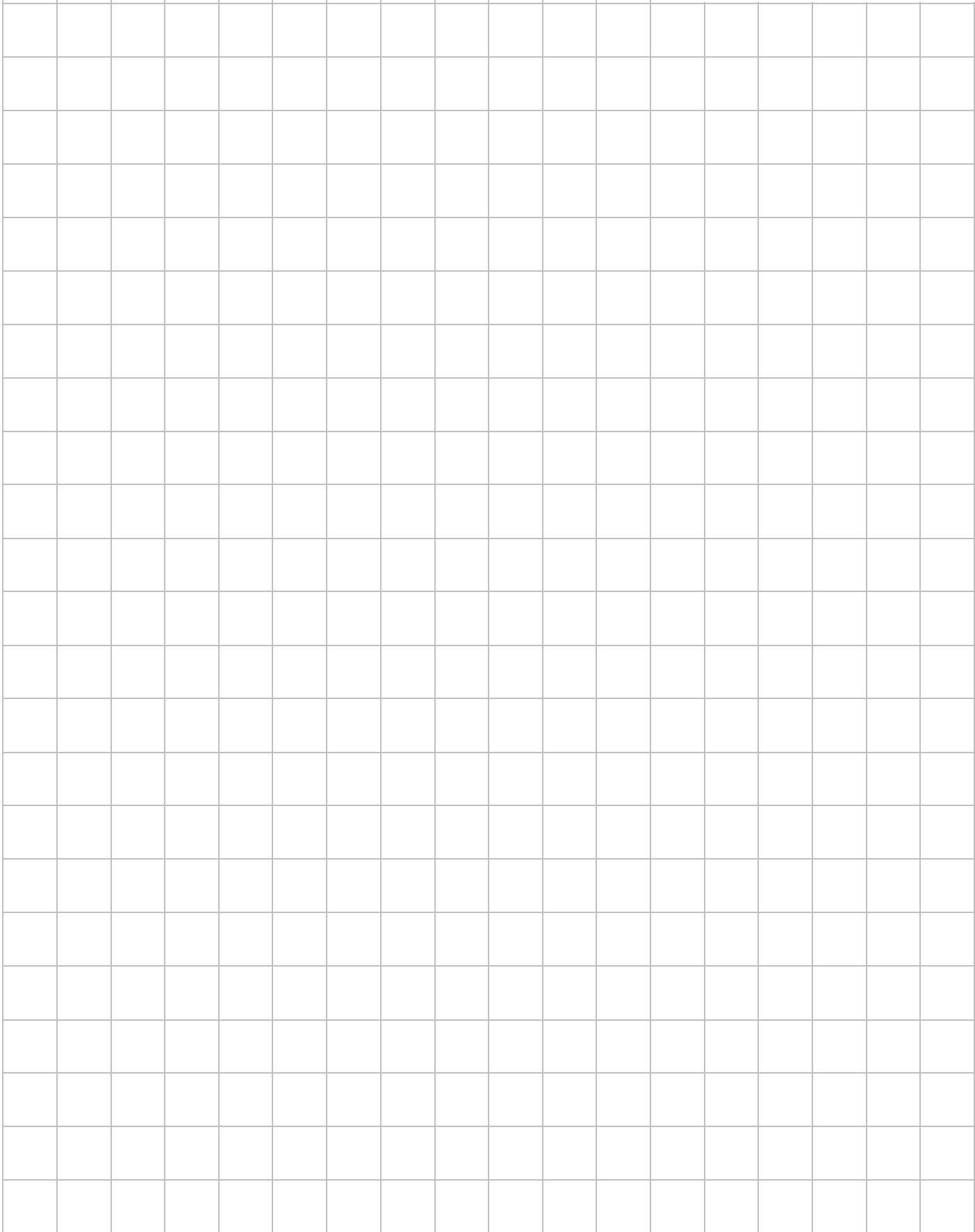
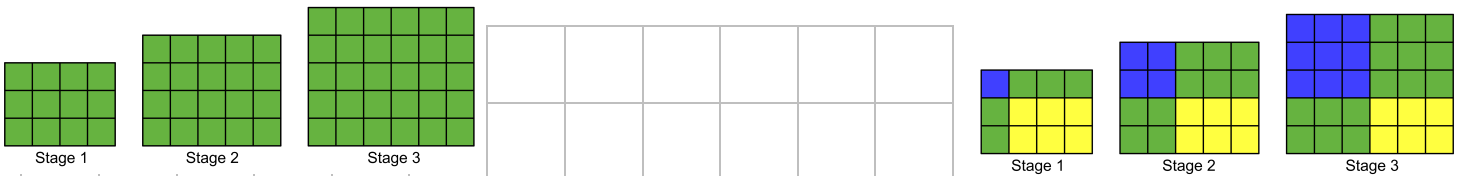
Stage 2



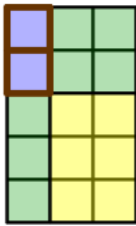
Stage 3



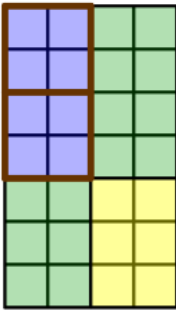




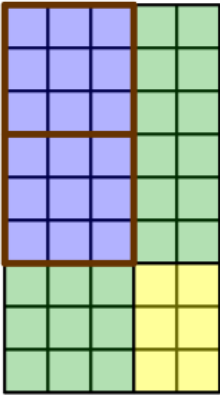
Pattern 3



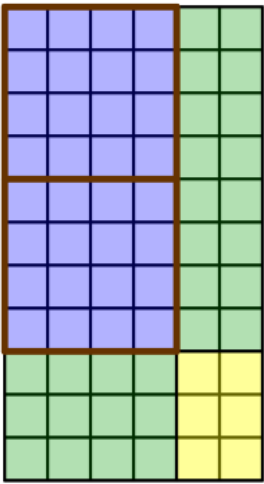
Stage 1



Stage 2

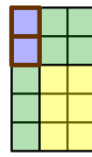


Stage 3

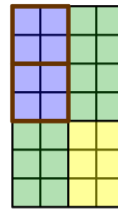


Stage 4

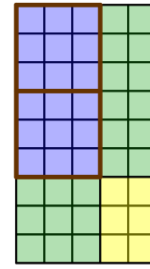




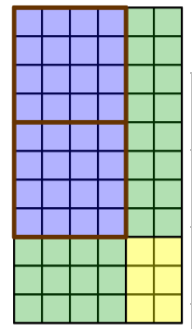
Stage 1



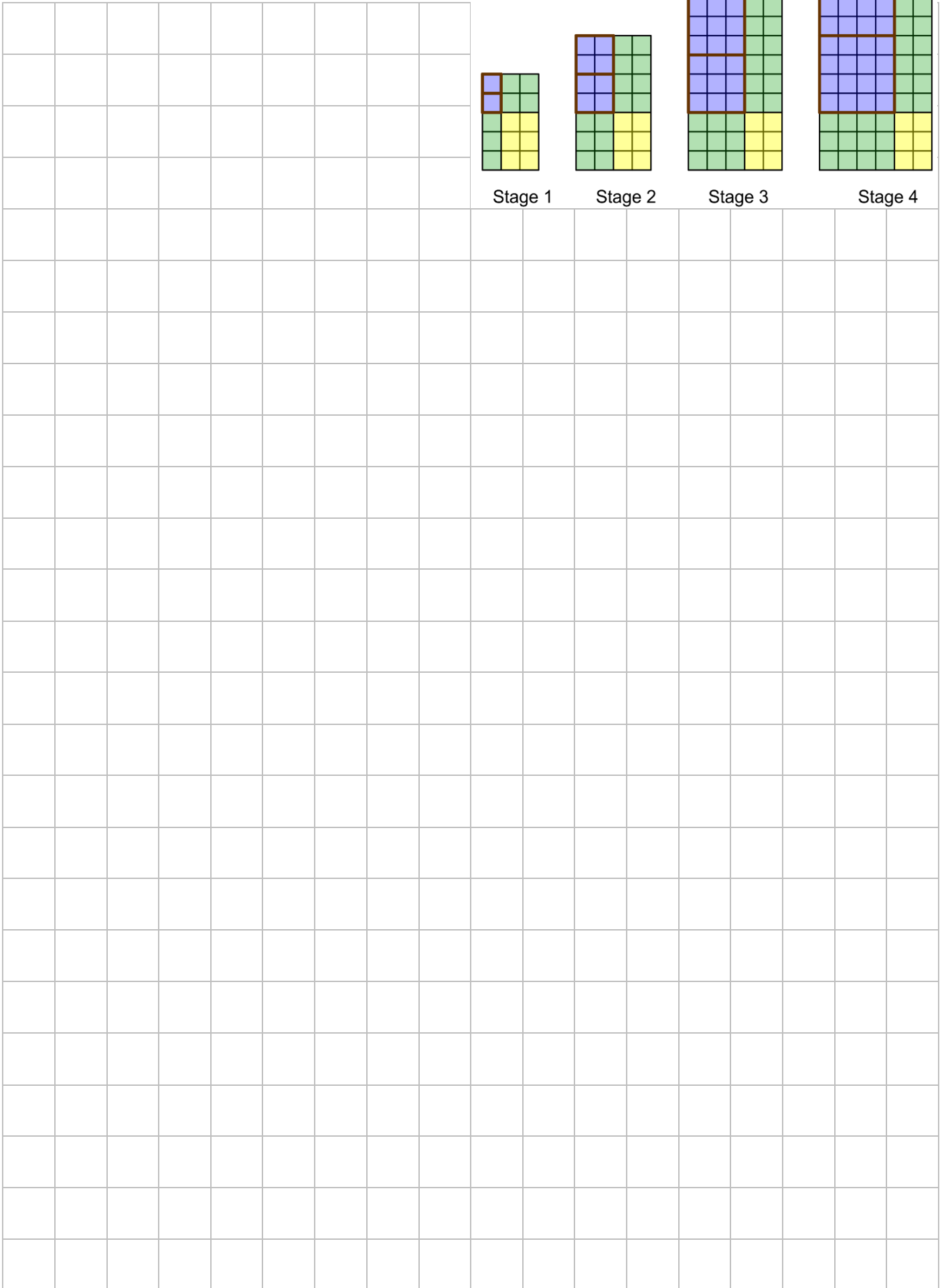
Stage 2



Stage 3



Stage 4

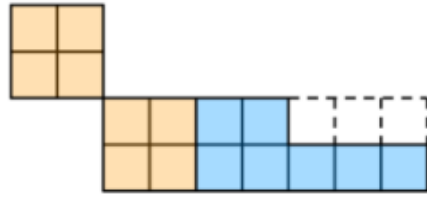




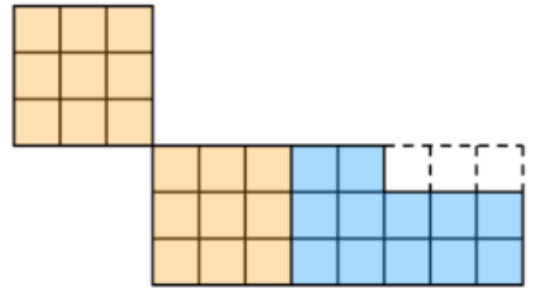
Pattern 4



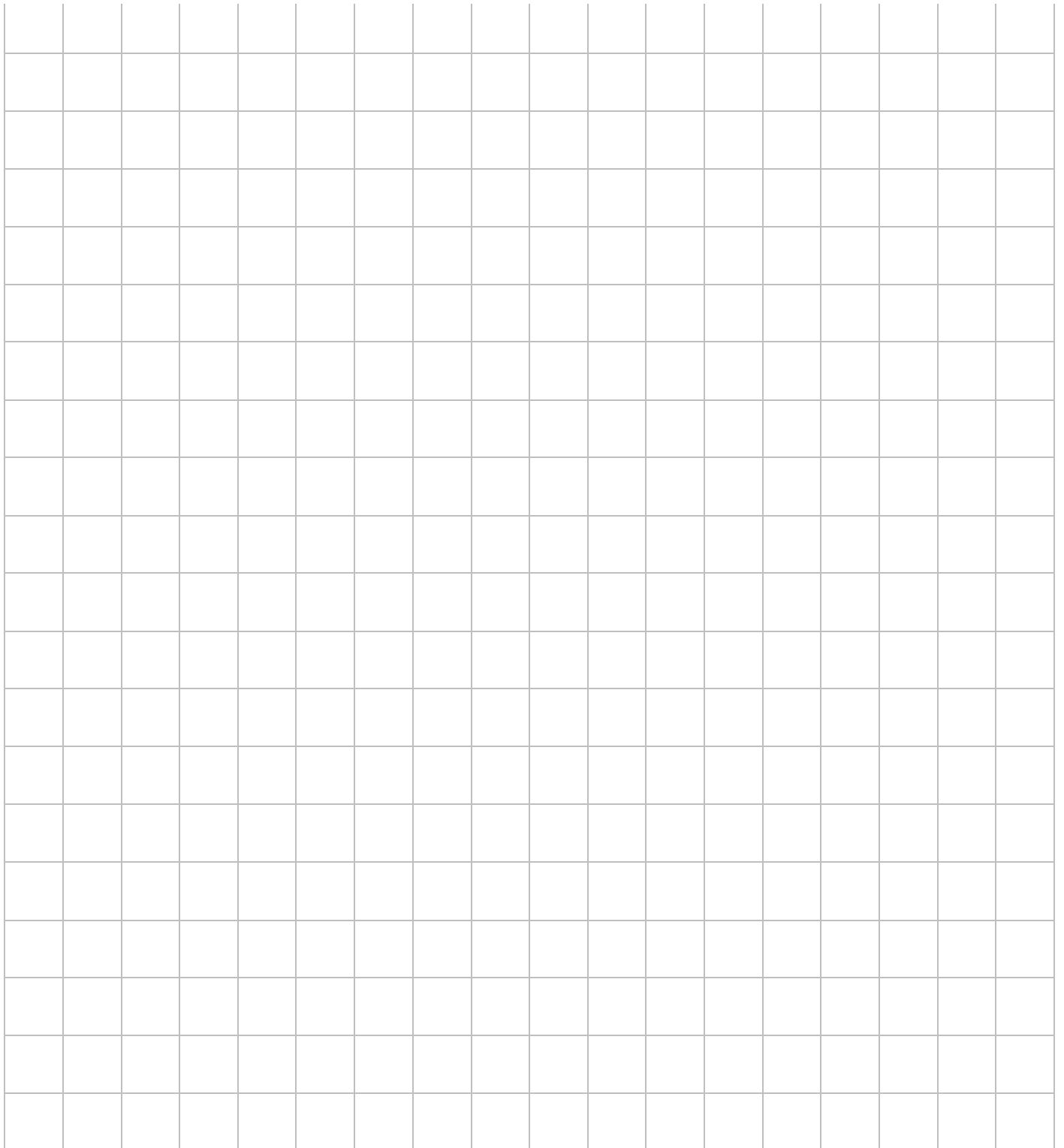
Stage 1

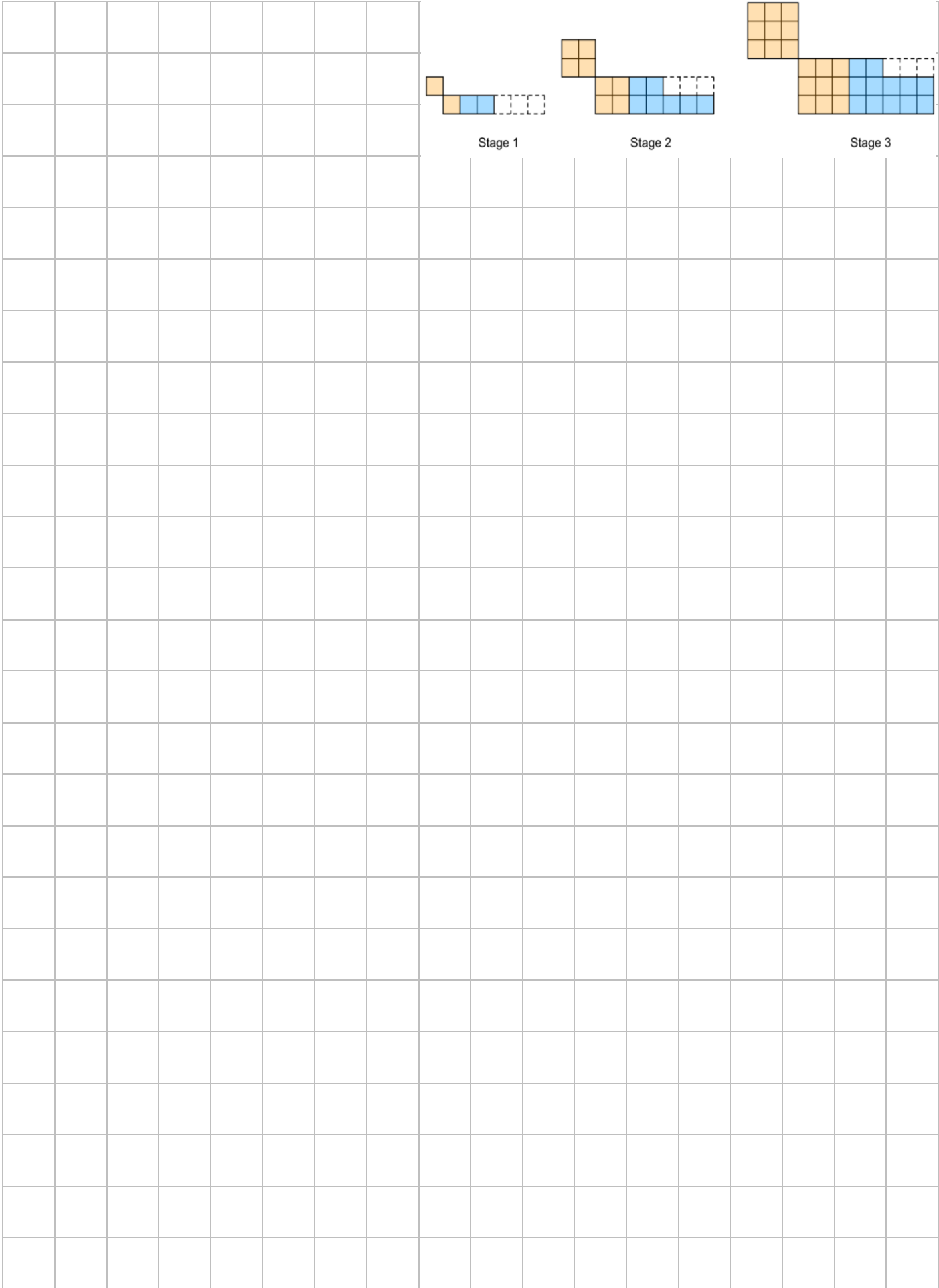


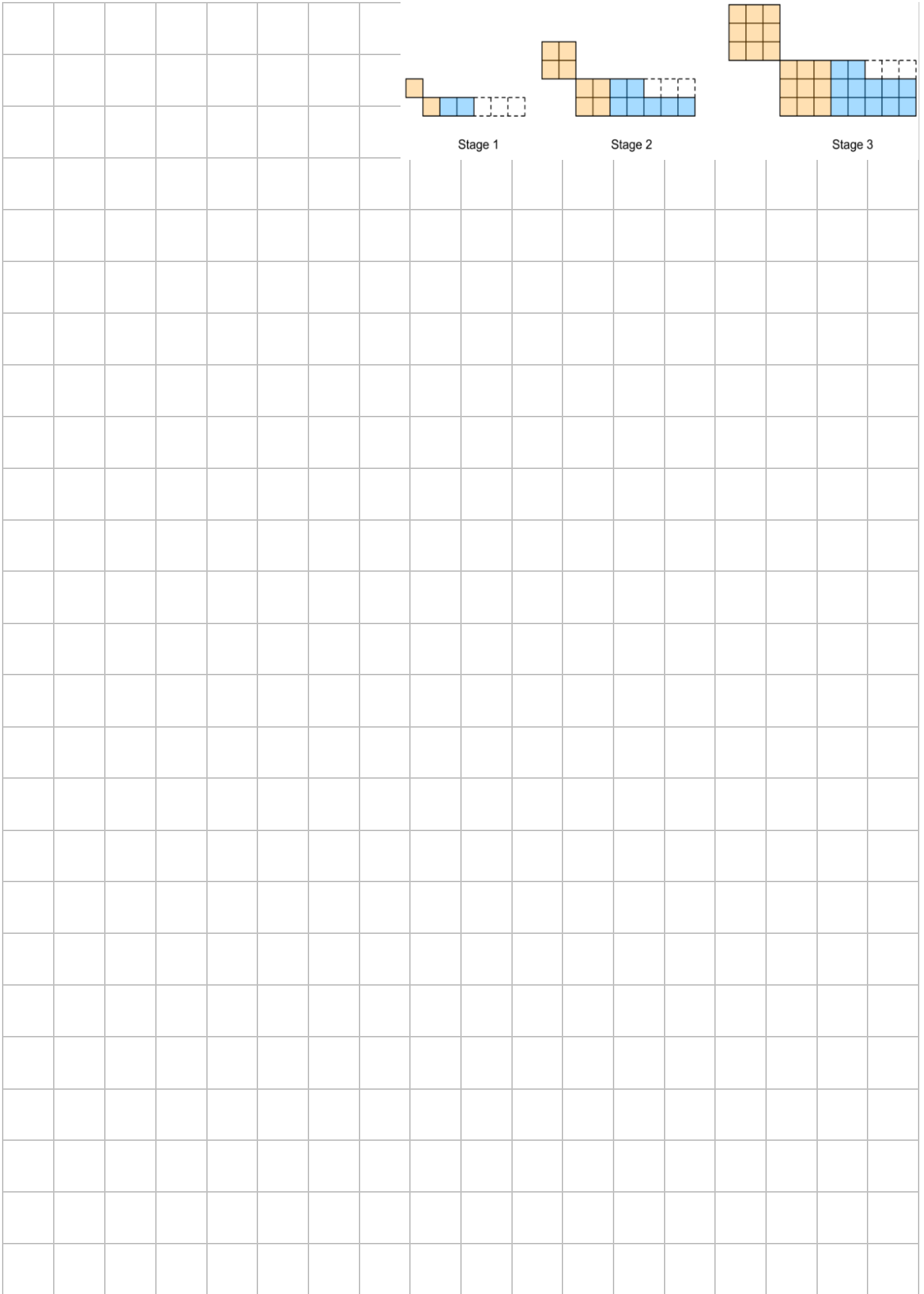
Stage 2

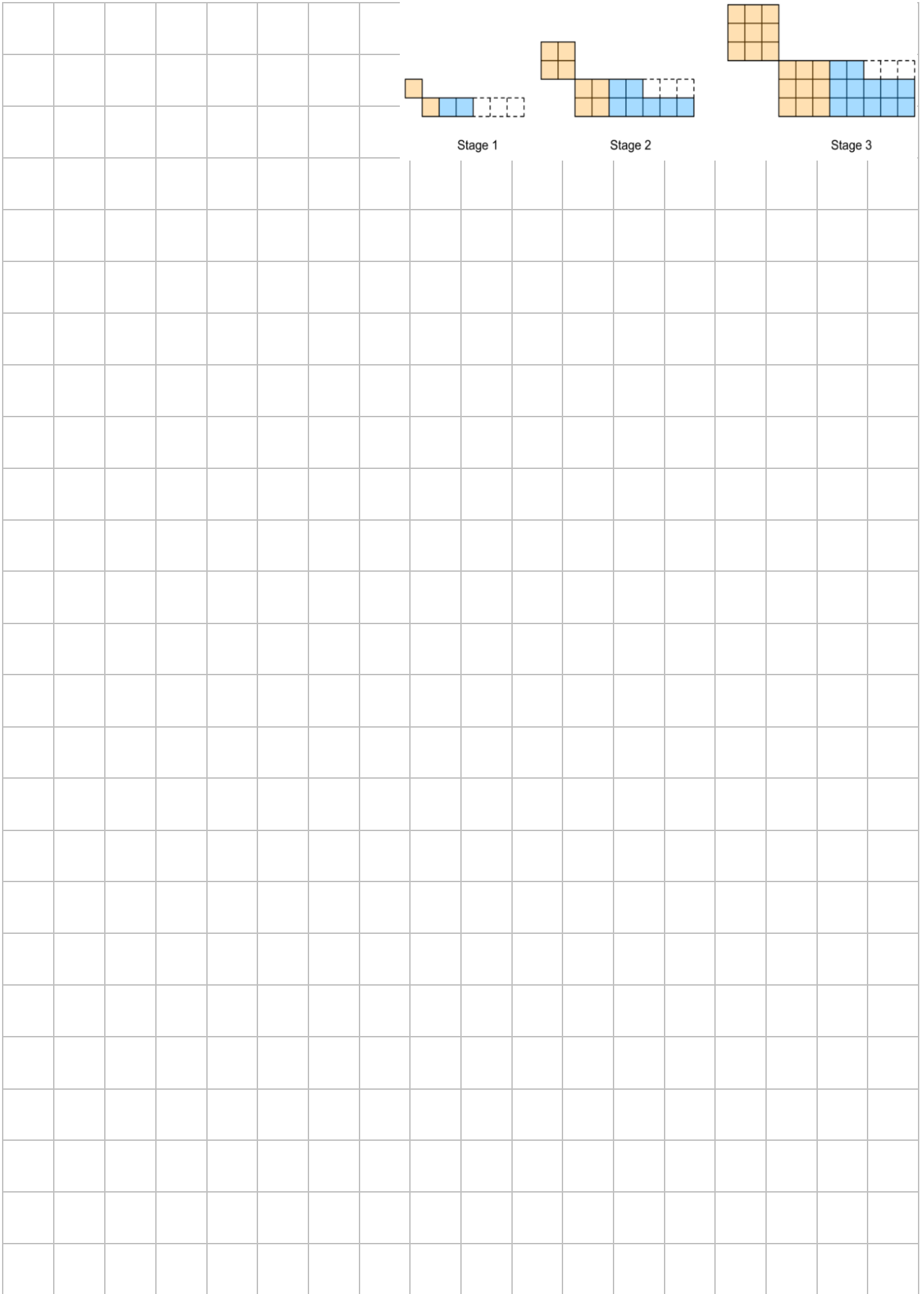


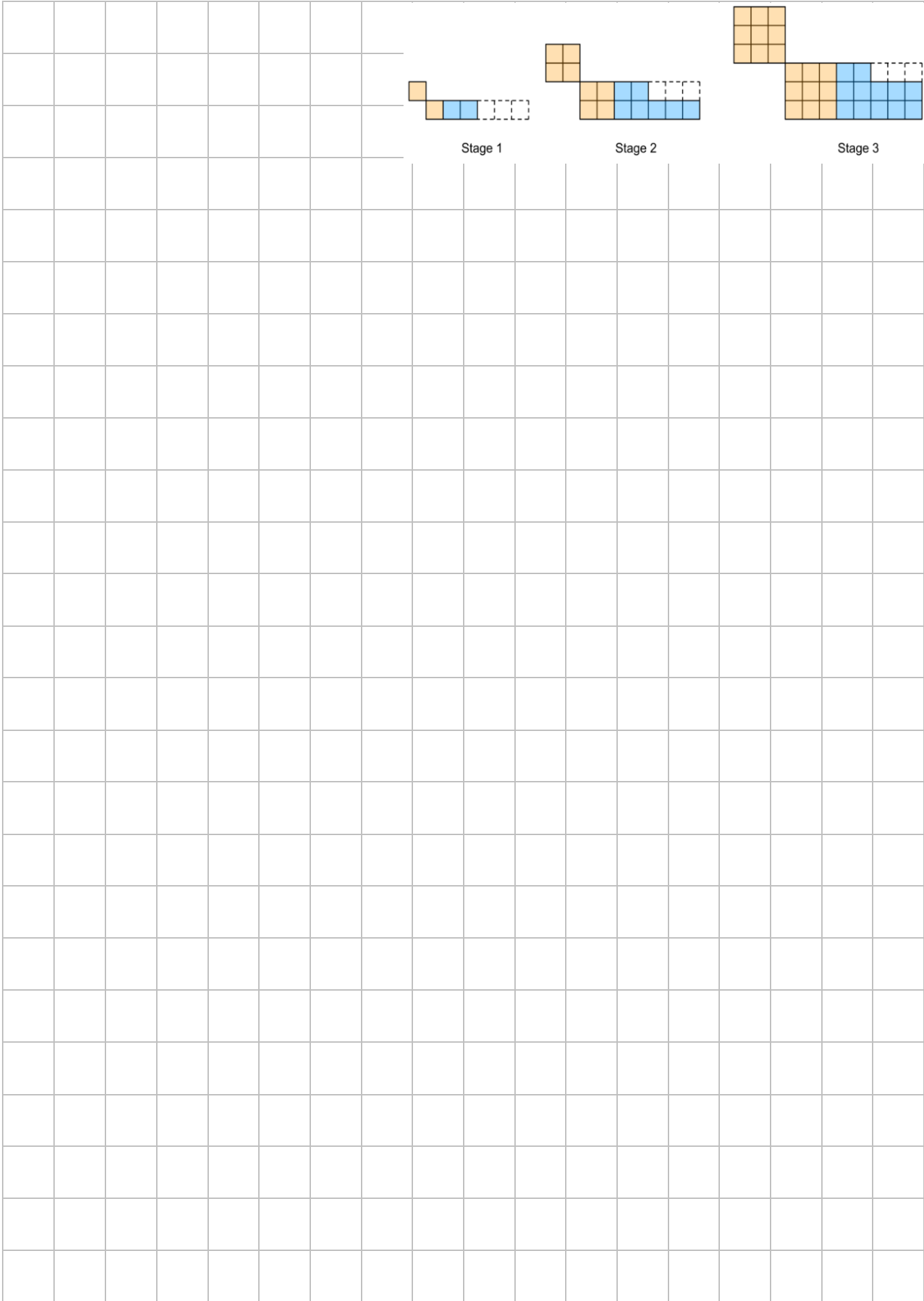
Stage 3











Pattern 5



Fig. 1



Fig. 2

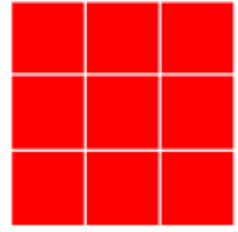
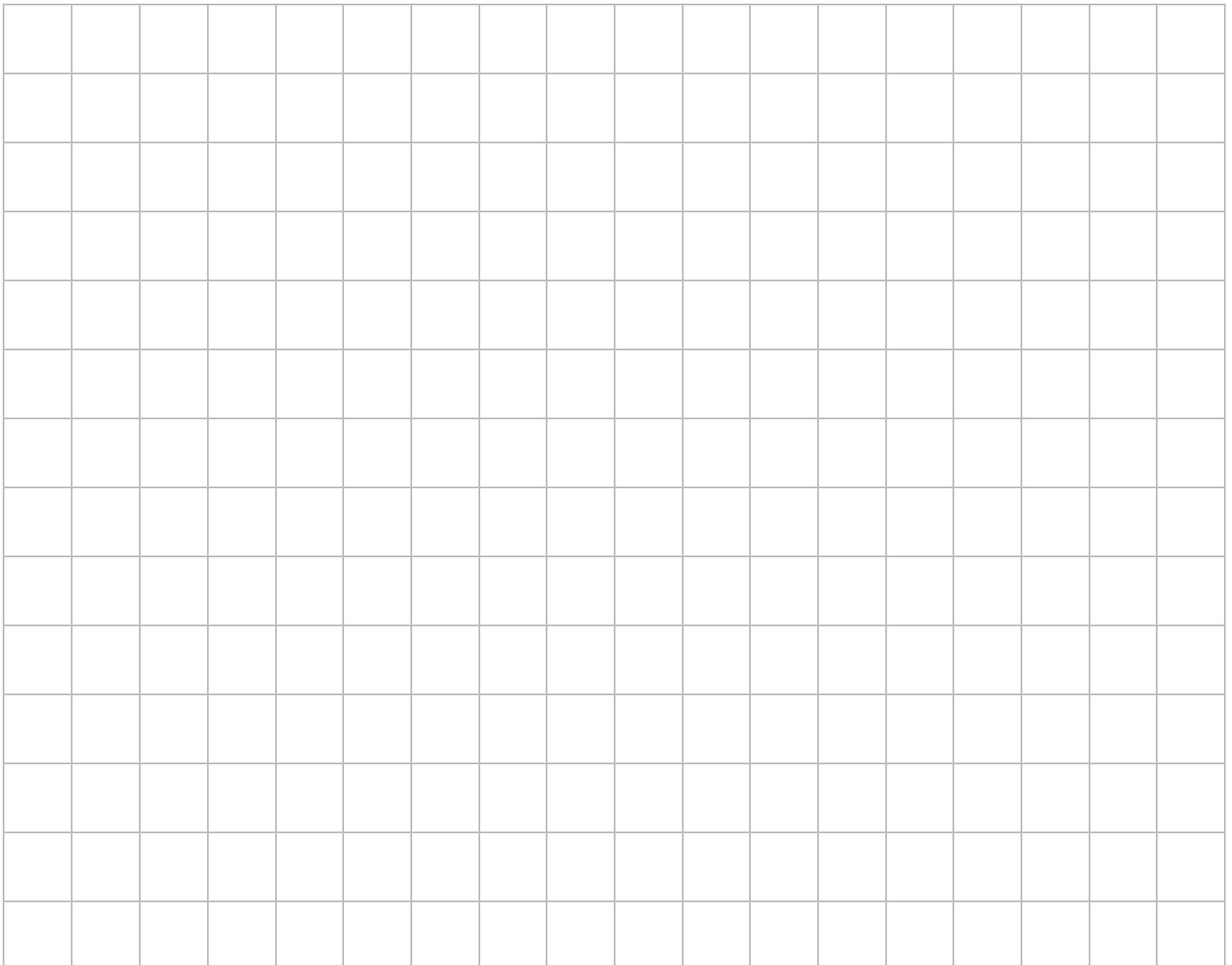


Fig. 3



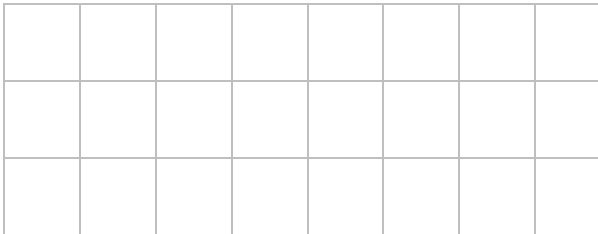


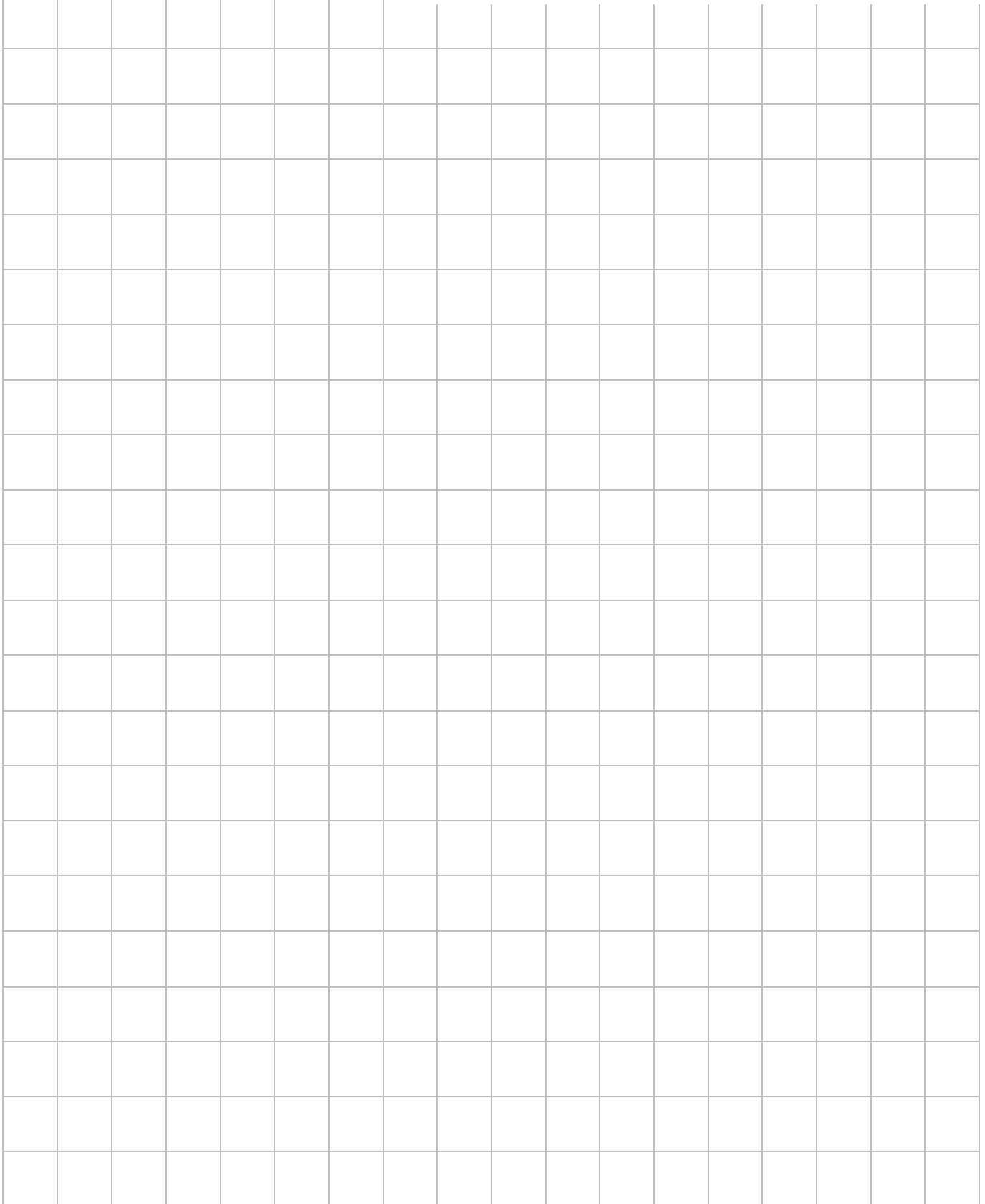
Fig. 1



Fig. 2



Fig. 3



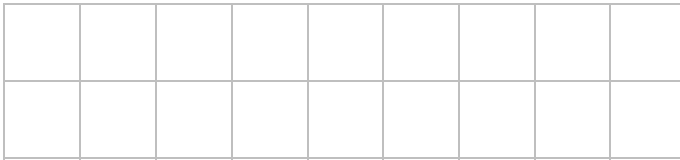


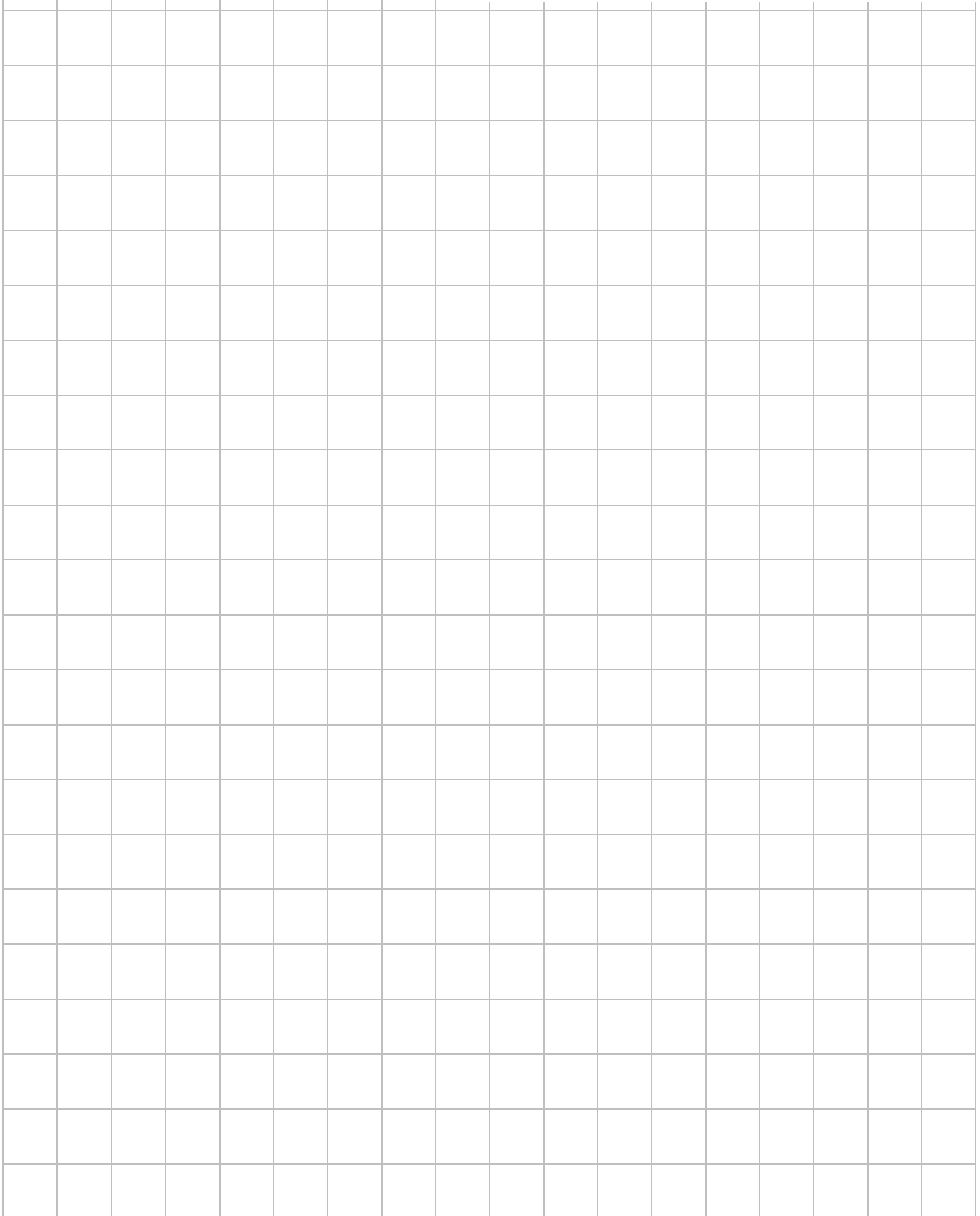
Fig. 1



Fig. 2



Fig. 3



Pattern 6



Fig. 1

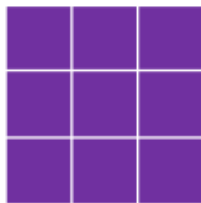


Fig. 2

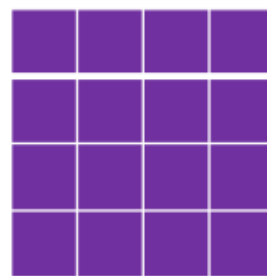


Fig. 3





Fig. 1



Fig. 2

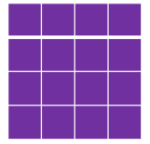


Fig. 3

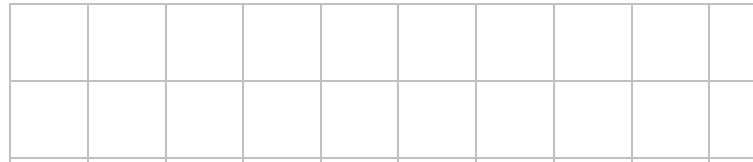


Fig. 1

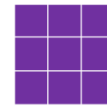


Fig. 2

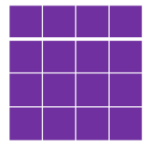


Fig. 3

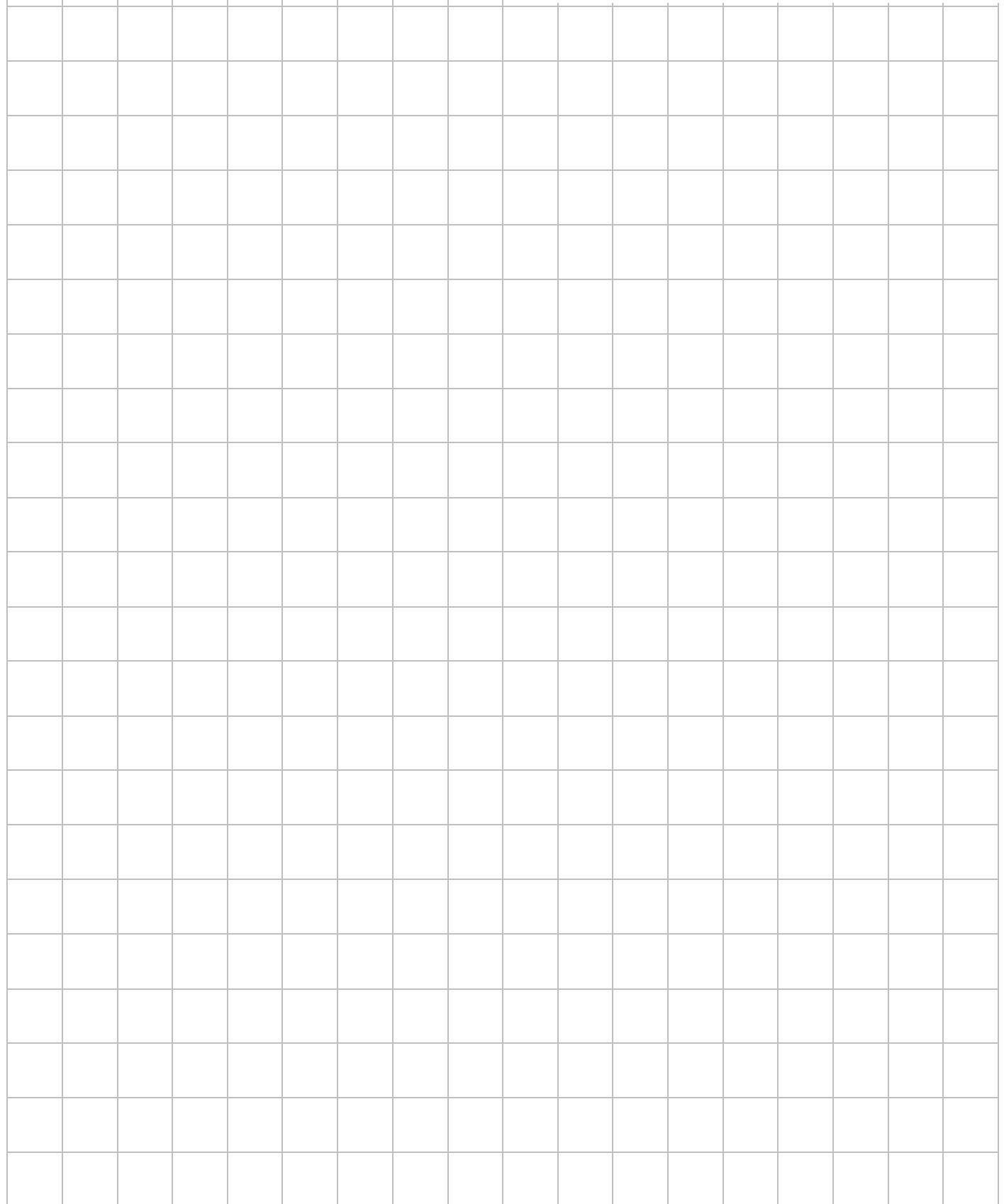




Fig. 1

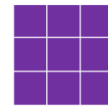


Fig. 2

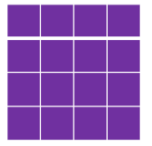


Fig. 3

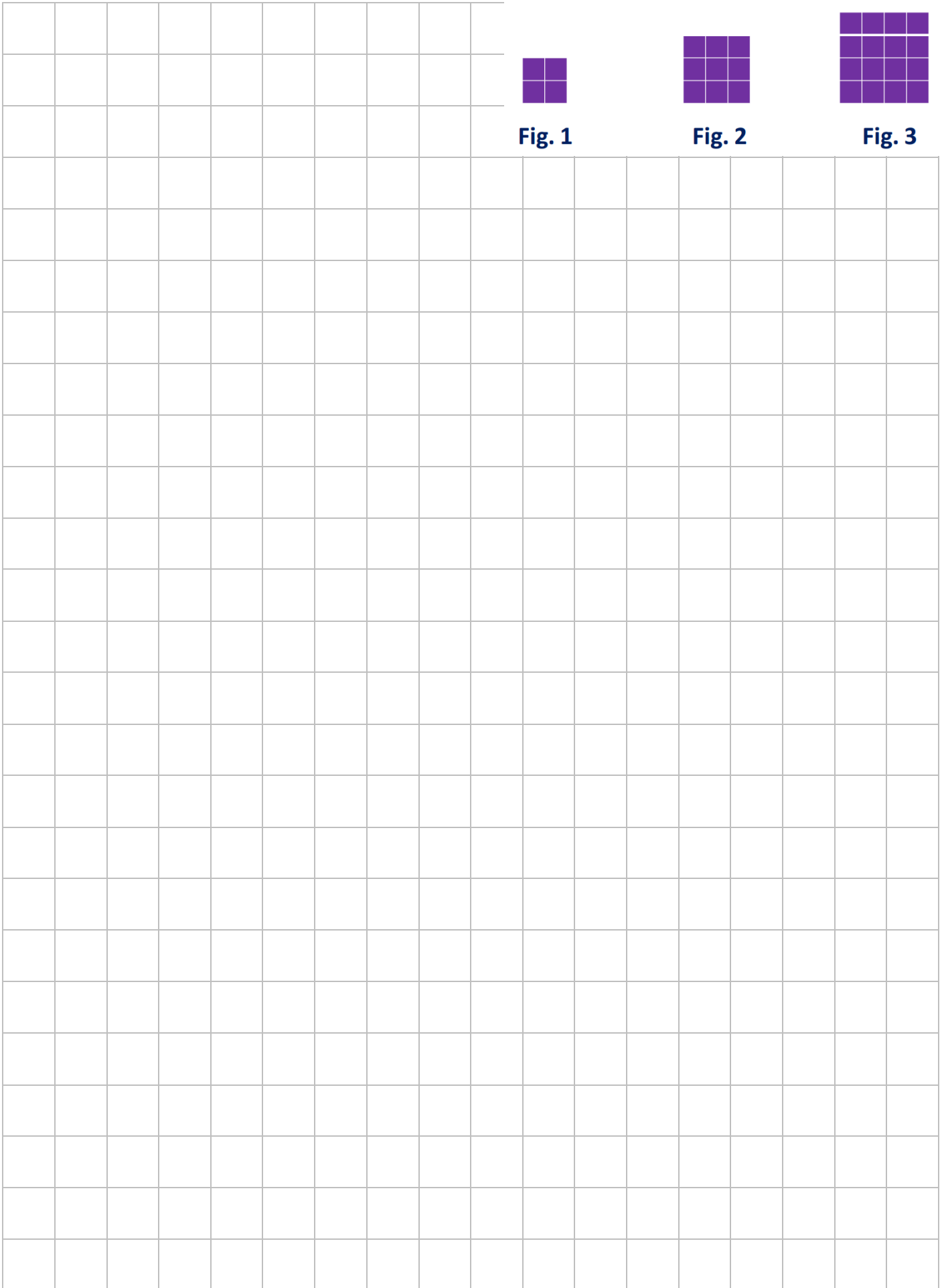




Fig. 1

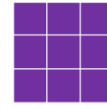


Fig. 2

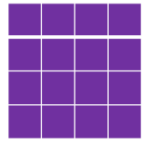


Fig. 3



Fig. 1



Fig. 2

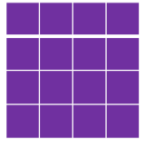
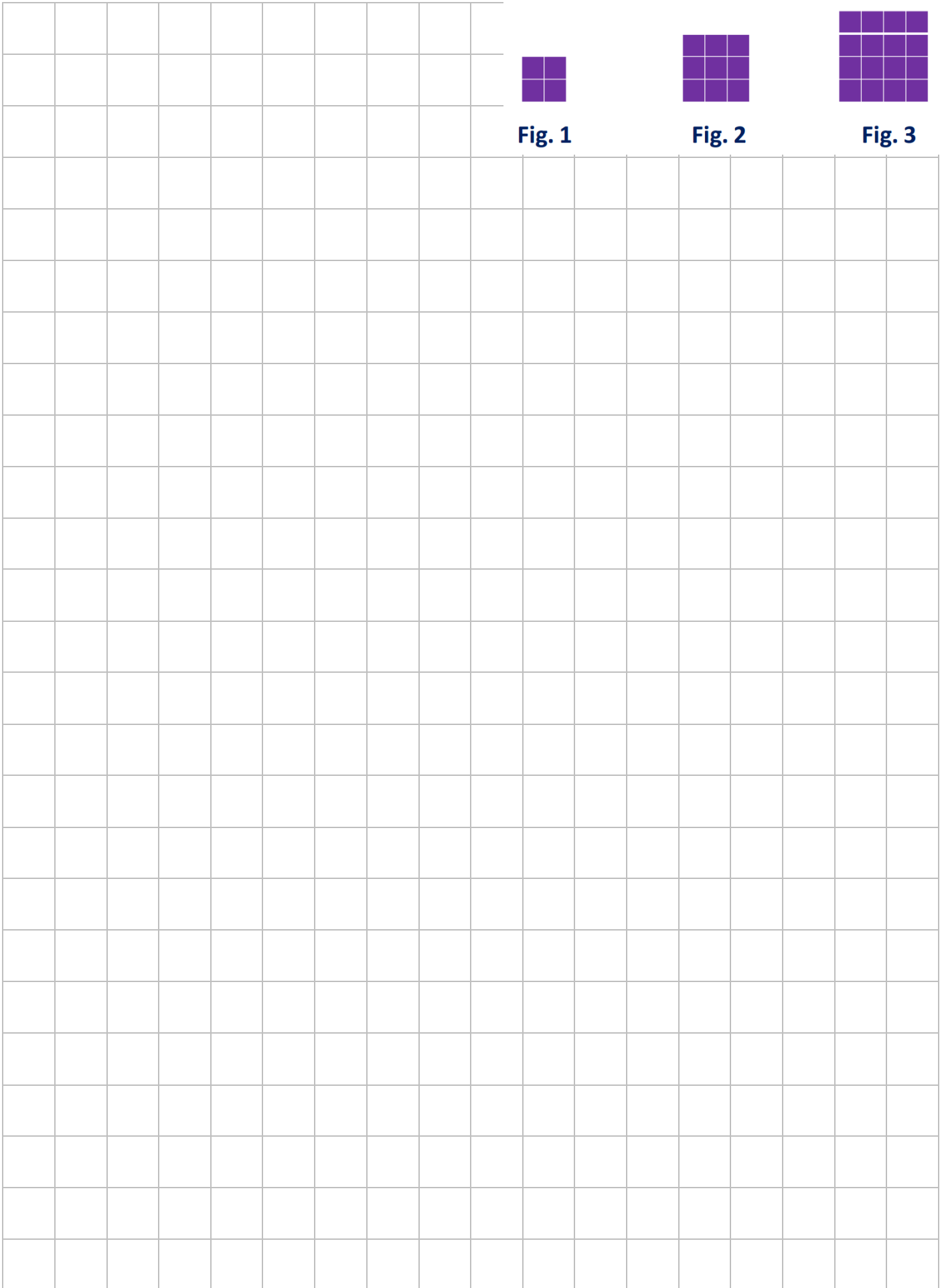
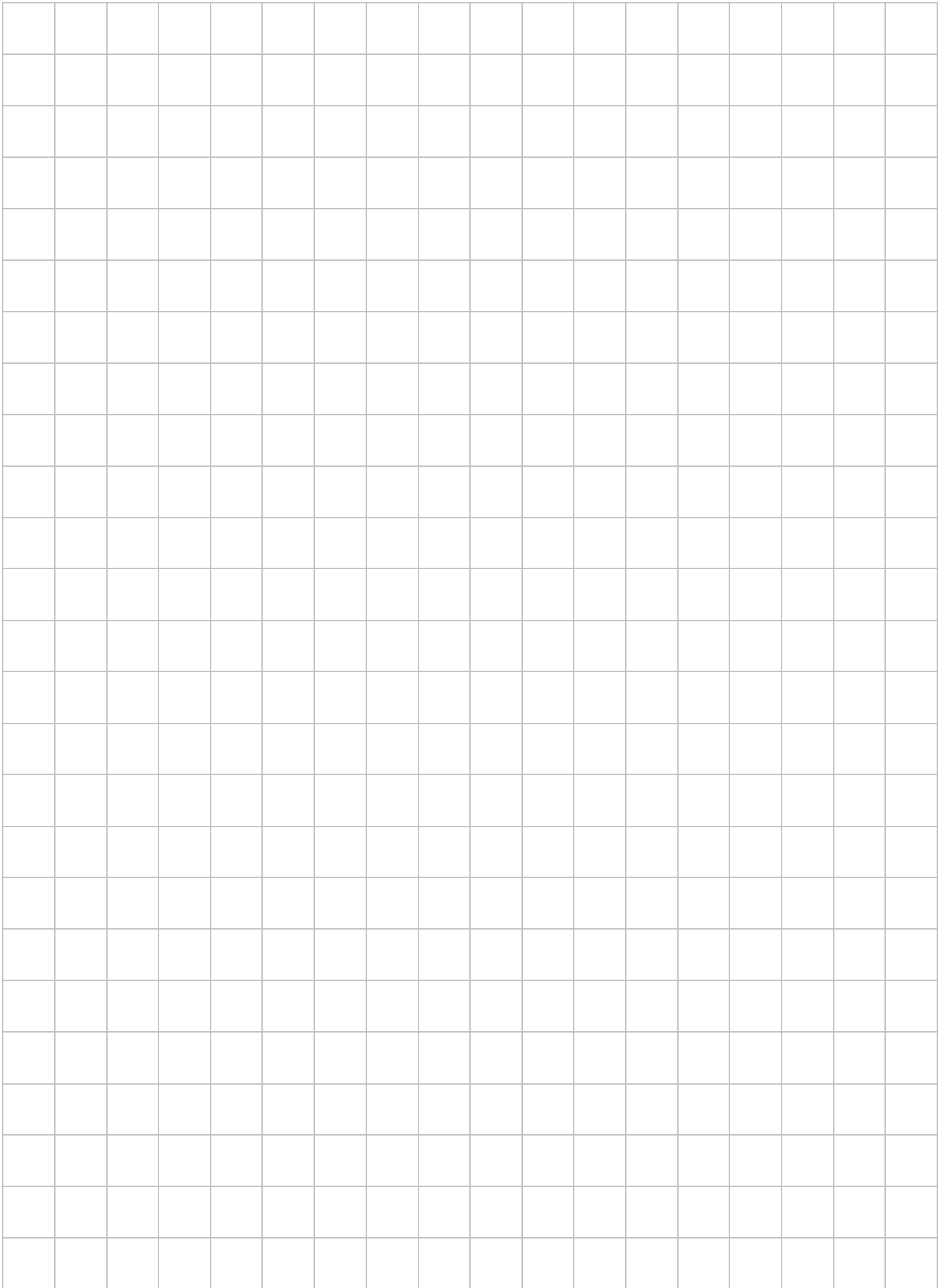


Fig. 3





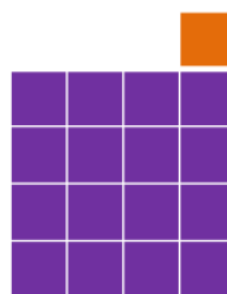
Pattern 7



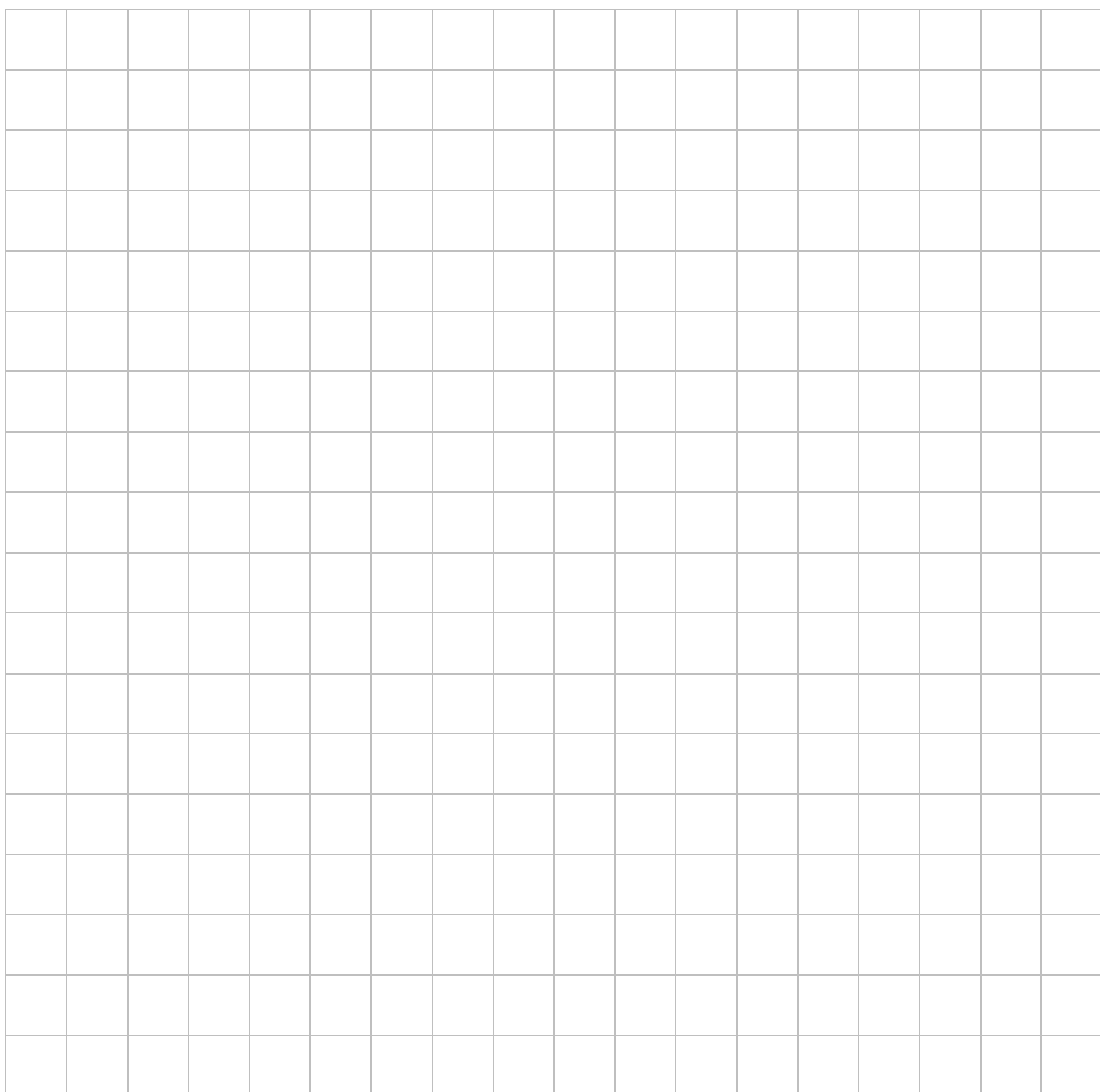
Pattern 1

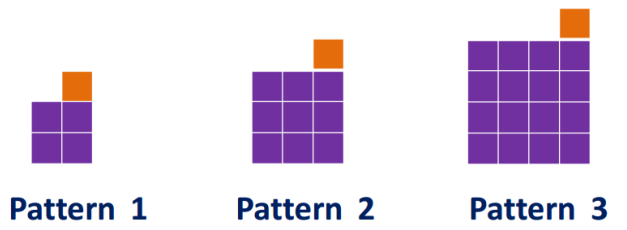


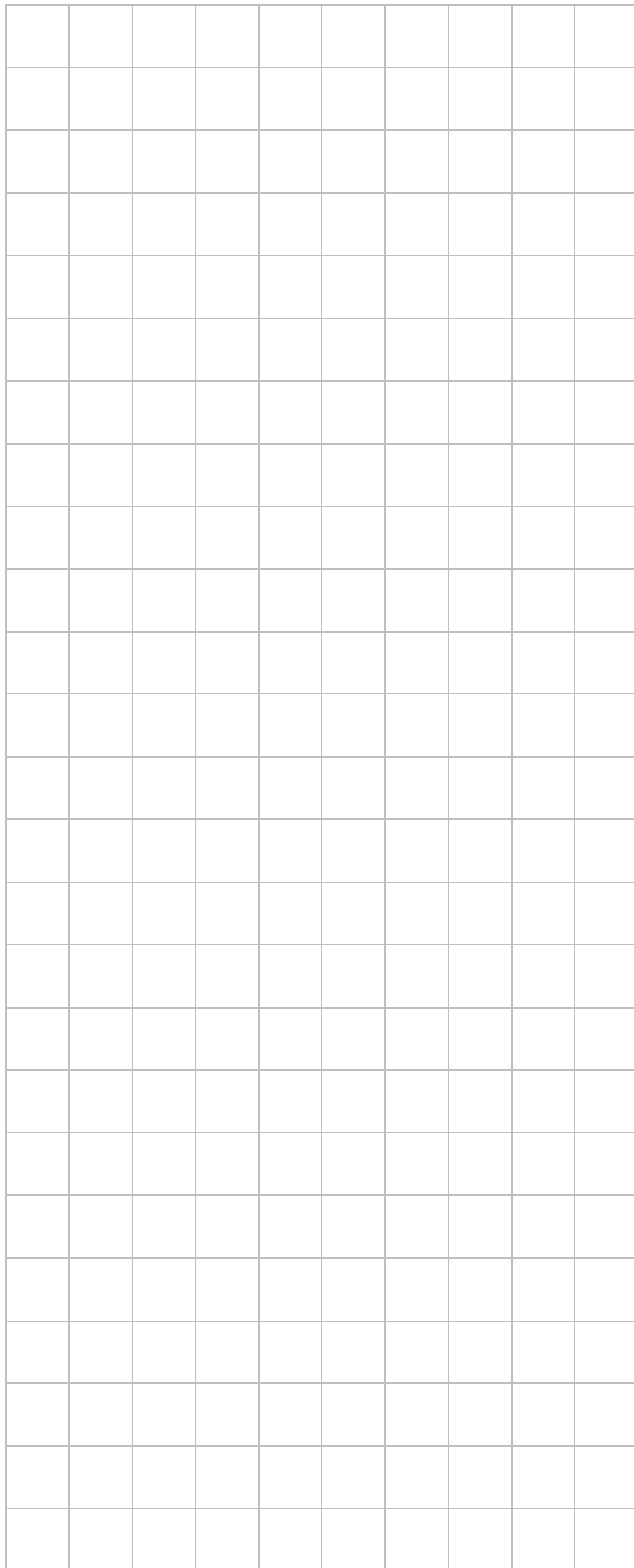
Pattern 2



Pattern 3



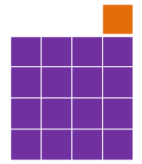




Pattern 1



Pattern 2



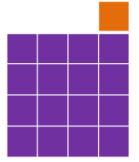
Pattern 3



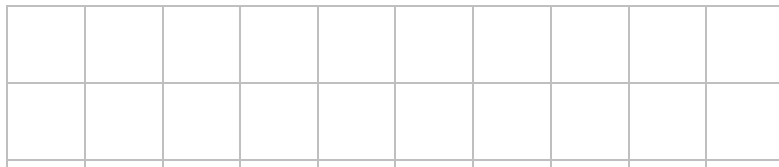
Pattern 1



Pattern 2



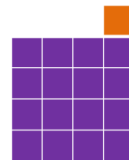
Pattern 3



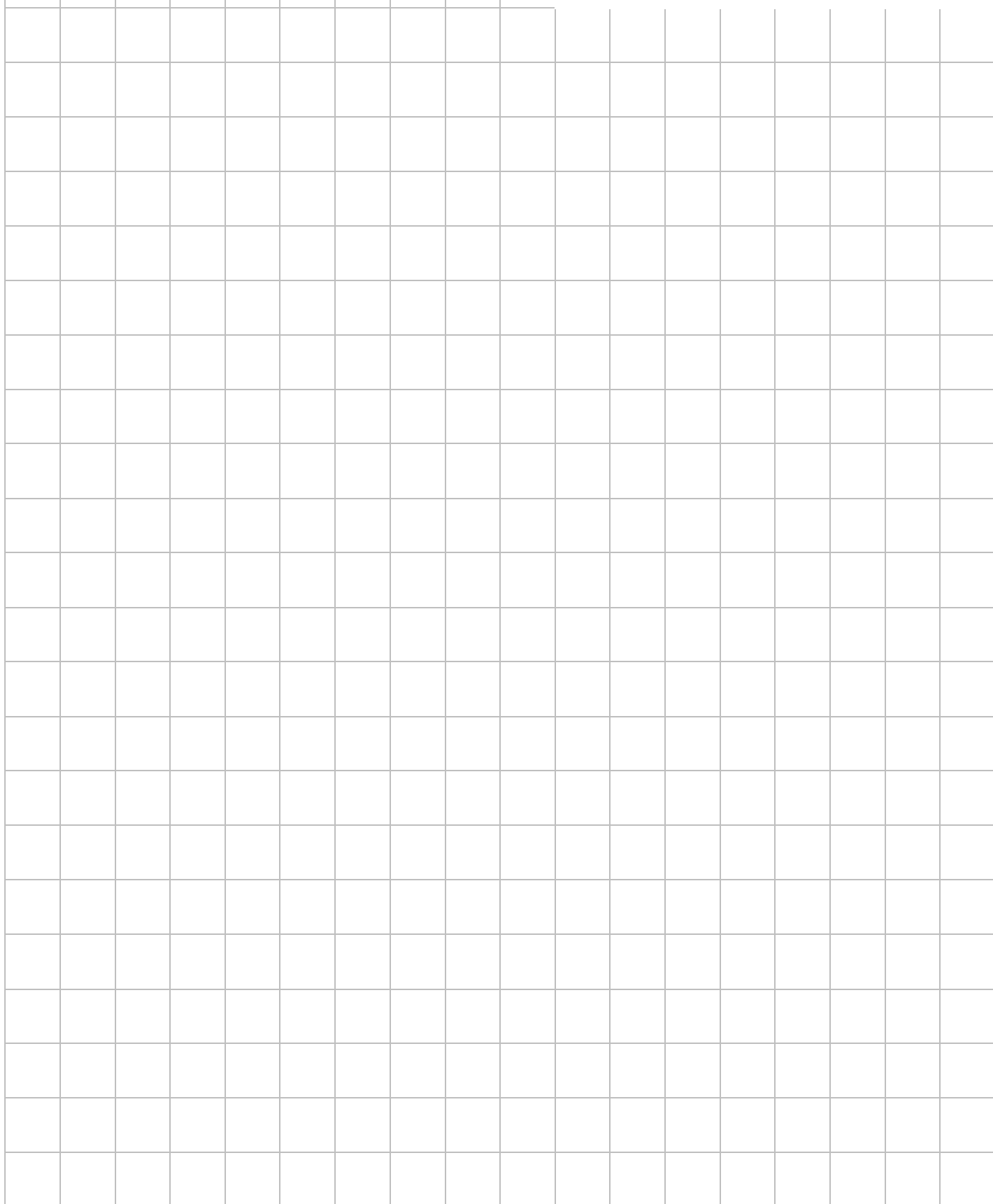
Pattern 1



Pattern 2



Pattern 3

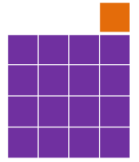




Pattern 1



Pattern 2

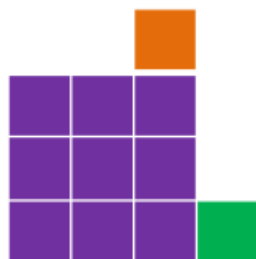


Pattern 3

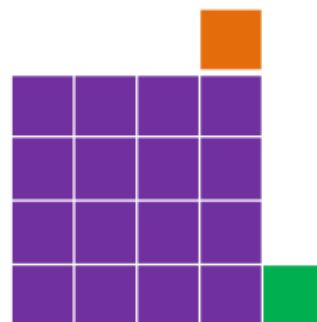
Pattern 8



Picture 1

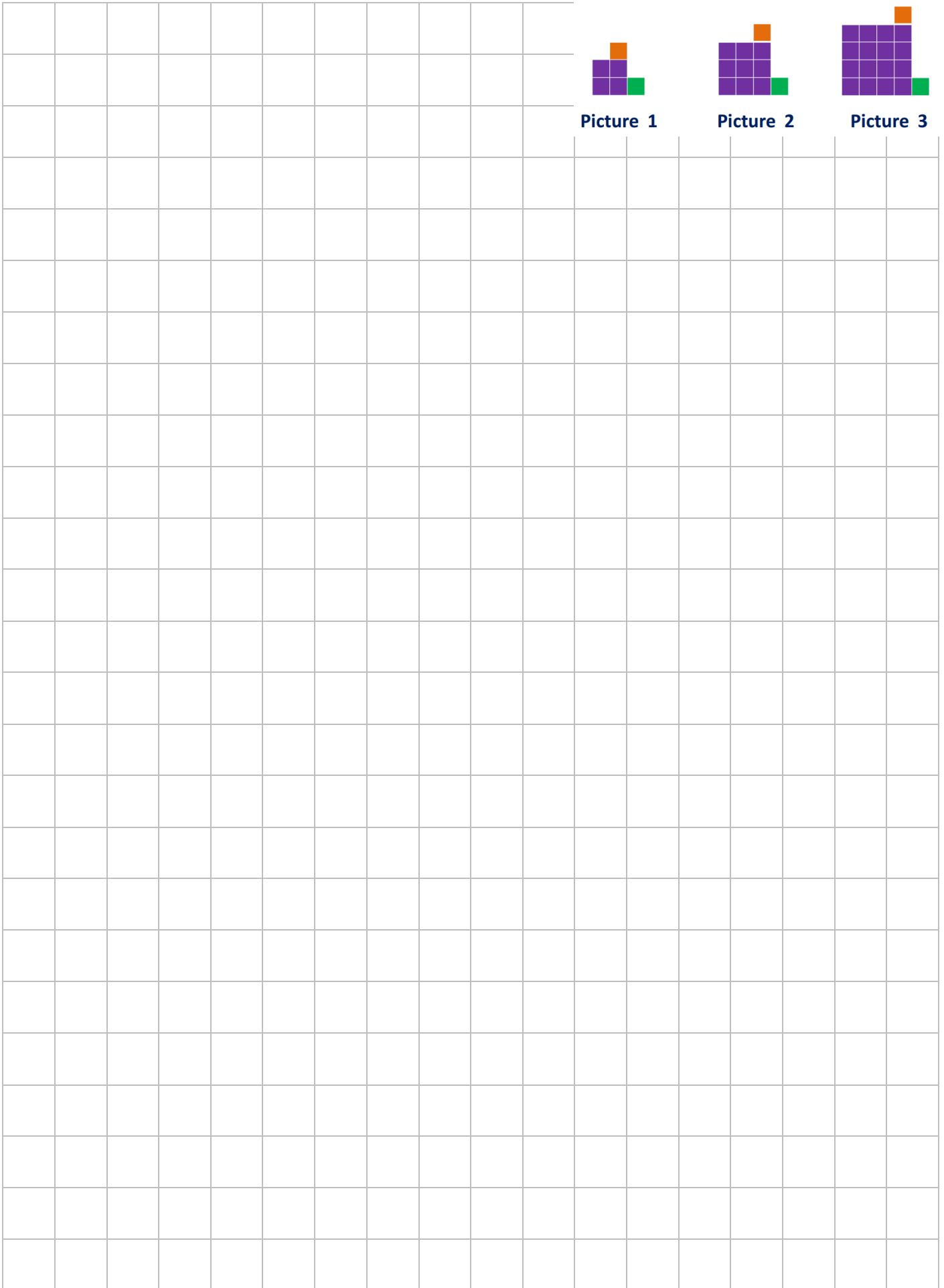


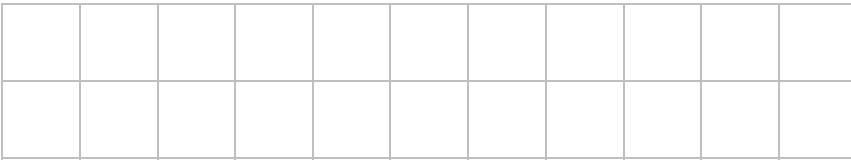
Picture 2



Picture 3



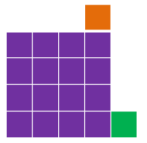




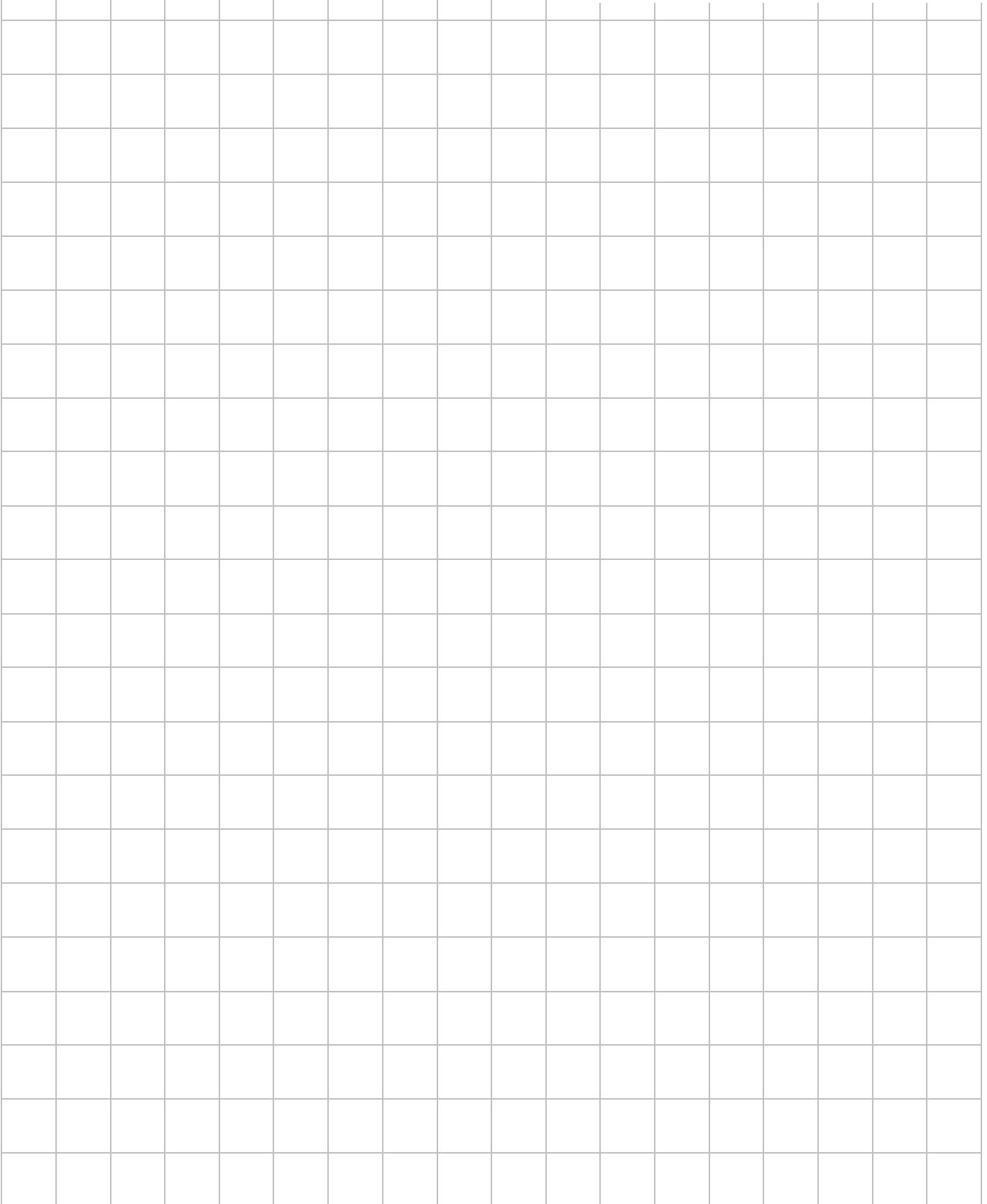
Picture 1

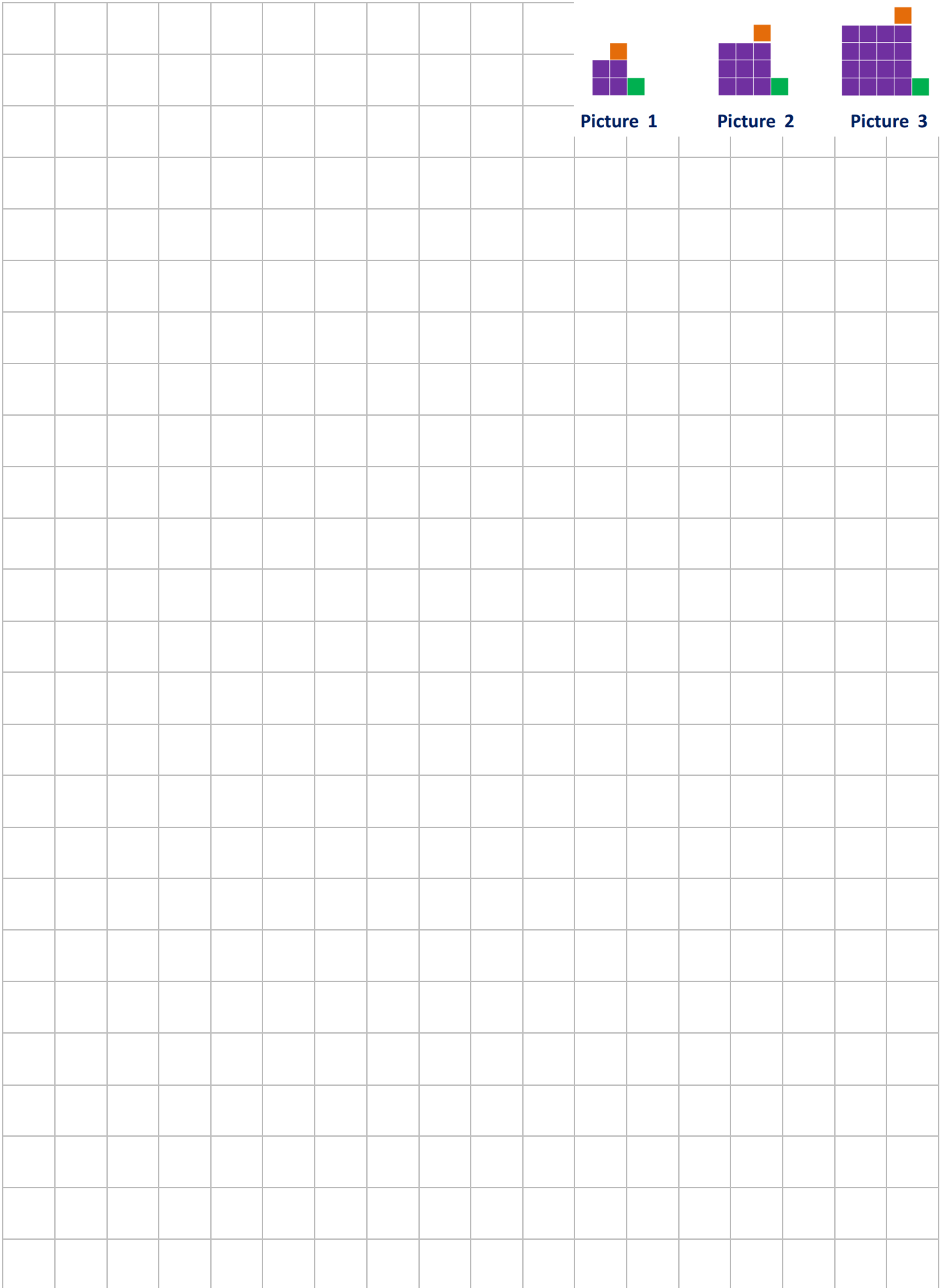


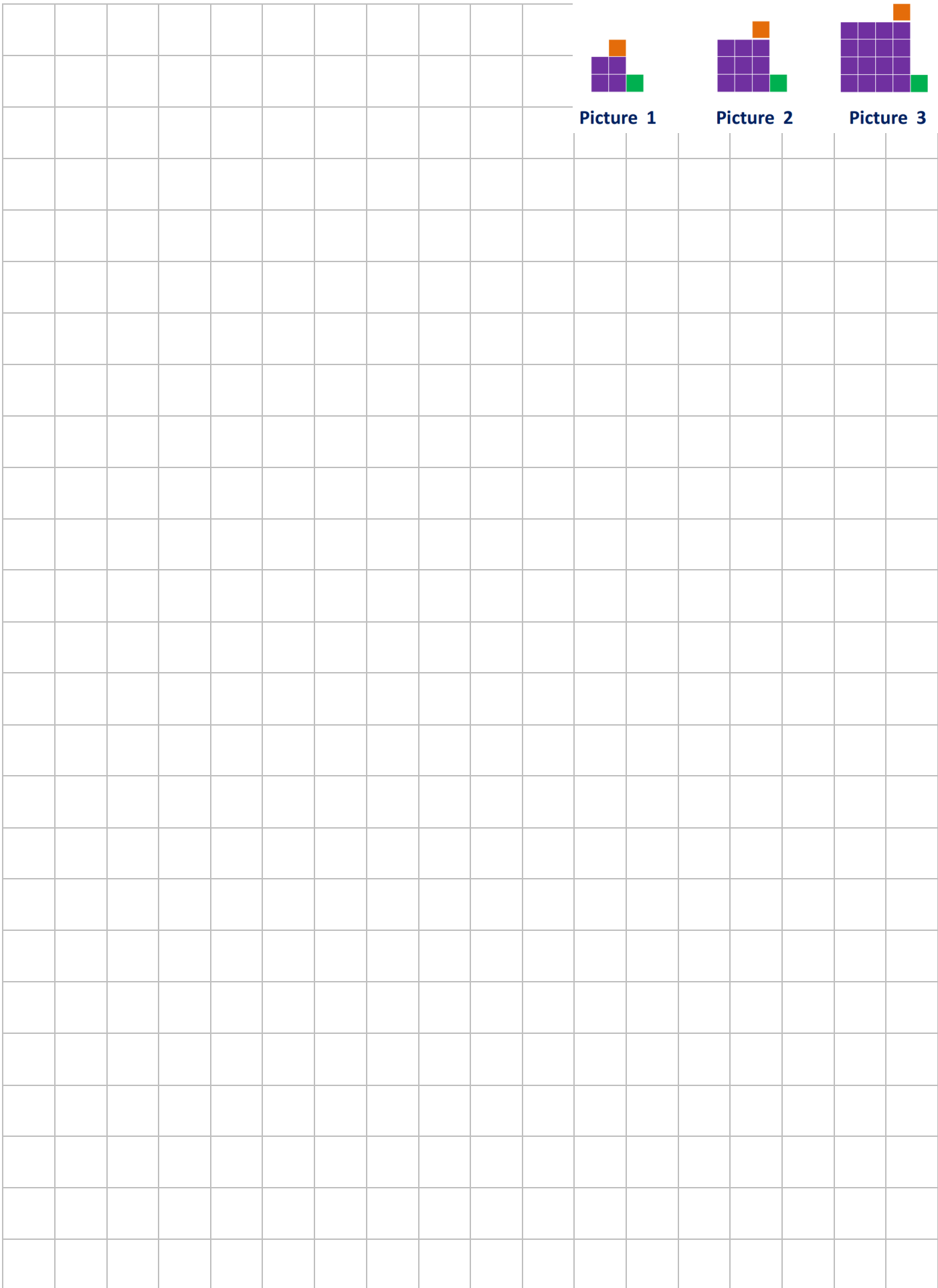
Picture 2



Picture 3



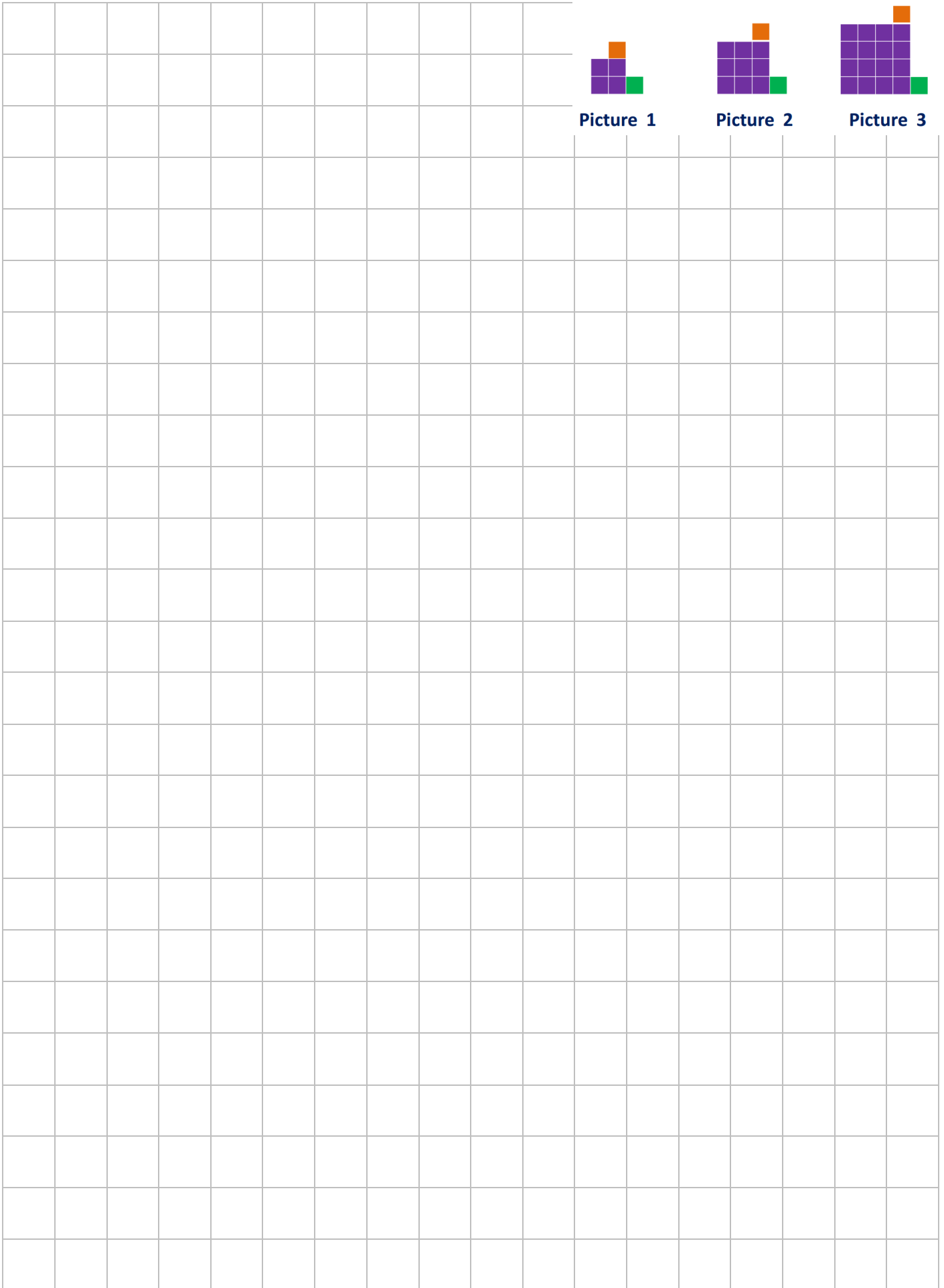


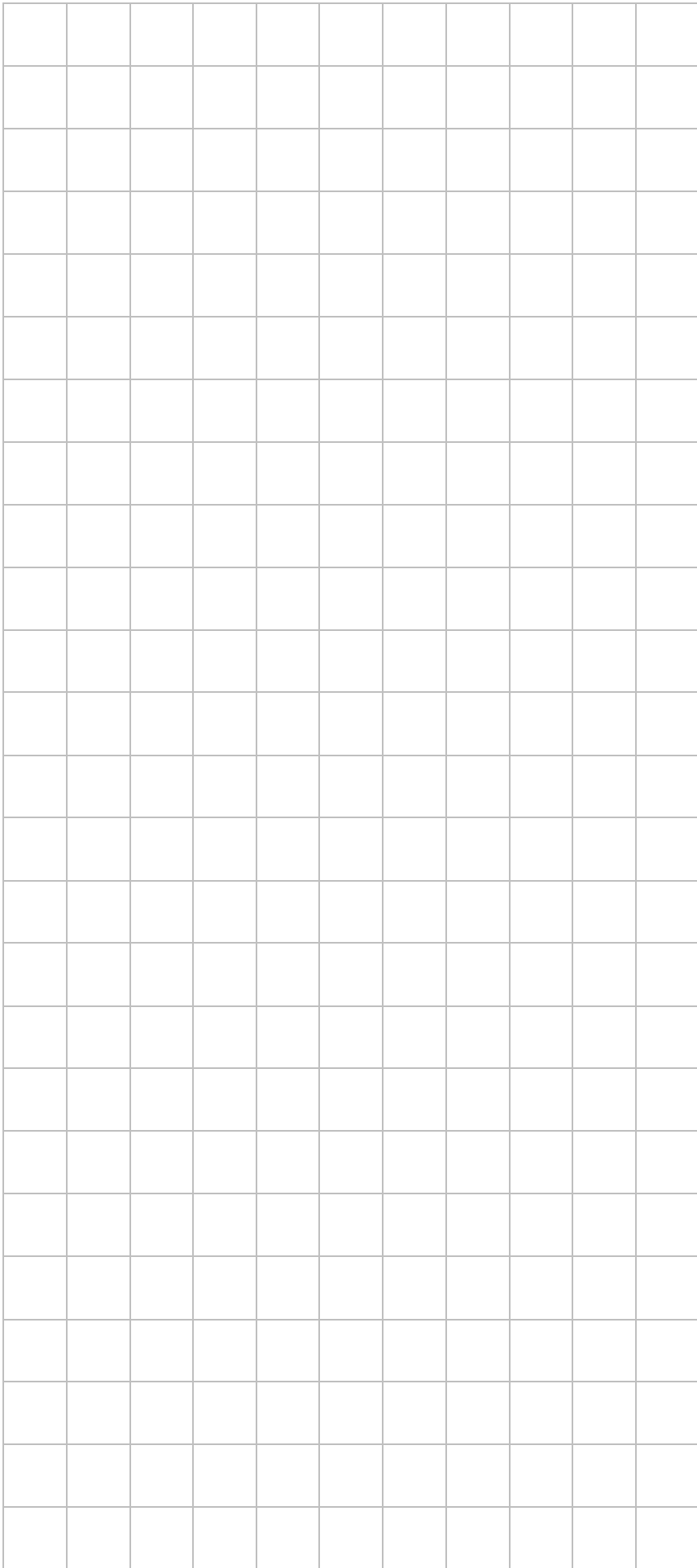


Picture 1

Picture 2

Picture 3





Picture 1

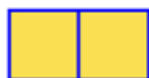


Picture 2

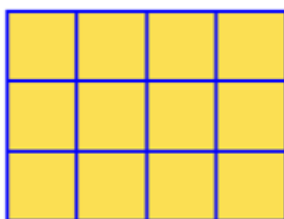


Picture 3

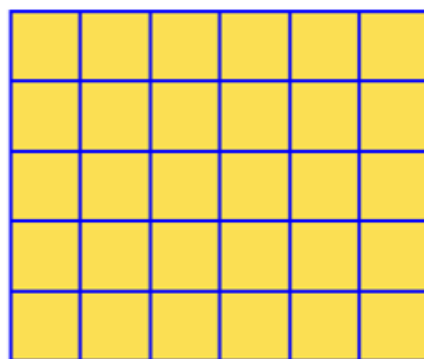
Pattern 9



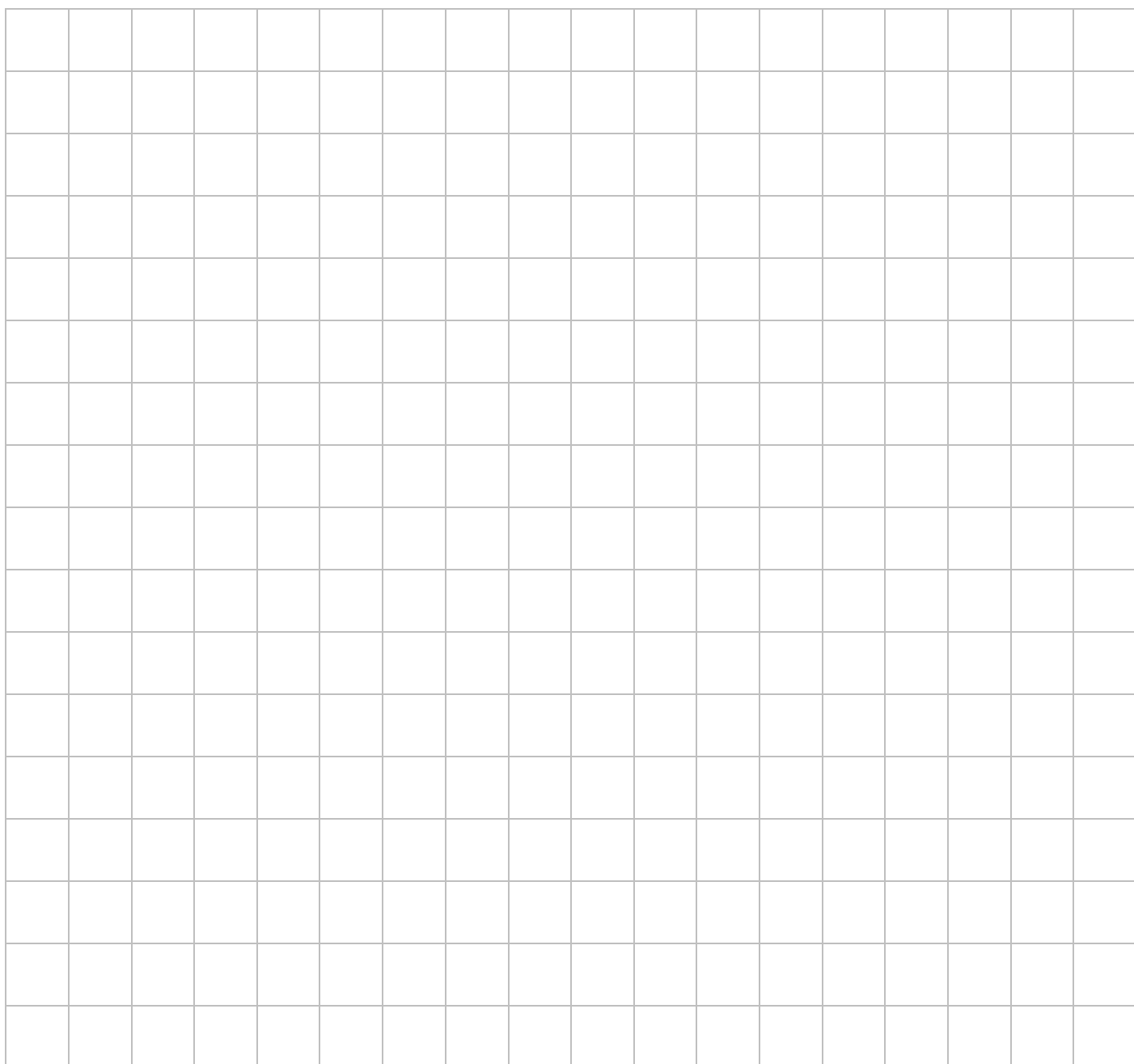
Picture 1

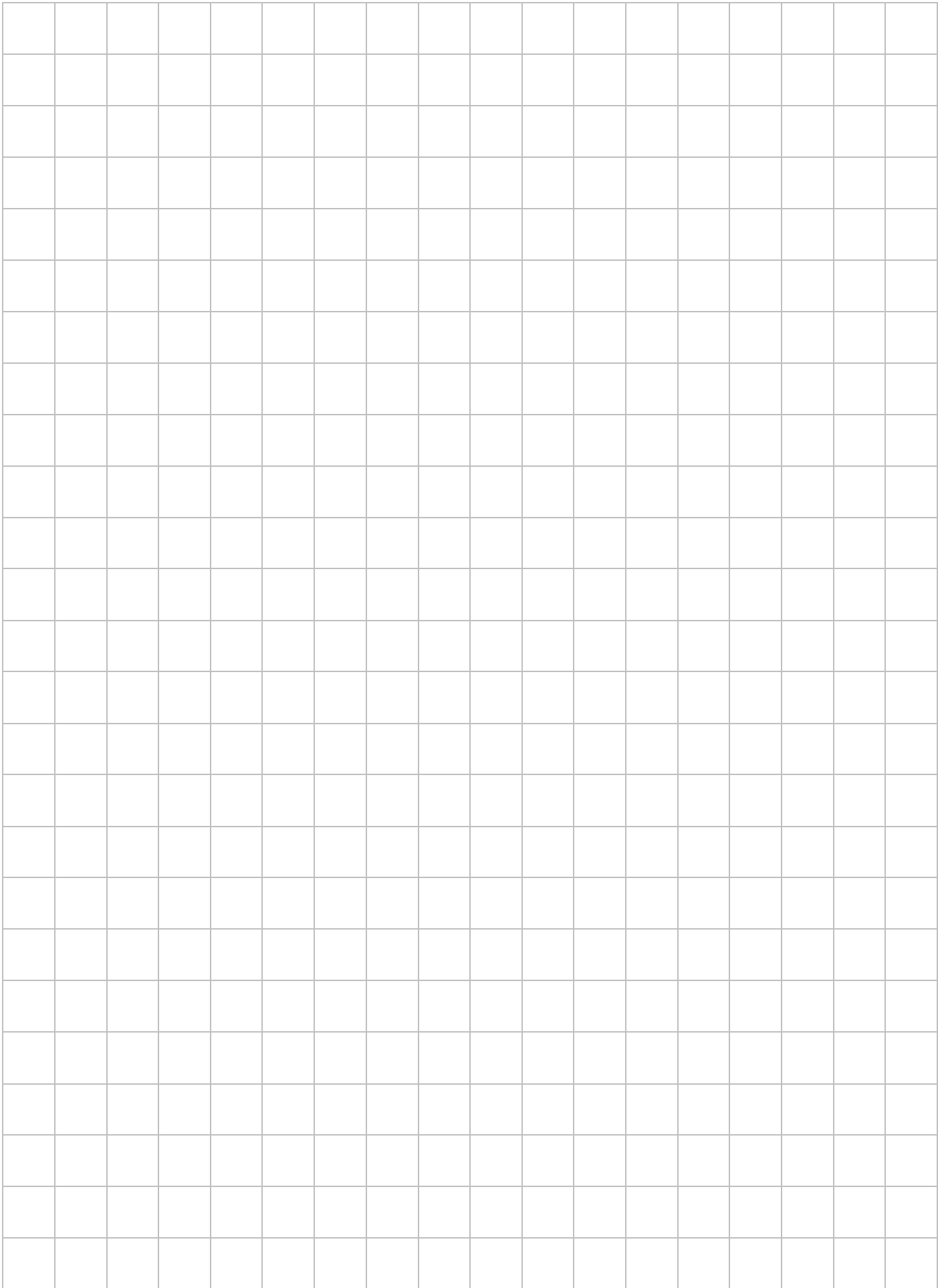


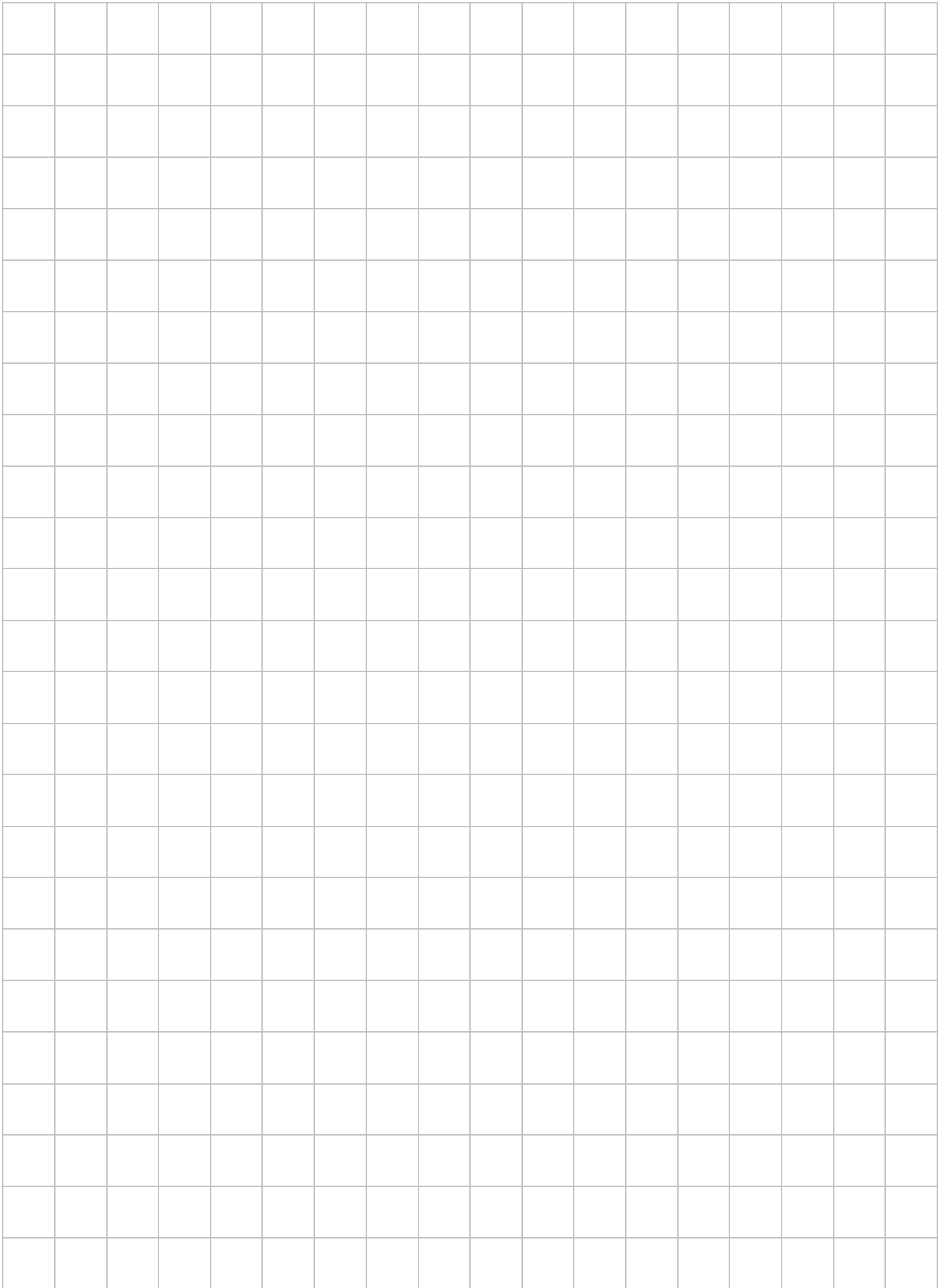
Picture 2



Picture 3







Pattern 10

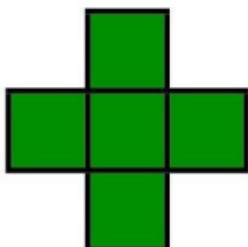


Figure 1

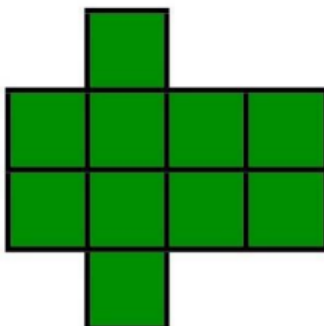


Figure 2

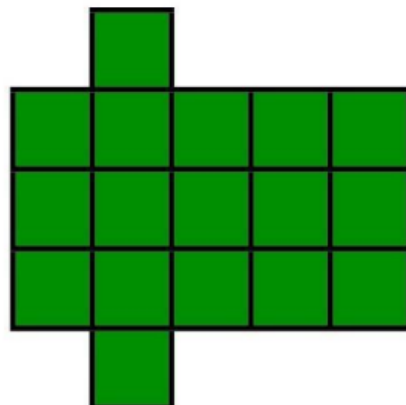
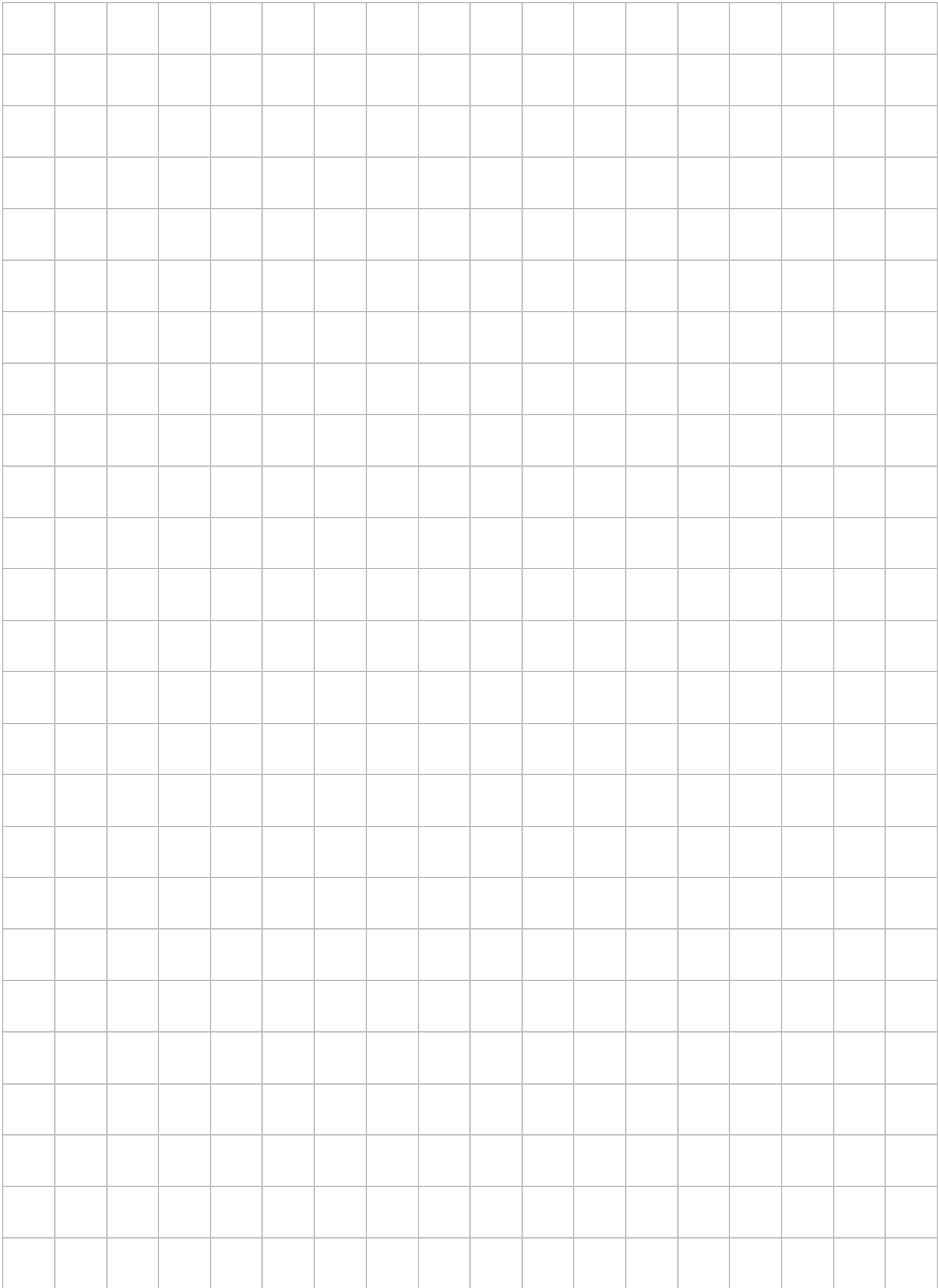
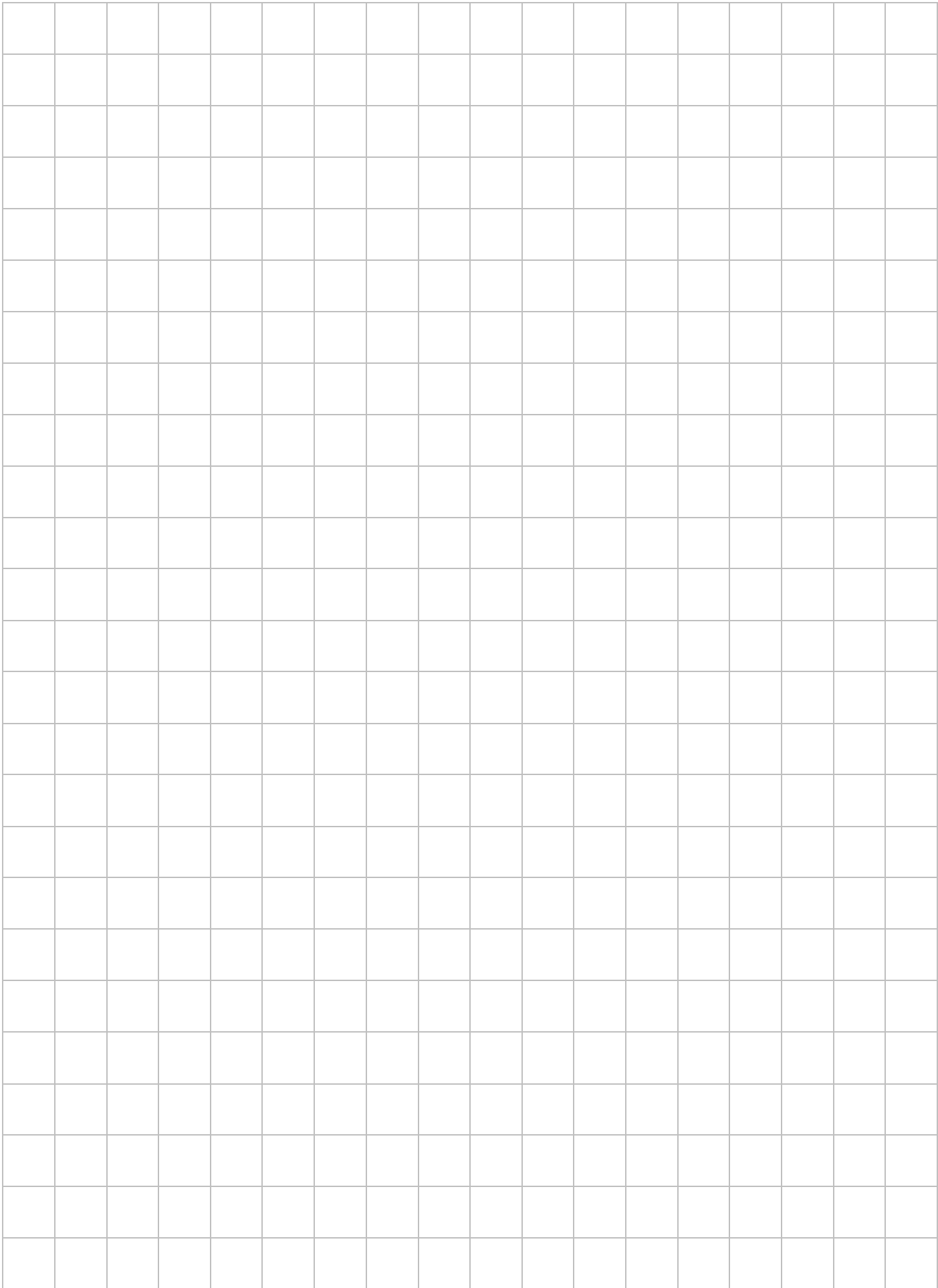


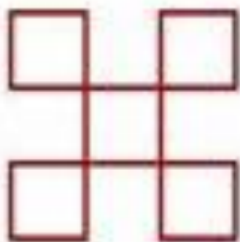
Figure 3



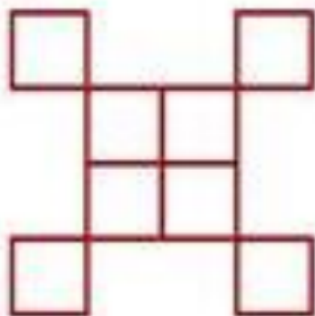




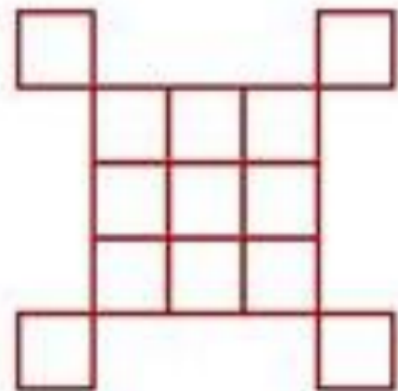
Pattern 11



Step 1

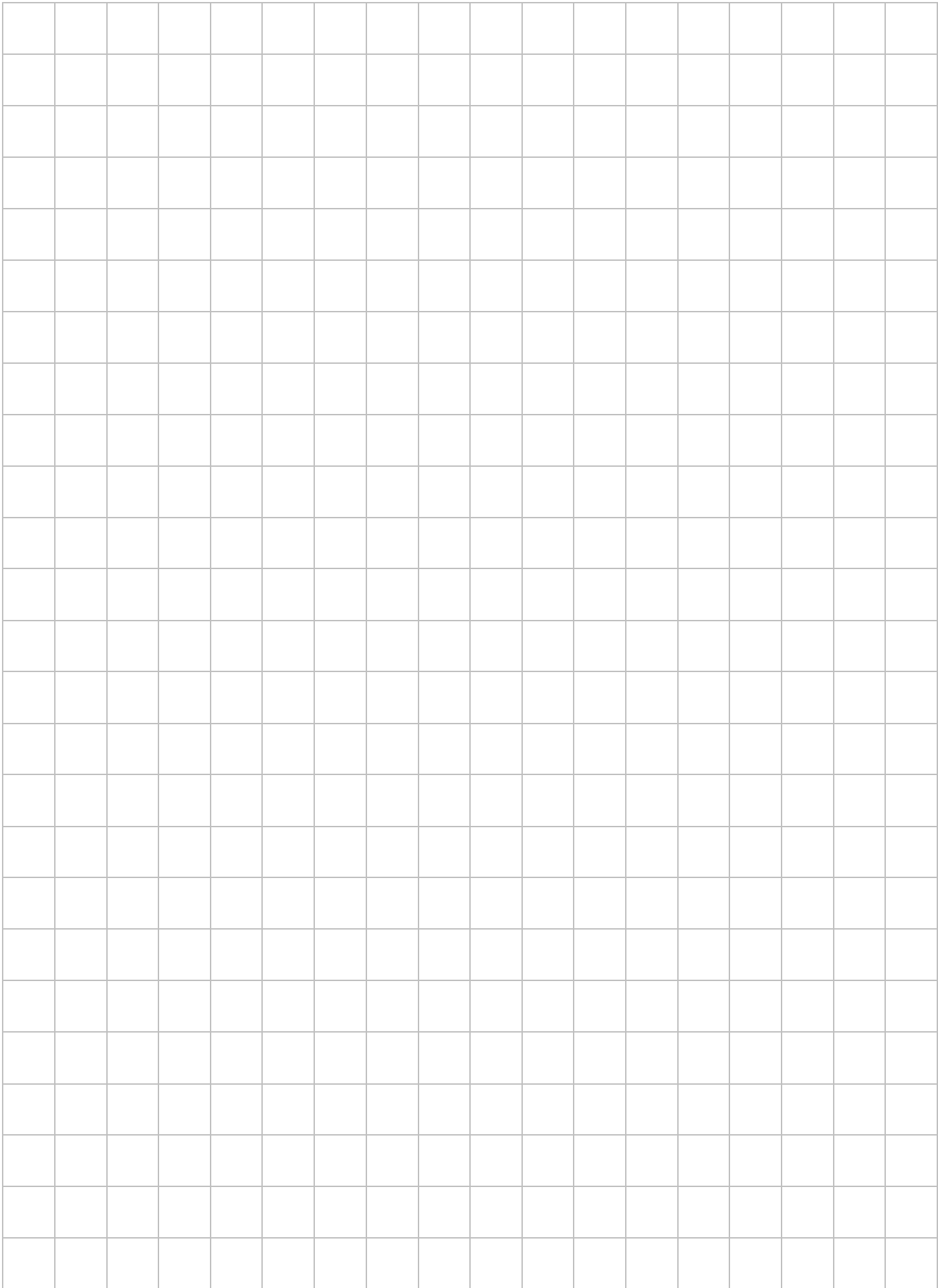


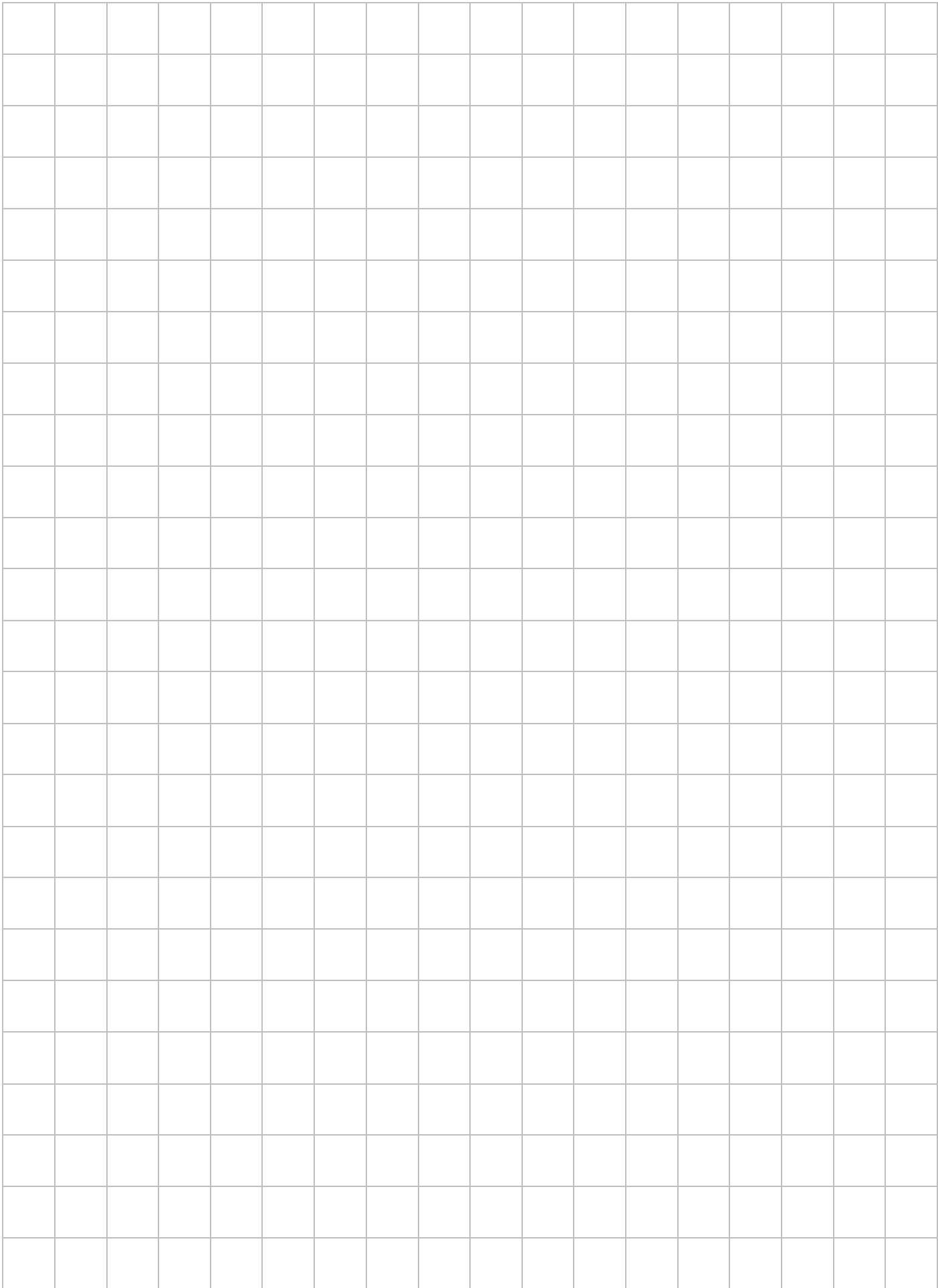
Step 2

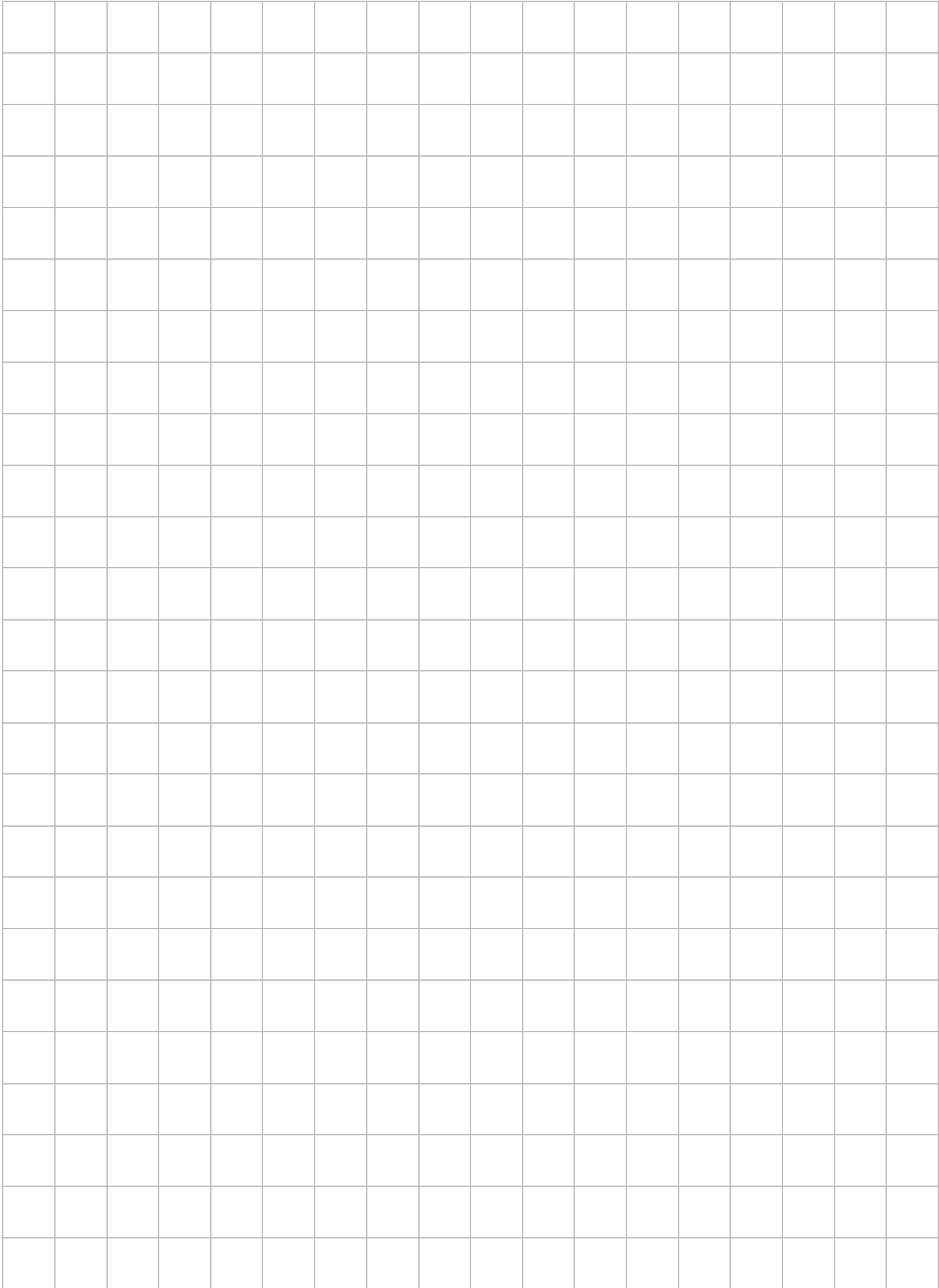


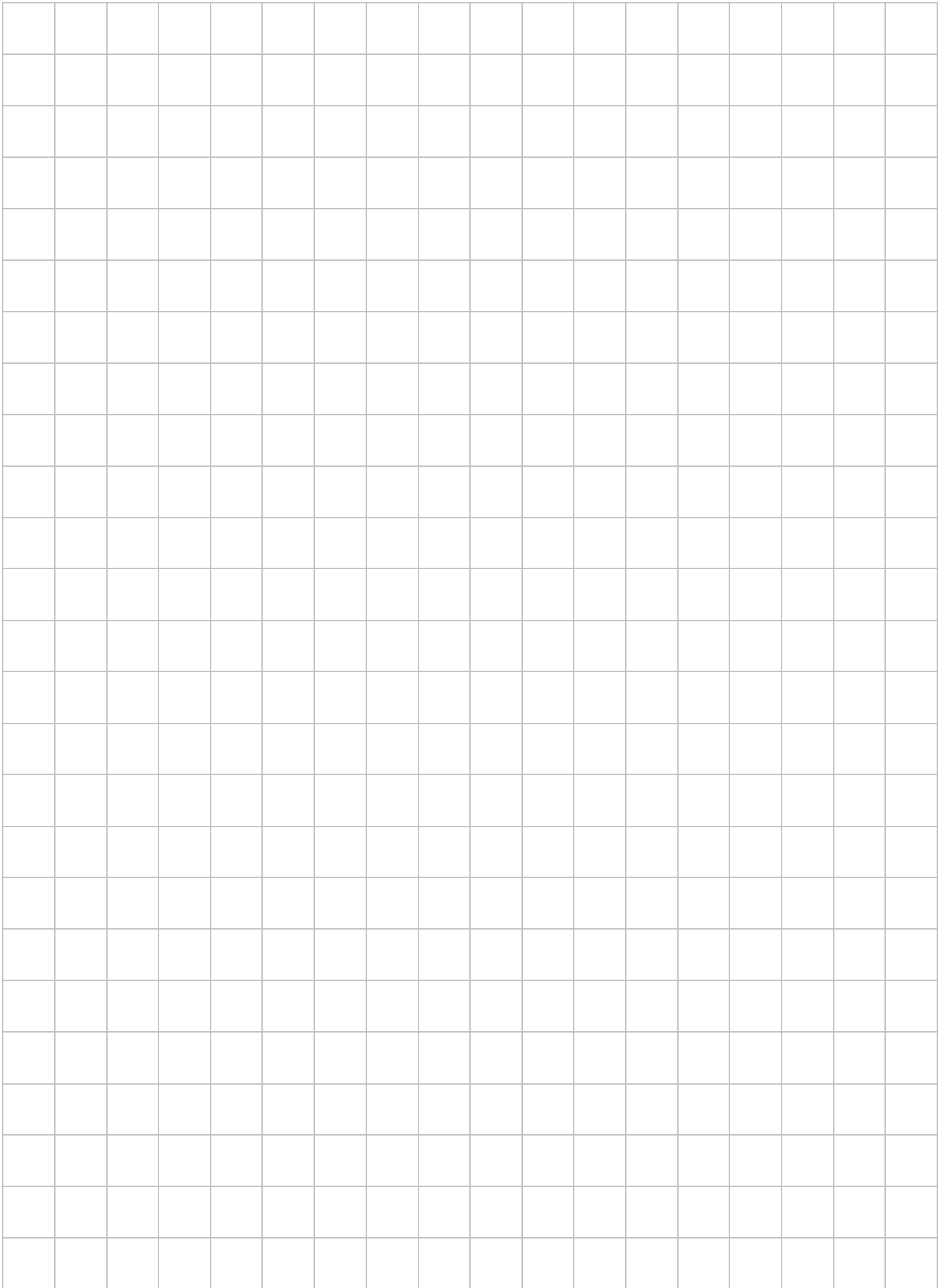
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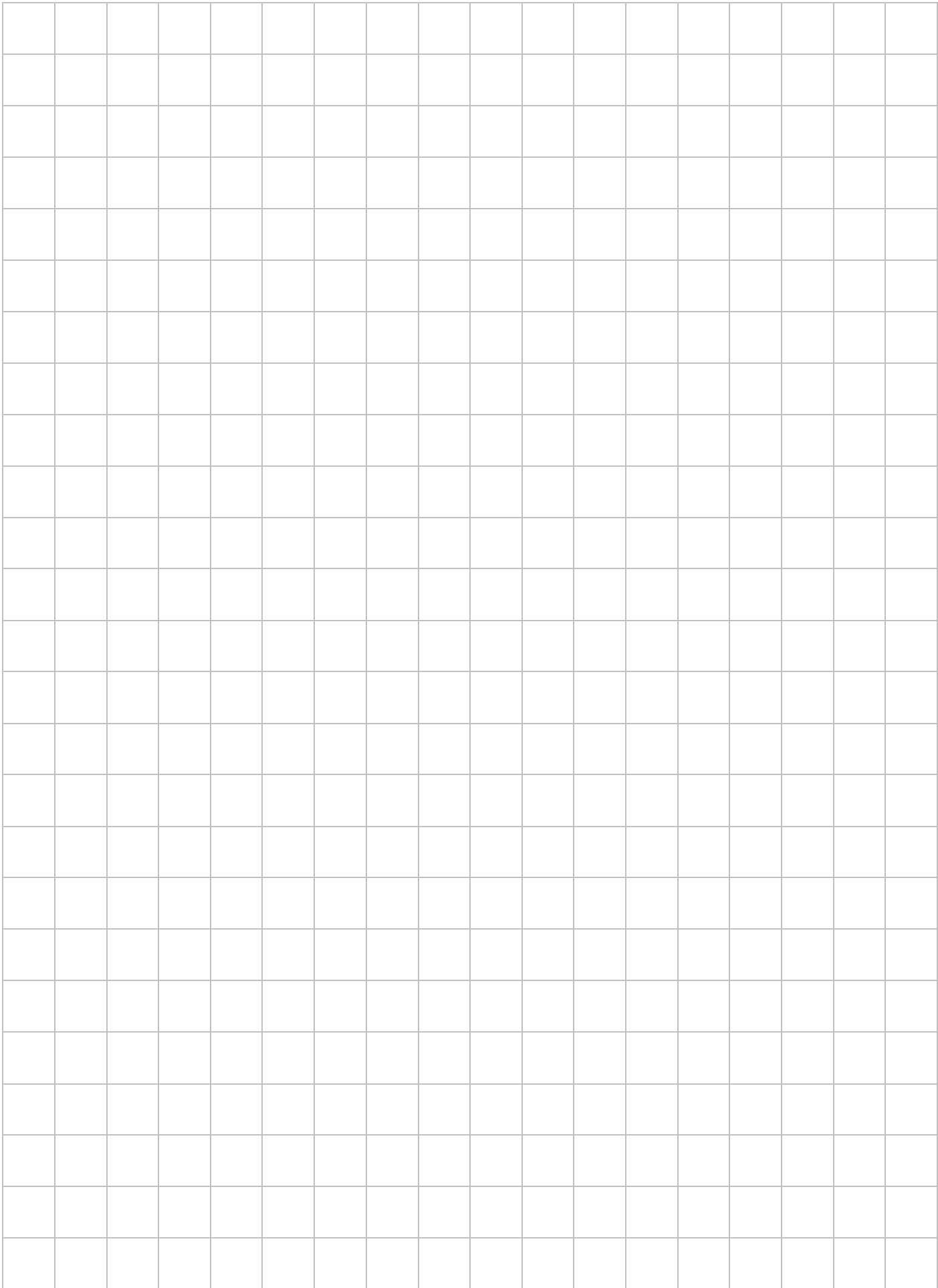


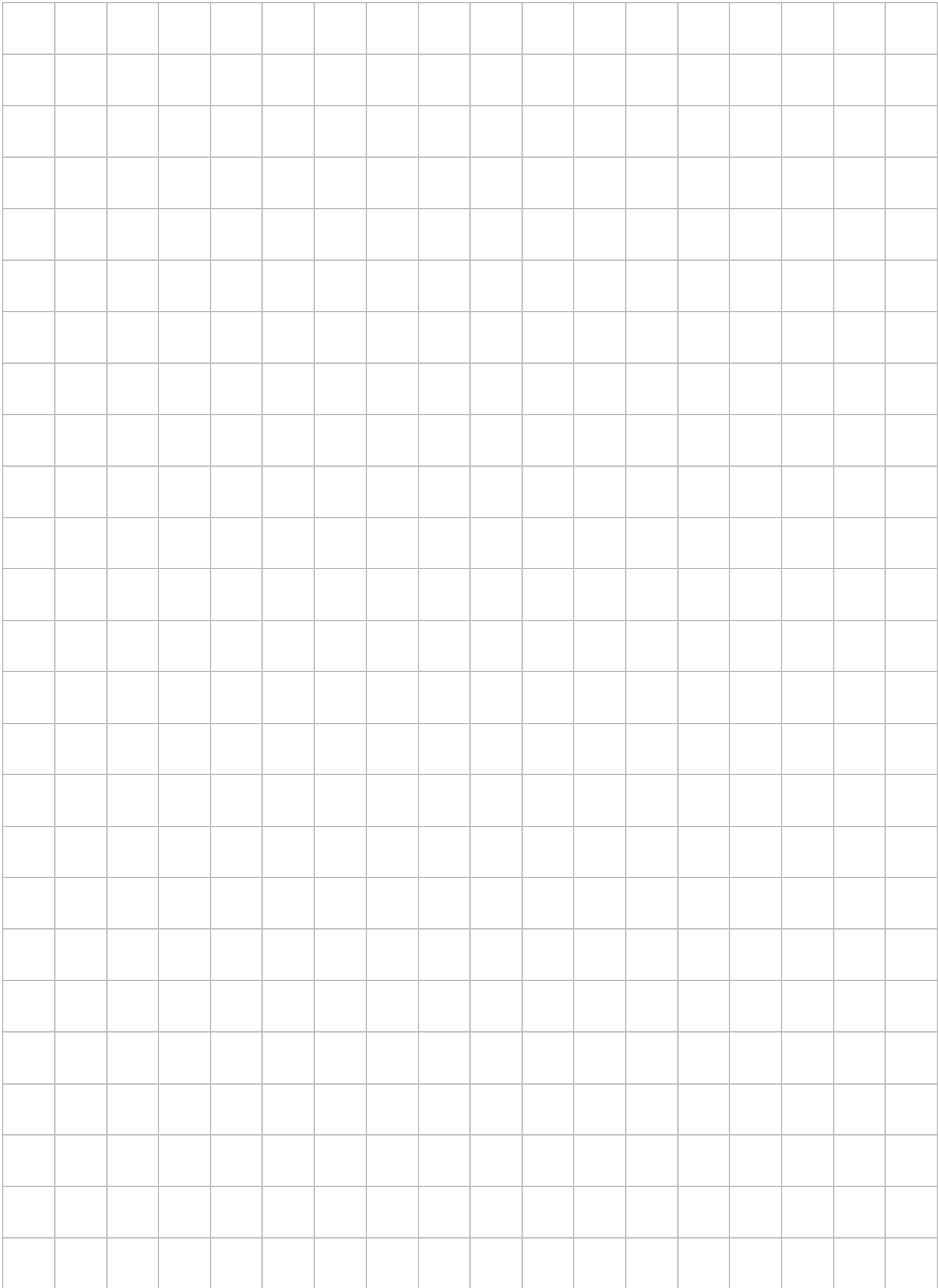




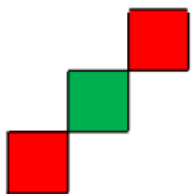




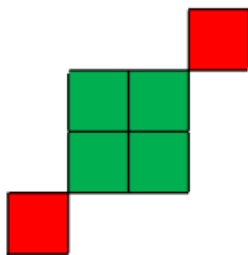




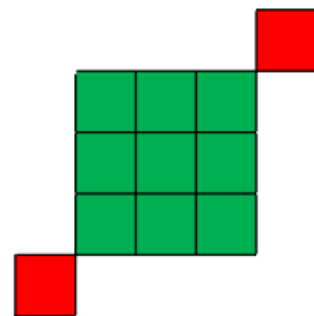
Pattern 12



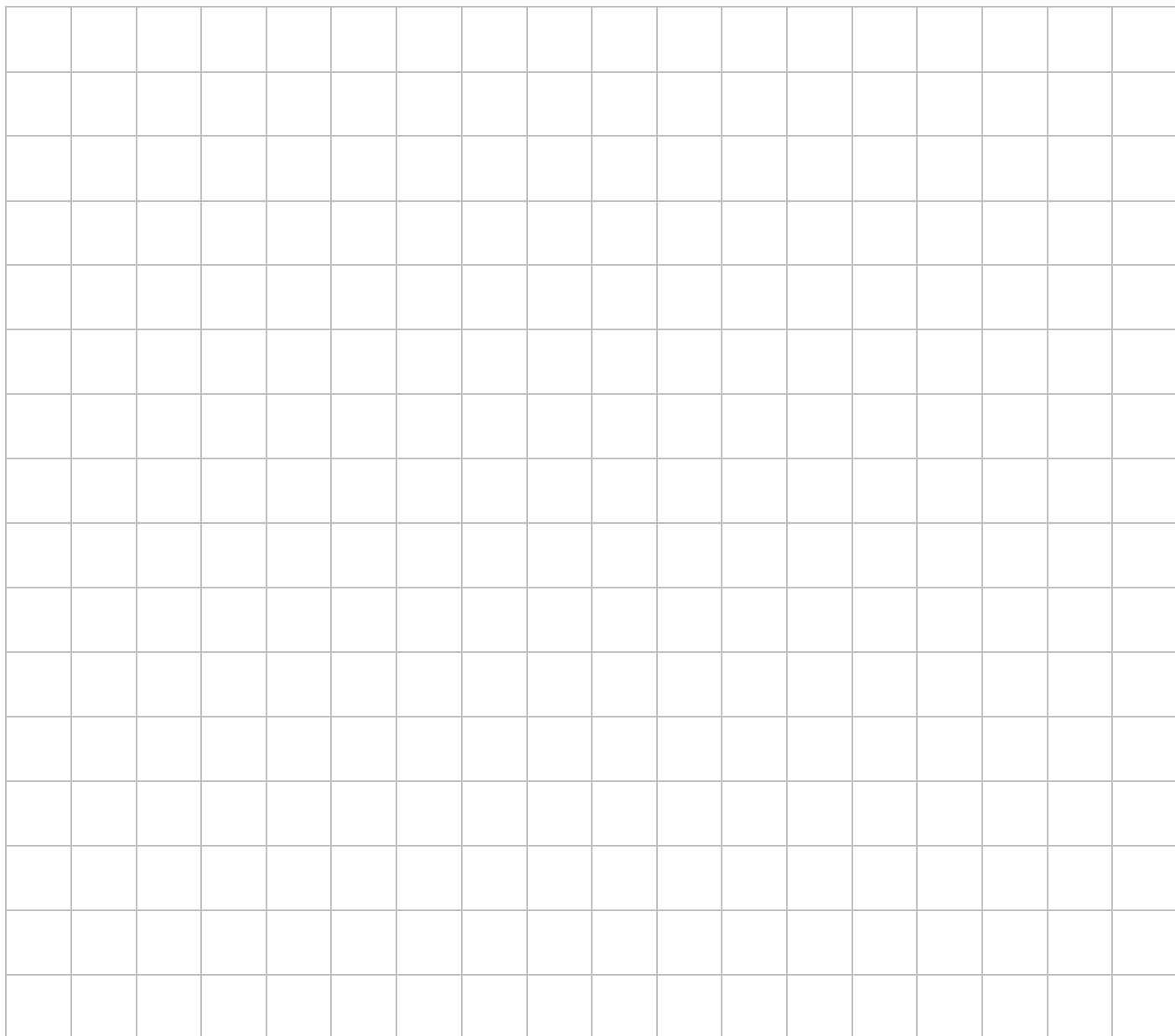
Pic. 1

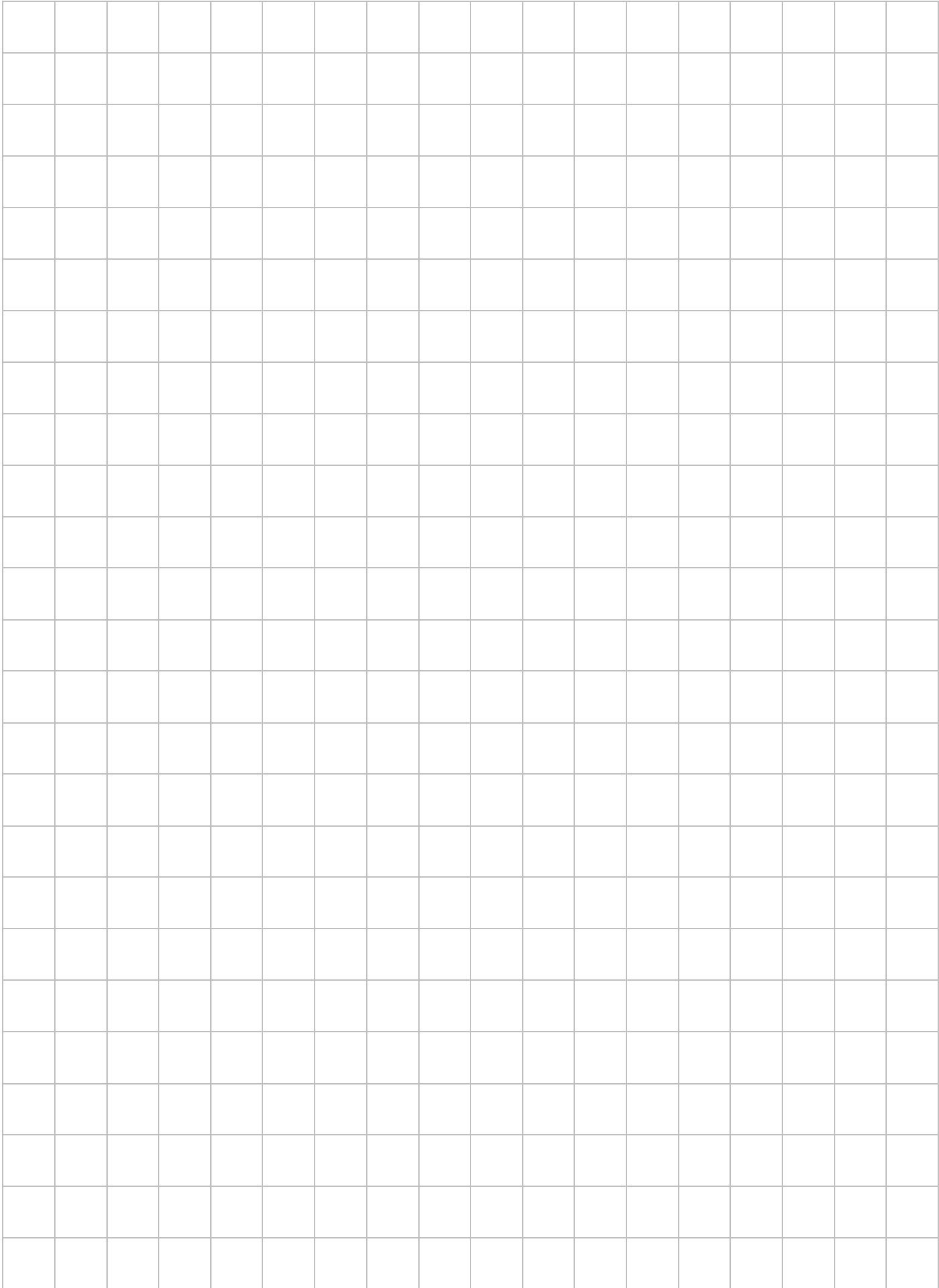


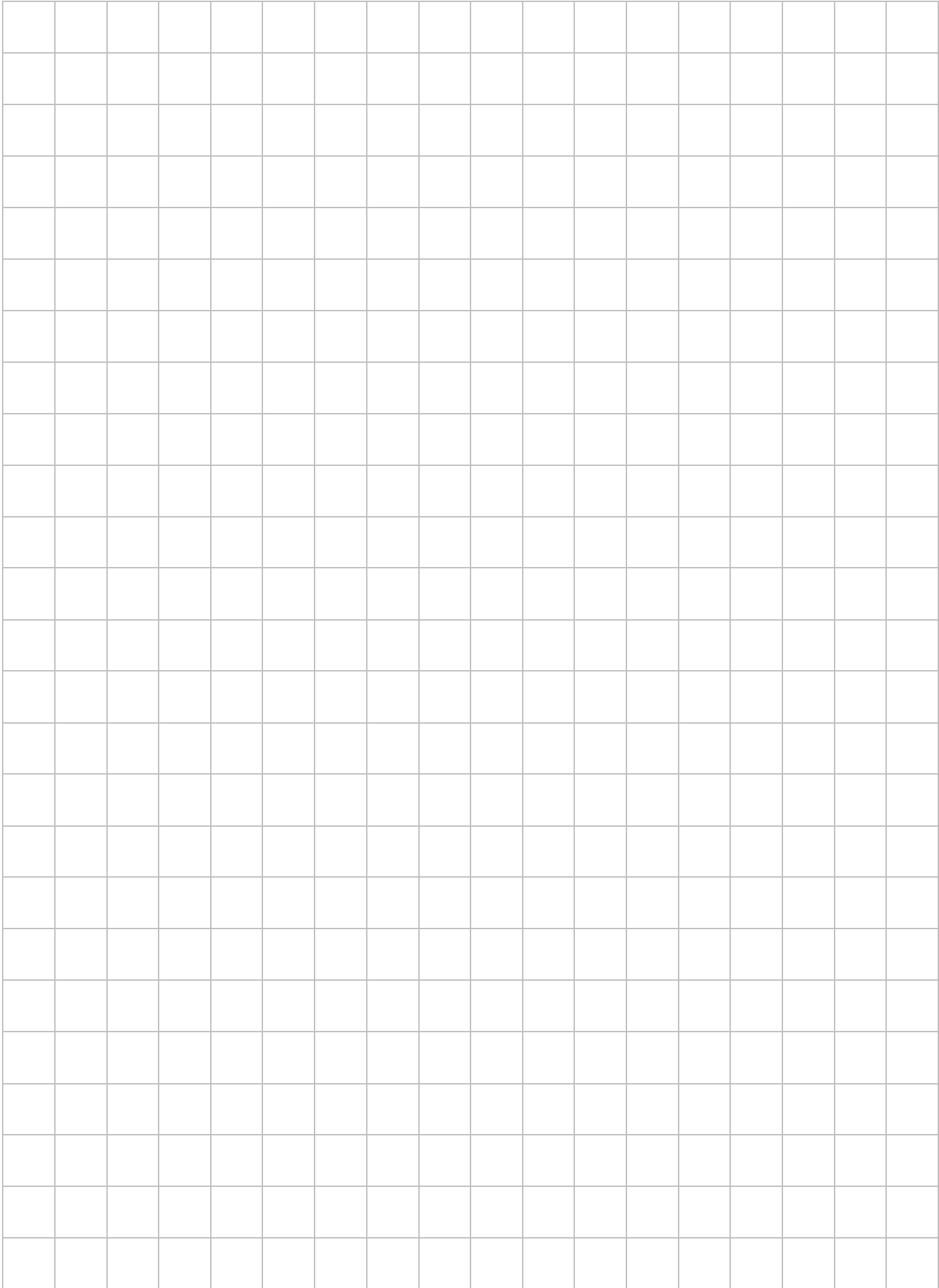
Pic. 2

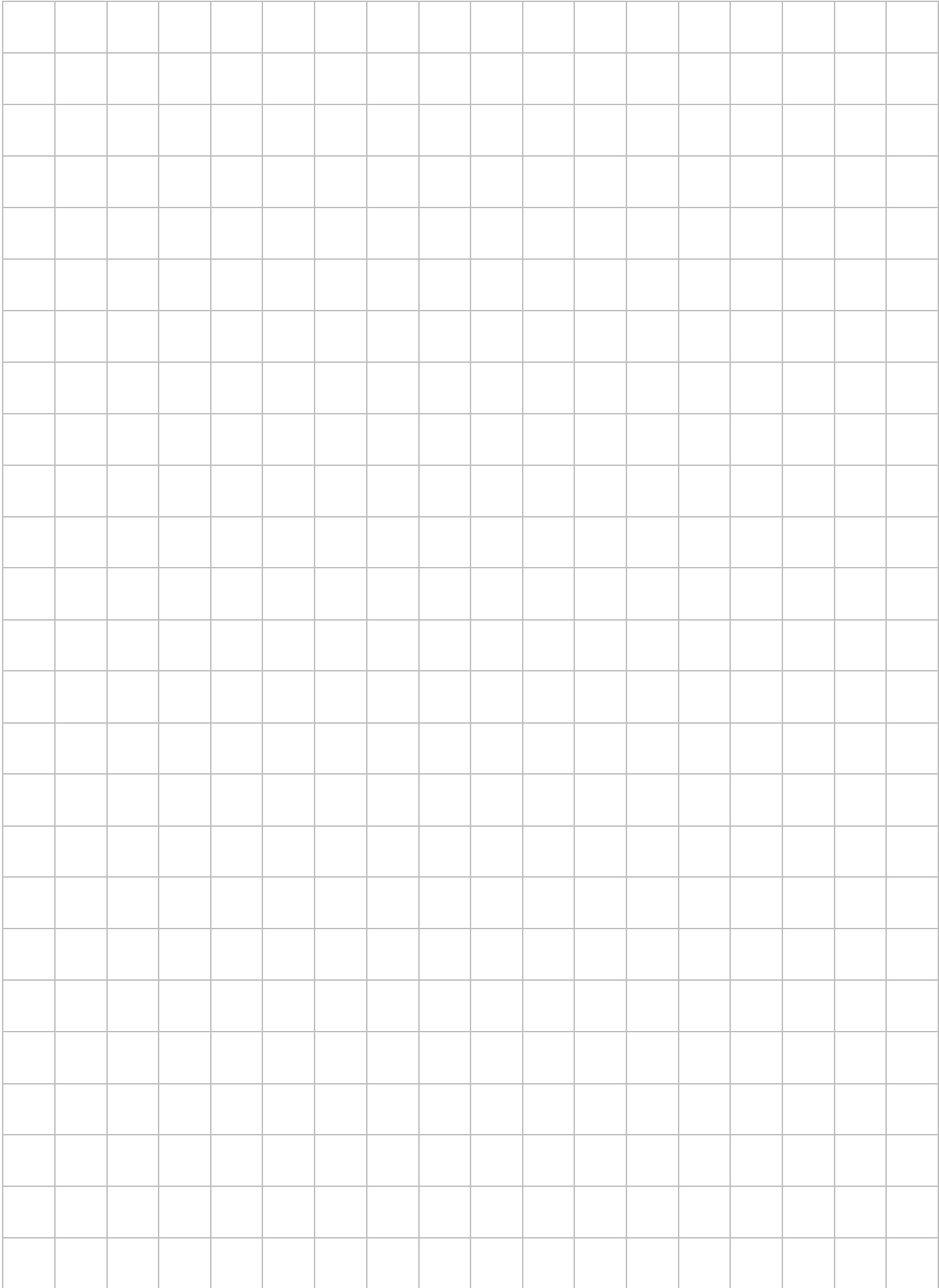


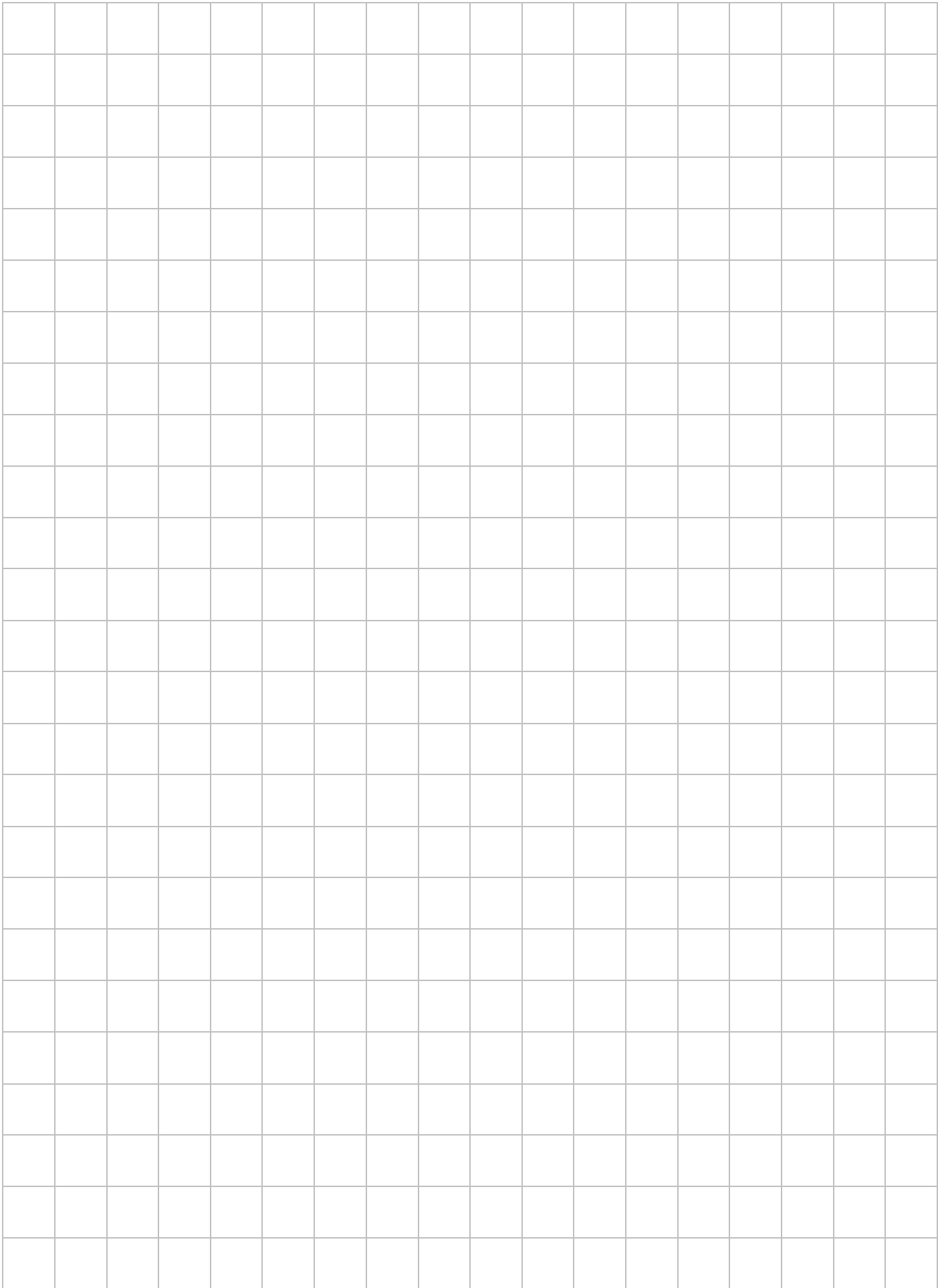
Pic. 3

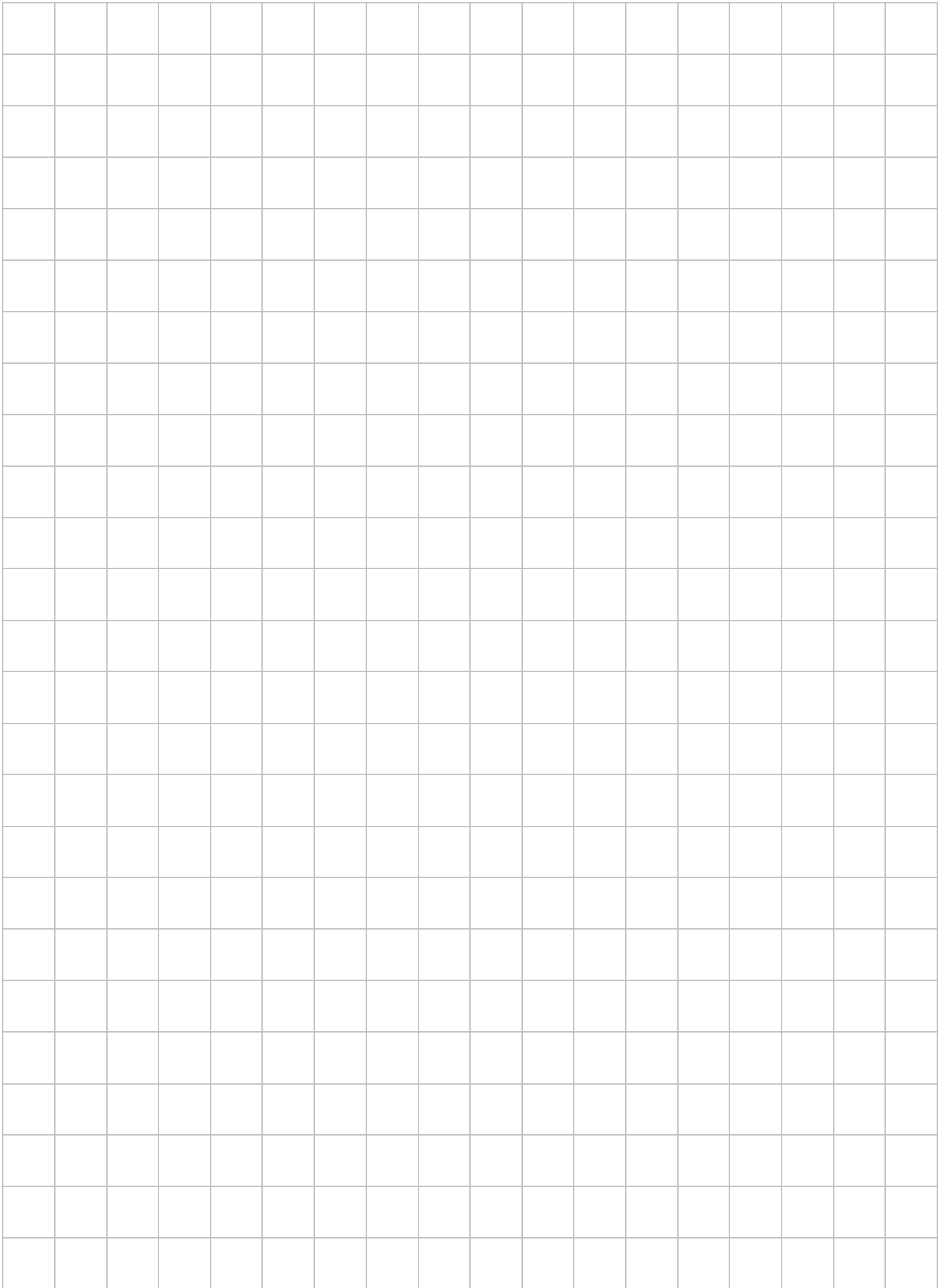












Pattern 13

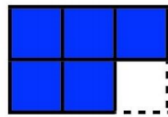


Figure 1

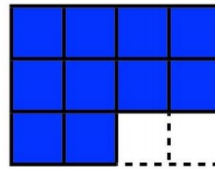


Figure 2

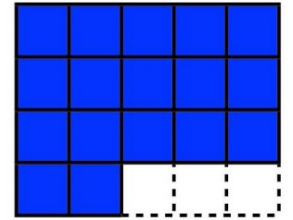
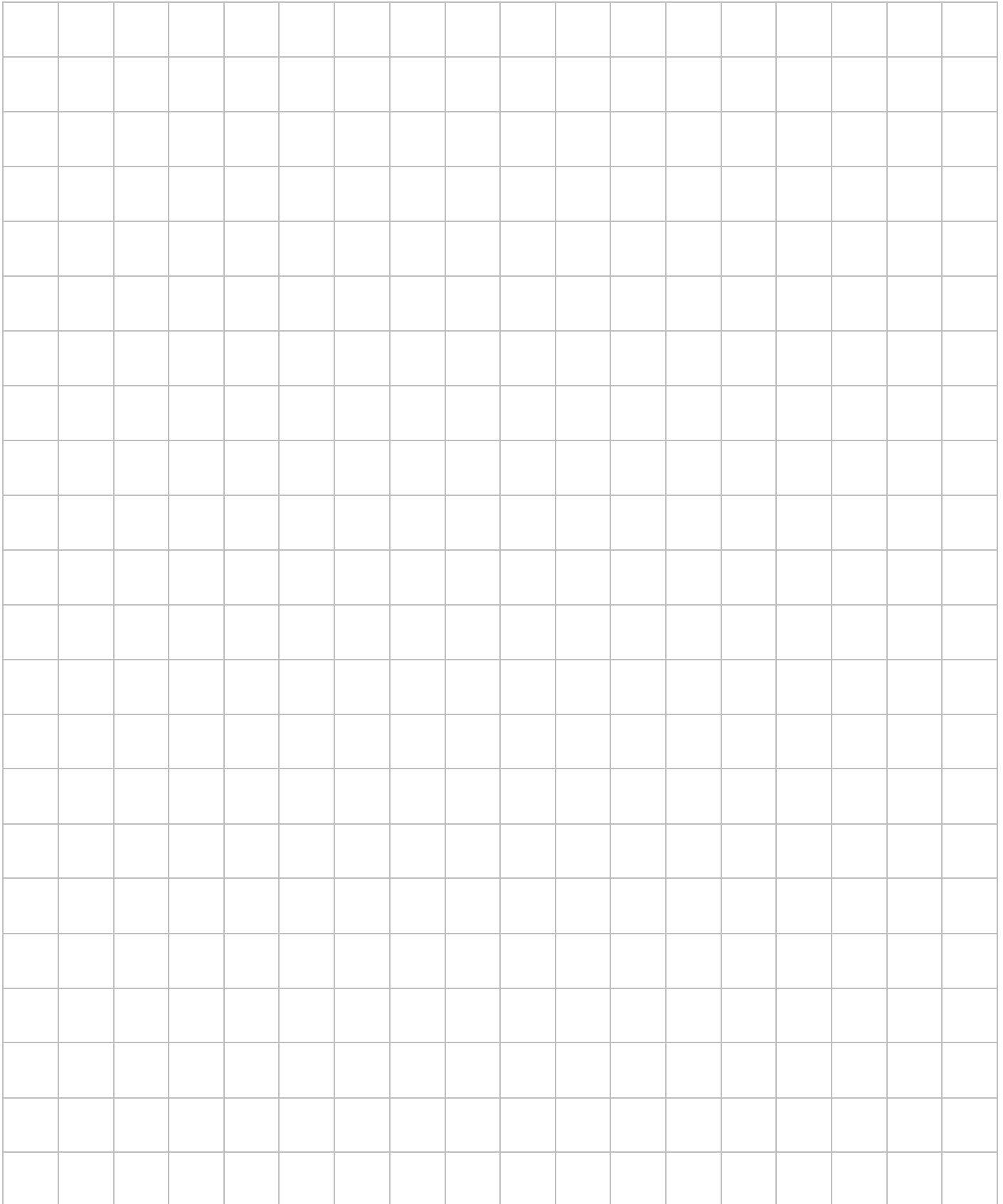
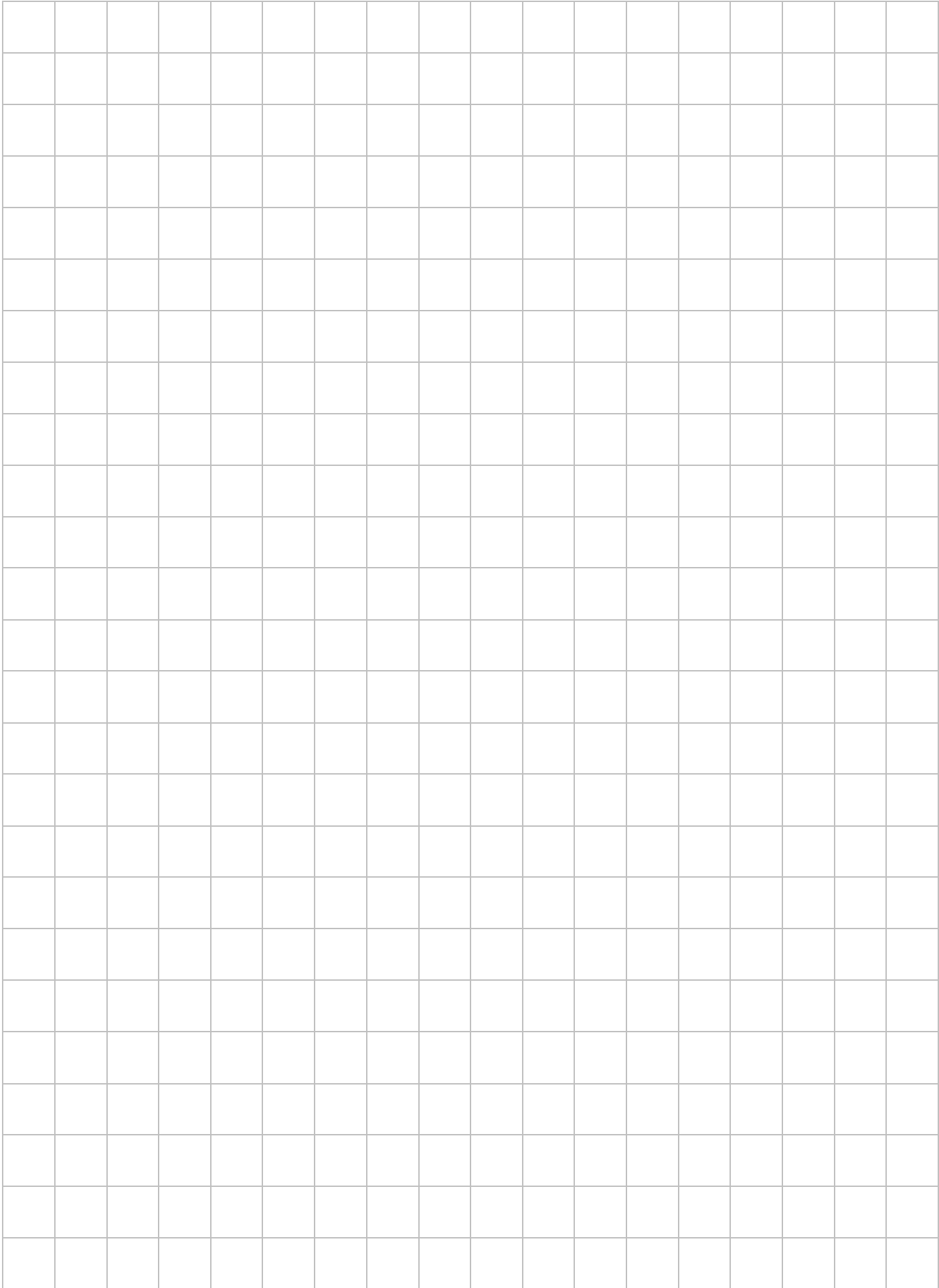
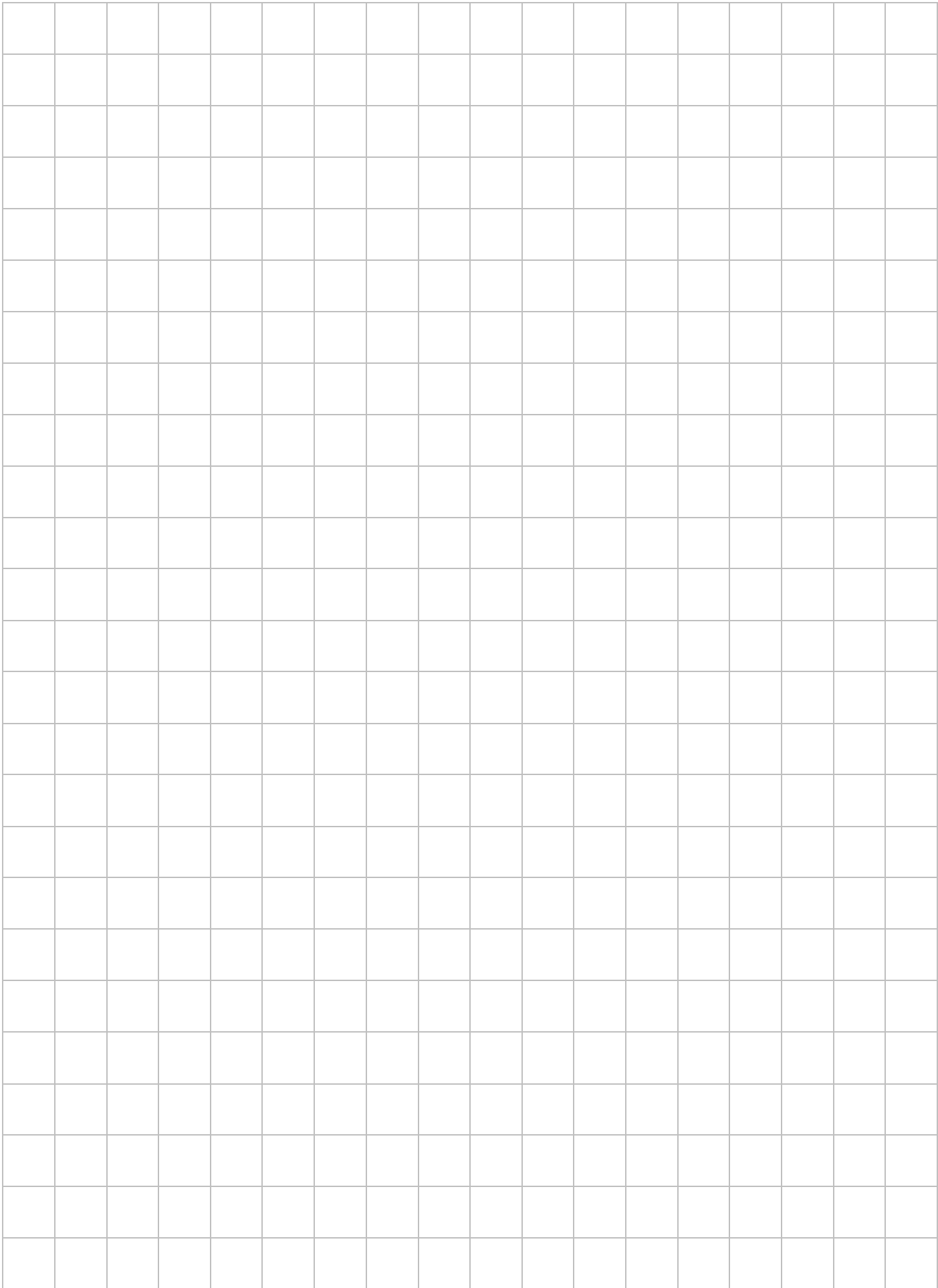
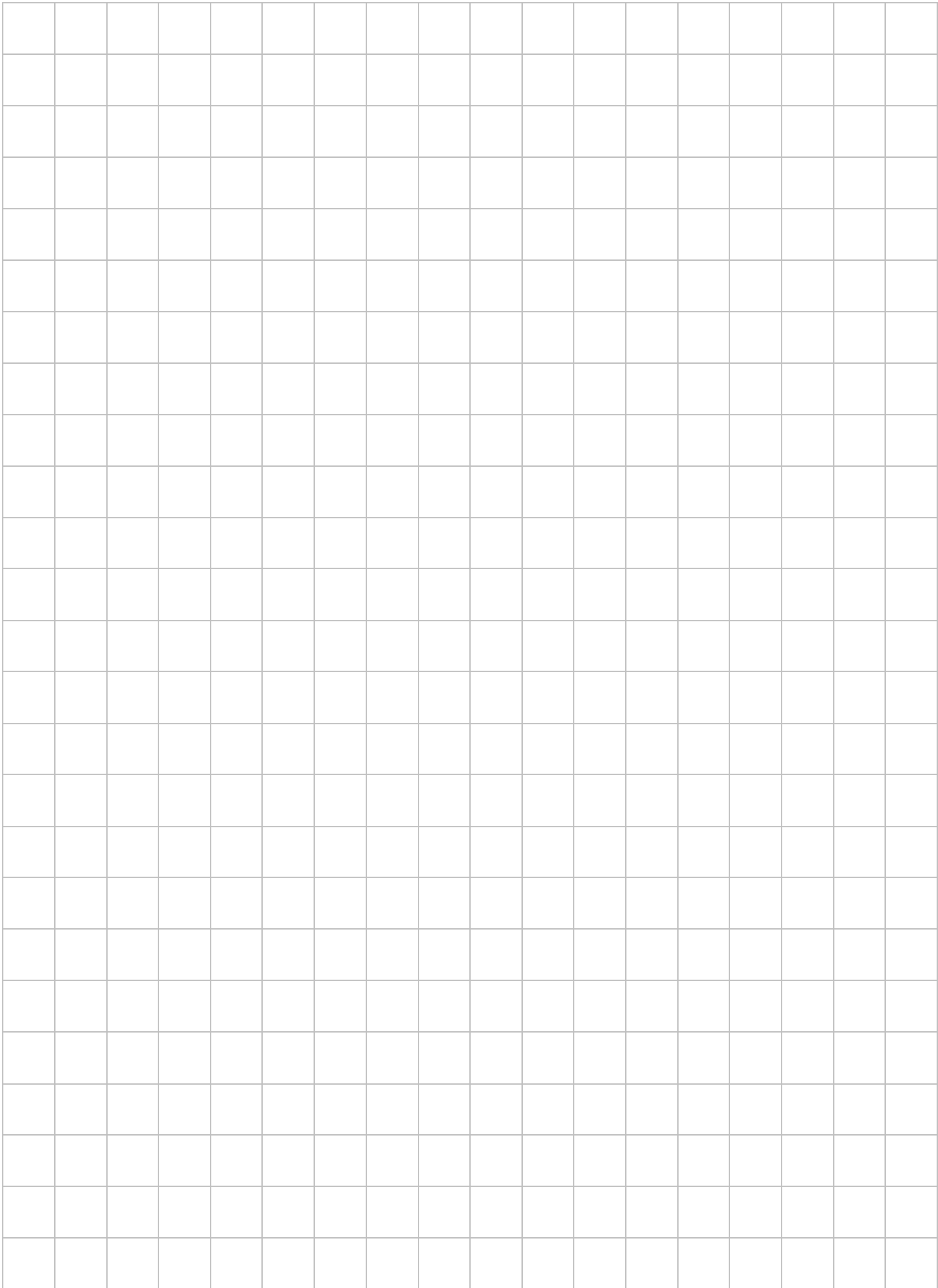


Figure 3









Pattern 14

A tiling company specialises in multi-colour tile patterns. A small guest house is interested in the pattern below for its square-shaped reception area. How many tiles will be needed in total if the reception area needs 36 green tiles in the centre pattern?

