

INTRODUCTION

The author focuses on teaching the basic concepts of percentages in an easy simple nonthreatening way. She challenges the students to accept the percentages as a simple mathematical procedure, nothing to be afraid of.

Percentages are an important part of everyday life. Wherever we go, whatever we do, we are confronted by the sign %. Specials in shops, discounts in stores, borrowing money, saving money have percentages attached to it.

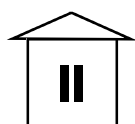
This workbook is one of many workbooks to follow to give the students the opportunity to learn percentages in a gradual and easy to follow manner.

There are 2 x 12 questions (problems) on each page. Answers are supplied, so the students can tick off each answer and see straight away if they are correct. If not, they can recheck where they went wrong.

To help the students to complete the worksheets, and to check and correct their mistakes by themselves, we made the worksheets compatible with the miniLUK self checking system.

Students like working with miniLUK. They feel more relaxed without somebody looking at their work and pointing out their mistakes. They work steadily towards the "finishing line", the completion of the sheet to see a pattern in the miniLUK box, it acts as an instant reward.

How to use the miniLUK is on the next page. However, it is not necessary to use the miniLUK for this workbook as the answers necessary to check the student's work are included on every worksheet.



MiniLUK Self Checking System

The advantage of the LUK system is that the students can work independently, check their answers and correct their mistakes.

The students like to work with the tiles, searching for the numbers and looking forward to be rewarded by a pattern. They think of LUK as a game.

How to use the miniLUK System.

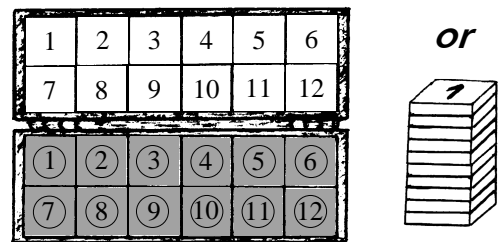
The lid of the mini LUK tray (box) is divided into 12 blank squares, the base is divided into 12 numbered squares. There are 12 numbered tiles to work with.

Step 1.

Place the 12 tiles in sequence from 1 to 12 into the blank squares on the lid of the miniLUK box.

or

Place the 12 tiles in sequence from 1 to 12 on the table ready to be used.

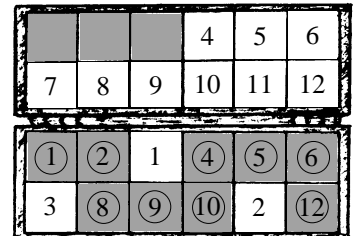


Step 2.

Choose your worksheet (page).

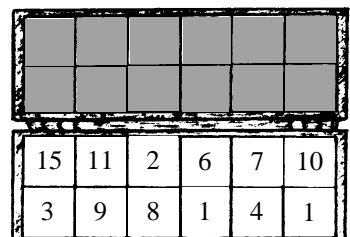
Step 3.

Pick up tile number **1** and place it under or next to the number 1 problem. Work out the problem and look for the answer (e.g. 30%). Next to the answer is a small number. This is the code number for the miniLUK box. Place the tile number **1** onto that number in the LUK box. Proceed to answer the rest of the questions in the same way.



Step 4.

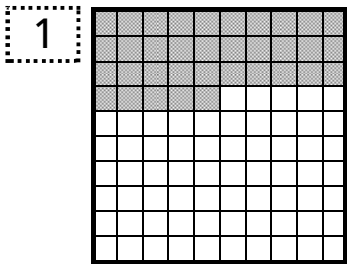
When finished and all tiles are placed on the correct squares, the task is completed. Close the lid of the box and turn the miniLUK over sideways. Open the lid and a geometrical pattern will be formed by the back of the tiles.



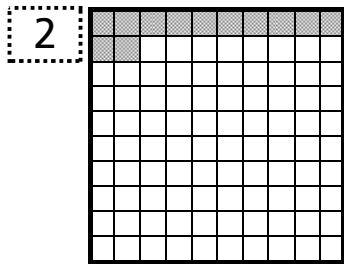
Step 5.

Now match the two patterns, the one on the sheet with the one in the box. If the answers are correct, the two patterns will match.

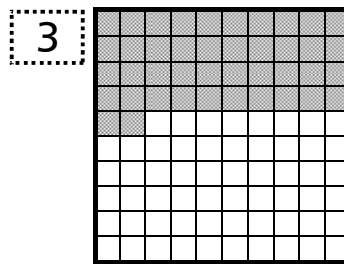
Colour the pattern to match it with the pattern in the LUK box.



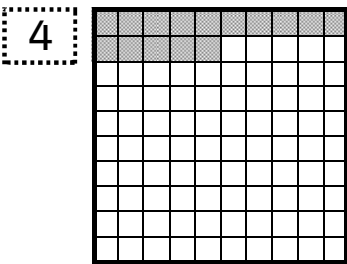
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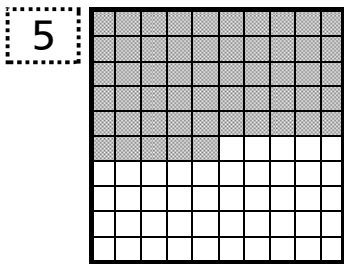
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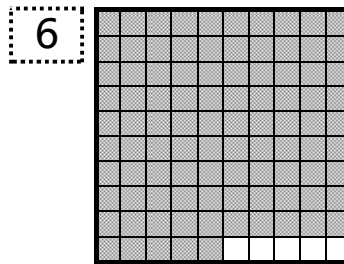
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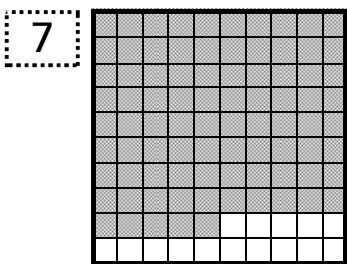
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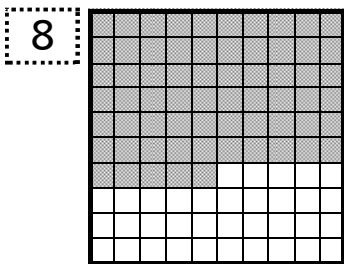
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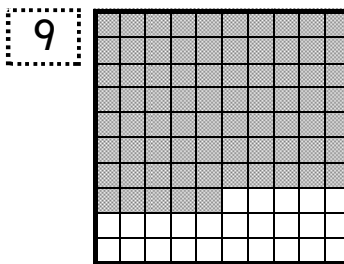
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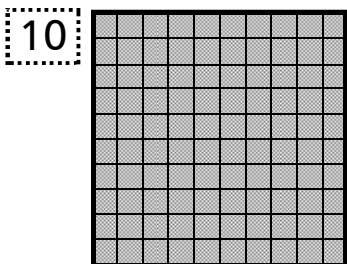
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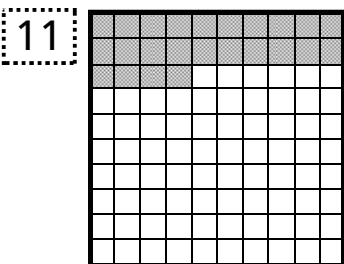
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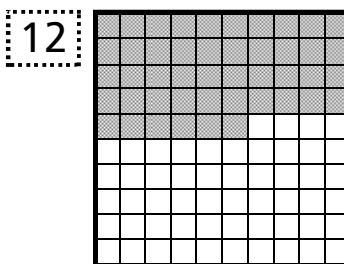
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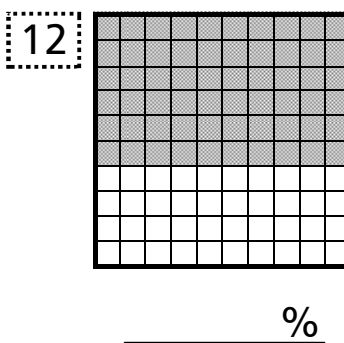
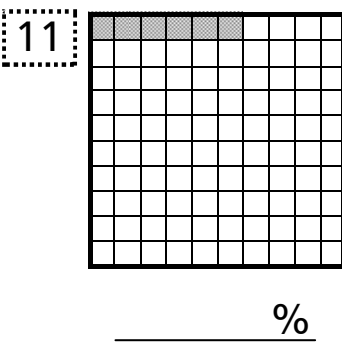
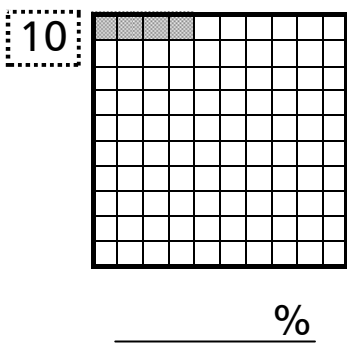
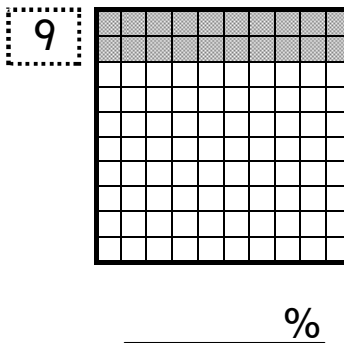
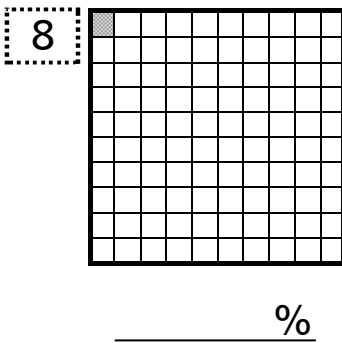
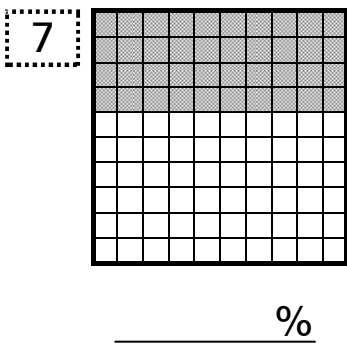
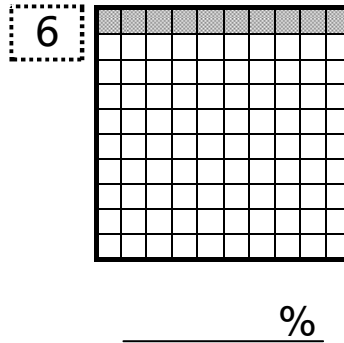
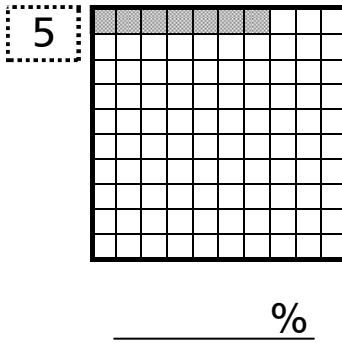
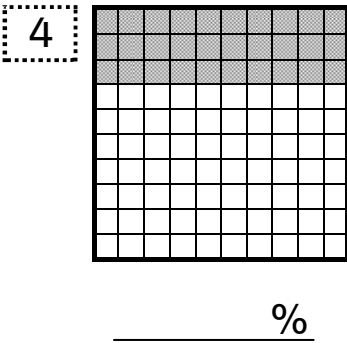
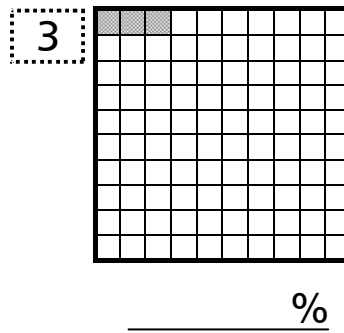
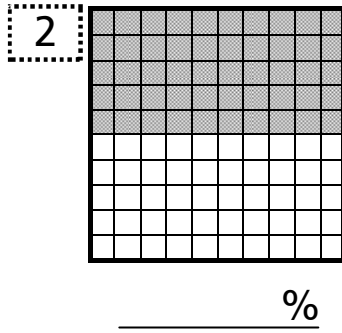
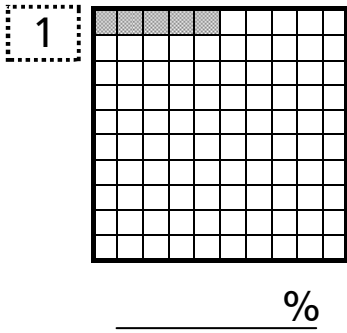
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42%	10
15%	12
65%	1
35%	11
12%	7
75%	9
55%	4
85%	6
95%	8
46%	2
24%	3
100%	5





7%	12
4%	3
50%	1
5%	9
30%	10
40%	4
3%	6
20%	5
1%	7
60%	8
6%	11
10%	2

