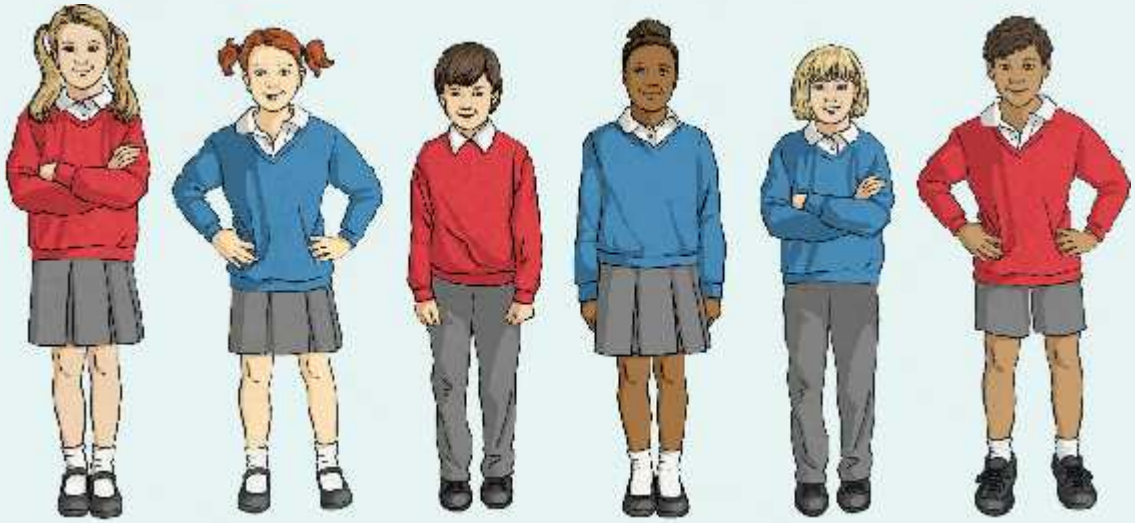
Division
Word Problems

One-Step Division Word Problem:
Exact Answer

A group of 48 children is divided into groups of 6 children.
How many groups will be formed?

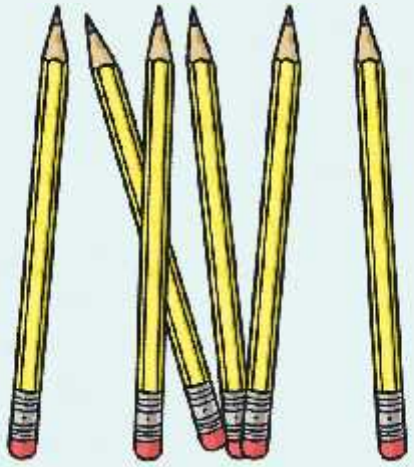


48 ÷ 6 = 8

There will be 8 groups.

One-Step Division Word Problem:
Remainder Not Used

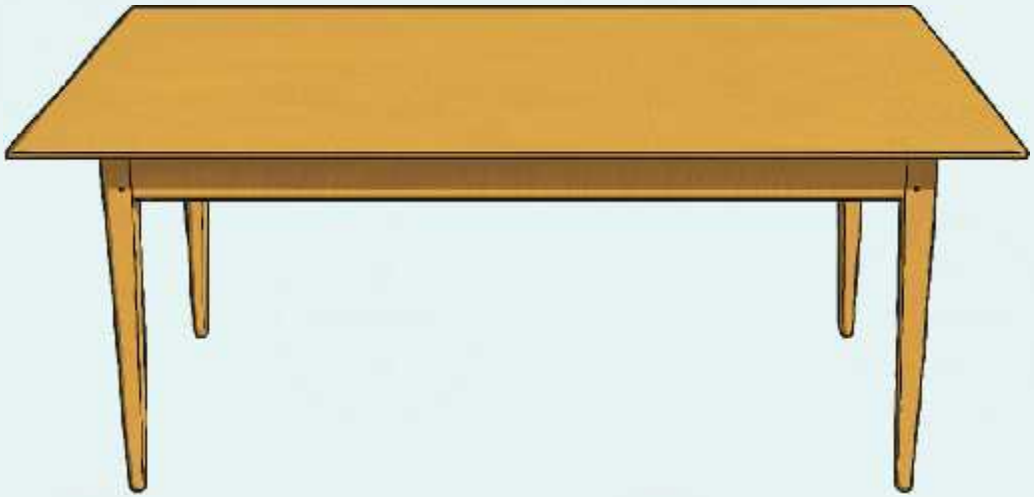
A pot holds 6 pencils.
How many full pots can be made from 51 pencils?



51 ÷ 6 = 8 r3
The remainder is not used.
8 pots will be filled with 6 pencils.

One-Step Division Word Problem:
Remainder Used

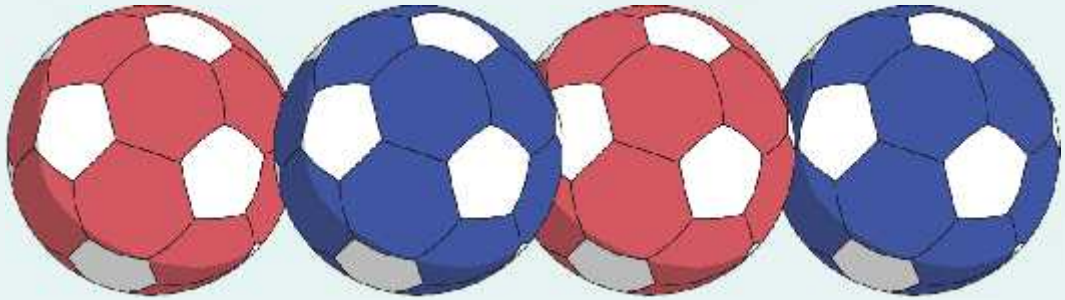
A table seats groups of 6 children.
How many tables are needed for 45 children?



45 ÷ 6 = 7 r3
The remaining children need a table.
8 tables are needed.

Two-Step Division Word Problem:
Division First

A sports shop has 3 packs of balls, each containing four balls. It also has 52 balls which are also made into packs of four balls.
How many packs of four balls are there now?



52 ÷ 4 = 13; 13 + 3 = 16
There are 16 packs of balls.

Two-Step Division Word Problem:
Division Second

There are 16 girls and 15 boys in a class. They are organised into tables of four. How many tables are needed to sit all of the children?

16 + 15 = 31; 31 ÷ 4 = 7 r3; the remainder is used.
8 tables are needed.

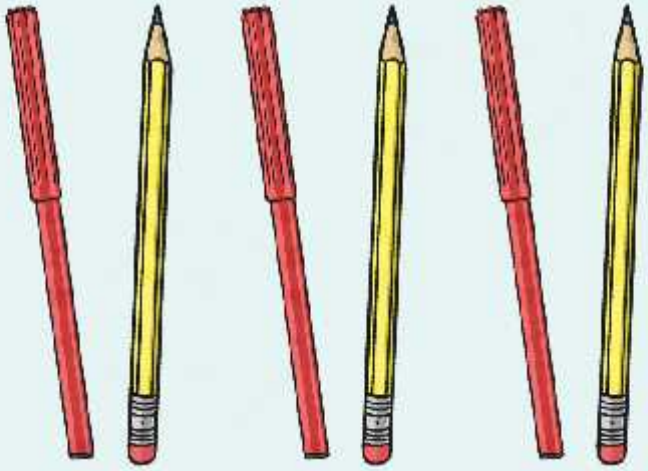
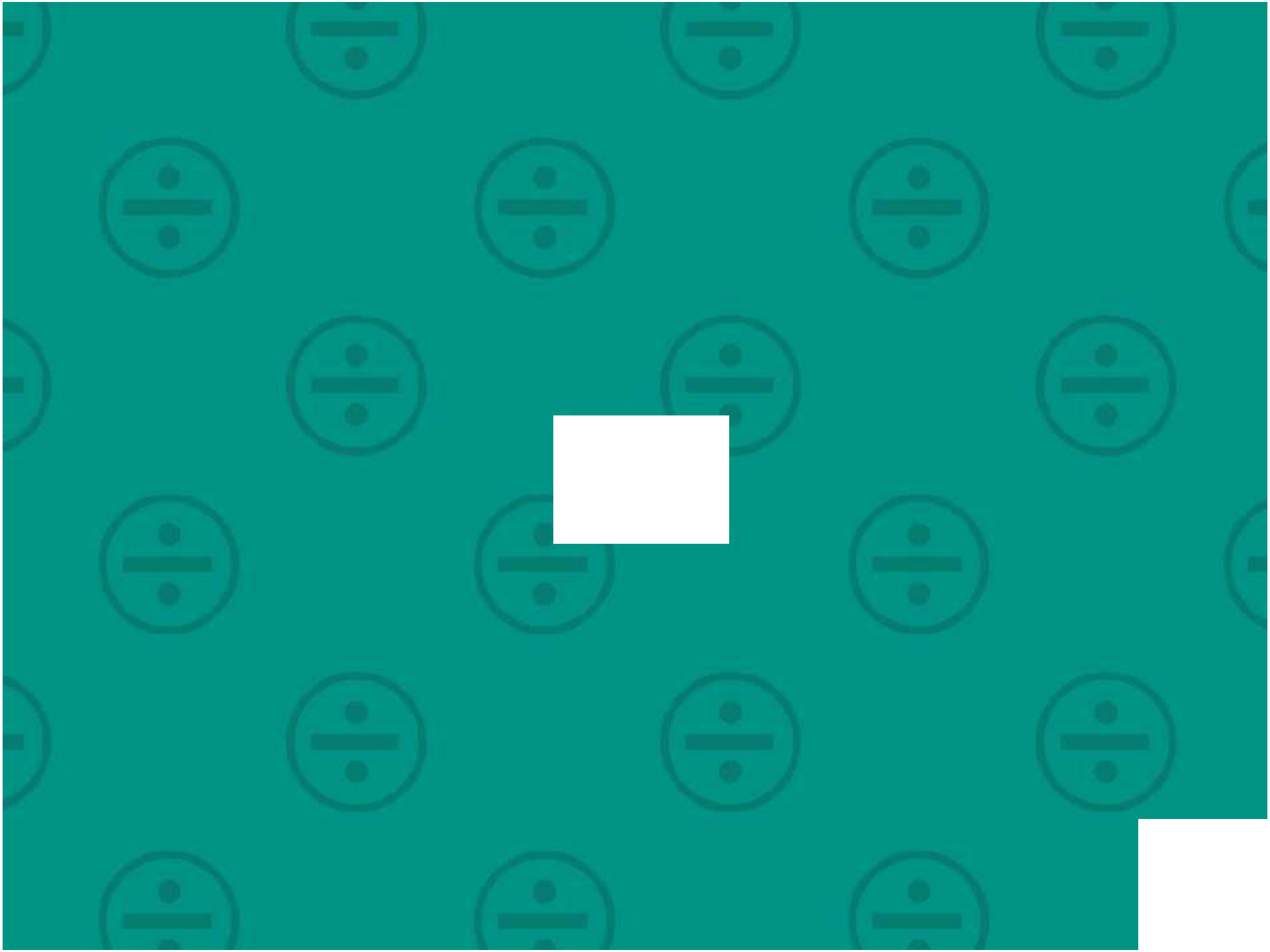
Multi-Step Division Word Problem (1)

A toy shop has 3 bags of 12 marbles, and 6 bags of 8 marbles. The marbles are combined to make new bags of 15 marbles. How many full bags will be made?

12 × 3 = 36;
8 × 6 = 48;
36 + 48 = 84;
84 ÷ 15 = 5 r9
5 bags of 15 marbles will be made.

Multi-Step Division Word Problem (2)

A teacher has 48 pencils and 27 pens. The teacher shares the pens and pencils equally into 6 pots. How many writing implements are shared into each pot?



48 ÷ 6 = 8;
27 ÷ 6 = 4 r3;
8 + 4 = 12
Each pot will have 12 writing implements.