1. How many are there in total?

2. Fill in the gaps. Make sure you look carefully at whether it is a division or multiplication
a) $6 \times 8=48$
b) $8 \times 7=56$
c) $10 \times 8=80$
d) $32=8 \times 4$
e) $72 \div 8=9$
f) $88 \div 11=8$
g) $40 \div 8=5$
h) $8 \times 1=8$
3. Look carefully at the sign.

There are 5 large boats and 8 small boats on a lake.
How many people are there in total on the lake?
Large boats $=5 \times 8=40$
Small boats $=8 \times 4=32$

Boats for Hire Large boat: holds 8 people

Small boat:
holds 4 people

4. Look carefully at my example.

$$
\begin{gathered}
10 \times 8=80 \quad \begin{array}{l}
16 \times 8=- \\
6 \times 4=48 \\
80+48=128 \quad \text { so. } \ldots . .16 \times 8=128
\end{array}
\end{gathered}
$$

Can you now work out $15 \times 8$ using my method?
$10 \times 8=80$
$5 \times 8=40$
$80+40=120$

In one colour can you colour the numbers in the 4 times table. In another colour can you colour the numbers in the 8 times table.

## Always, sometimes or never?

I. Numbers in the 4 times table are in the 8 times table.
2. Numbers in the 8 times table are in the 4 times table.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |

I. Numbers in the 4 times table are in the 8 times table.

## Sometimes -

$8,16,24,32,40$ and 48 are.
$4,12,20,28,36,44$ are not.
2. Numbers in the 8 times table are in the 4 times table.

## Always

Rosie has some packs of cola in a box.
Some packs have 4 cans in them. Some packs have 8 cans in them.


Rosie has 64 cans in total in the box.
How many packs of 4 cans and how many packs of 8 cans could there be?
Can you find all the possibilities? E.g. 2 packs of 4 and 7 packs of 8 .

## 0 packs of 4 and 8 packs of 8

2 packs of 4 and 7 packs of 8
IO packs of 4 and 3 packs of 8
4 packs of 4 and 6 packs of 8
12 packs of 4 and 2 packs of 8
6 packs of 4 and 5 packs of 8
14 packs of 4 and 1 pack of 8
8 packs of 4 and 4 packs of 8
16 packs of 4 and 0 packs of 8

