## Recall of facts

Recall and use multiplication
and division facts for $3 \mathrm{x}, 4 \mathrm{x}$ and
8 x tables.

1. Practice counting in order forwards and backwards
2. Recall the multiplication and division facts in order
3. Recall the facts in a random order and link them to fractions

Calculate using what you
know...
If 1 know $7 \times 3=21$ then
$8 \times 3=24$ because it is
one more group of 3 and

$$
6 \times 3=18 \text { because it is }
$$

1 less group of 3


1x $2 \mathrm{x} 3 \mathrm{x} 4 \mathrm{x} 5 \mathrm{x} 6 \mathrm{x} 7 \mathrm{x} \quad 8 \mathrm{x} 9 \mathrm{x} 10 \mathrm{x}$ | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Multiplication and division can be represented in different ways.. These structures show the relationship between multiplication and division.

```
Bar model
|\mp@code{7cycce}
```

```
7\times3=? 3 % \square=21
```

7\times3=? 3 % \square=21
21\div3=? 21\div\square=3

```
21\div3=? 21\div\square=3
```



Number Lines


If I know one fact, what else can I derive?
If I know... $4 \times 8=32$
Then I also know $8 \times 4=32$
And $\quad 32 \div 4=8$ and $32 \div 8=4$

## Count on in multiples of 4



Division as grouping
$30 \div 6$
30 put into groups of 6 gives 5 groups


## Problems

Sally has baked some buns. She counted her buns in 4's and had 3 left over. She counted them in fives and had four left how many buns has Sally got?

Scaling - How many times greater or smaller?
In a tube of smarties, for every blue smartie, there were 3 orange smarties
$\underline{9}$

