## Recall of facts

Recall and use multiplication and division facts for 2,5 and $10 \times$ tables.
Recall doubles and equivalent halves up to $15+15$

Recall doubles of multiples of 5 up to 50

Don't Count, Calculate...
If I know that... $2 \times 6=12$
I also know

$$
6 \times 2=12
$$

and

$$
12 \div 2=6
$$

$$
12 \div 6=2
$$

$$
\frac{1}{2} \text { of } 12 \text { is } 6
$$

double 6 is 12
If 1 know $7 \times 5=35$ then $8 \times 5=$ 40 because it is one more group of 5

## Doubling and Halving

Doubling is the same as multiplying by 2
Halving is the same as dividing by 2


Double 2 is 4


Half of 60 is 30

$5 \times 2=10$

$10 \div 2=5$

## Use a variety of words

multiple, multiply, array, tables, times, groups of, lots of, twice, double, repeated addition equal groups of, divide, divided by, divided into, remainder, partition, left over, half, quarter, third,


The bar model shows that $\frac{1}{2}=\frac{2}{4}$
$1=\frac{2}{2}=\frac{3}{3}==\frac{4}{4} \quad$ Equivalent fractions

## Problems

 Sally buys 3 cinema tickets costing $£ 5$ each. How much does she spend?Multiplication and Division (including fractions)

Comparing Numbers...... $<=>$
$4 \times 5<5 \times 5$
$30 \div 5>30 \div 10$
$\frac{1}{2}>\frac{1}{3}$

## Count on in multiples of 3 <br> $3+3+3+3+3=5 \times 3=15$ <br> 

B
Division as sharing and grouping

$$
10 \div 2=5
$$

Bob has 10 cakes. He shares them with Tim. How many do they have each?


Bob has 10 cakes. He puts 2 on each plate. How many plates does he have?

Always Sometimes Never?
If you double an odd number, the answer is always even? If you multiply a number by 5 , the answer is always even.

## Scaling

I have 5 cars. My friend has twice as many. How many do we have altogether?


