## Multiplying Numbers Mentally

Drawing Upon Known Facts


## Multiply by Partitioning 10s



Remember to add up all the calculations for the answer!

## Multiply by Partitioning 10s and Subtract

Round a number to the nearest 10 to make it easier to partition.

$$
19 \times 8=
$$



Remember to include the amount that needs to be subtracted to get back to the original number!

## Multiply by Complex Partitioning

You can use your multiplication knowledge of up to the $12 x$ table to answer much larger calculations.


$$
18 \times 12=144+72=\mathbf{2 1 6}
$$

Just partition the larger number into values you can already calculate mentally!


