## YEAR 4

## Addition

## Vocabulary:

thousands, hundreds, tens, ones, estimate, partition, recombine, increase, near multiple of 10 and 100, inverse, rounding, column addition, exchange, addend + addend = sum/total (See previous year groups)


Add decimals up to 2 decimal places (as money or measures):
$£ 15.54+£ 26.25=£ 41.79$


Use place value counters or money depending on the context.
Start with no exchanging leading to exchanging.

## Mental Methods:

```
Counting on:
2534 + 2150
2534+2000+100+50=4684
Using known facts and place value:
5060+47
60+47=107 so 5060+47=5107
0.6 +0.2
If 6 + 2 = 8 then 0.6 + 0.2 = 0.8
Redistribution:
2504+3234 redistribute to 2500 + 3238.
```

Add decimals up to 2 decimal places (as Add decimals up to 2 decimal places money or measures):
$£ 15.54+£ 26.25=£ 41.79$

$£ 26.25 £ 26.29 £ 26.79 \quad £ 31.79 £ 41.79$
(as money or measures):

| Expanded | Compact |
| ---: | ---: |
|  |  |
| $£ 26.25$ | $£ 26.25$ |
| $+£ 15.54$ | $\frac{+£ 15.54}{0.09}$ |
| 0.70 | $\frac{£ 11.79}{1}$ |
| 11.00 |  |
| $£ \frac{30.00}{}$ |  |
| 41.79 |  |

## Adjusting:

Demo on a number line first.
$2345+499$ (add 500 and subtract 1)
$2345+2999$ (add 3000 and subtract 1)

## Partitioning:

$2314+1242$
$2000+1000=3000$
$300+200=500$
$10+40=50$
$4+2=6$
$3000+500+50+6=3556$

