


Compare Objects - e.g. shells, stones,
conkers, tractors etc
Which is more/less?


|  |  | $30+\square=70 \quad 40=\square+7$ <br> Vocabulary: <br> Addition - add, more, total, sum, groups of, plus, increase, altogether. |
| :---: | :---: | :---: |
| Add numbers: a 2-digit number and ones, a 2-digit number and tens, 2 2-digit numbers, 3 1-digit numbers |  |  |
| Adding 3 1-digit numbers <br> Multilink/counters/objects | Adding 3 1-digit numbers <br> Number line: | Adding 3 1-digit numbers <br> Record as addition number sentence: $8+5+3=16$ <br> include missing numbers: $\square$ $+4+5=15$ $7+4+$ $\square$ $=14$ |
| Numicon $4+5+5=$ |  | Vocabulary: <br> Addition - add, more, total, sum, groups of, plus, increase, altogether, missing numbers, greater/less than. |
| Counting on in tens and ones | Counting on in tens and ones | Counting on in tens and ones |
| Base 10 | Number line - count on in tens then ones: | $\begin{aligned} & 23+12= \\ & 23+10+2=33+2=35 \end{aligned}$ |
| $30+7=37 \text { ('31, 32, 33, 34, 35, 36, 37') }$ |  | Including missing numbers: |
| Tens frames with counters | $2+14=2+10=12 ; 12+4=16$ | $32+\square=45$ |




Peover Superior Primary School - Addition Policy

|  |  |  |
| :---: | :---: | :---: |
| Other things which need to be explicitly taught: <br> Show addition can be done in any order but subtraction cannot. |  |  |


| Year 3 |  |  |  |
| :---: | :---: | :---: | :---: |
| Concrete |  | Pictorial | Abstract |
| Mentally add - 3-digit number and ones, a 3-digit number and tens, a 3-digit number and hundreds |  |  |  |
| Add \& Subtract multiples of 100 <br> Base 10 <br> Place value counters |  <br> Part w <br> Bar mo <br> 200 $\square$ <br> $60+$ ? | tract multiples of 100 <br> 00 <br> 400 | Add \& Subtract multiples of 100 $400+500=900$ <br> Include missing numbers $\begin{aligned} & 30+\ldots=100 \\ & +100=200 \\ & 400+200= \end{aligned}$ |
| Adding 3-Digit Numbers And Ones <br> Base 10 <br> Place value counters | Adding <br> Numbe | igit Numbers And Ones $\frac{42+6=348}{+6} 348$ | Adding 3-Digit Numbers And Ones $\begin{aligned} & 340+8=348 \\ & 342+6=348 \end{aligned}$ <br> Include missing numbers \& working systematically |







| Year 5 |  |  |
| :---: | :---: | :---: |
| Concrete | Pictorial | Abstract |
| Add whole numbers large numbers and decimals mentally (using known number facts) |  |  |
| (Refer back to previous years for concrete examples) | $12946+4=$ $12672+400=$ | Missing number problems $\square$ $+2 \square 5 \square 2$ $78529$ |
| Add whole numbers with up to 5-digits, using formal written methods, including decomposition. |  |  |
| See Year 4 for up to 4-digit examples |  |  |
|  |  |  |
| Add numbers with up to 3 decimal places using formal written methods, including decomposition. |  |  |


| Place value counters as tenths, hundredths. |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1.523+5.215=$ | $1.523+5.215=$ |  |  |  |  | $\begin{array}{r} 1.523+5.215= \\ 1.523 \\ +5.215 \\ \hline 6.738 \\ \hline \end{array}$$5.329+2.184=$ |
|  | ones | $\bullet$ | $\frac{1}{10}$ | $\frac{1}{100}$ | $\frac{1}{1000}$ |  |
|  | 1 | $\bullet$ | 5 | 2 | 3 |  |
| THHT U $\frac{1}{10} \frac{1}{100} \frac{1}{1000}$ | 5 | $\bullet$ | 2 | 1 | 5 |  |
| HF 10 U 100 | 6 | $\bullet$ | 7 | 3 | 8 |  |
| $5.329+2.184=$ | $5.329+2.184=$ |  |  |  |  |  |
|  | ones | $\bullet$ | $\frac{1}{10}$ | $\frac{1}{100}$ | $\frac{1}{1000}$ | $\begin{array}{r}5.329 \\ +2.184 \\ \hline 7\end{array}$ |
|  | 5 | $\bullet$ | 3 | 2 | 9 | 7 . 5113 |
| $\frac{1}{10} \frac{1}{100} \frac{1}{1000}$ | 2 | $\bullet$ | 1 | 8 | 4 |  |
| 10 ) | 7 | $\bullet$ | 5 | 1 | 3 |  |


| Year 6 |  |  |
| :---: | :---: | :---: |
| Concrete | Pictorial | Abstract |
| Add whole numbers with up to 5 digits using formal written methods |  |  |
| (Refer back to previous years for concrete examples) |  | $\begin{array}{r} 34621+25734= \\ 34463 \\ +25 \end{array}+$ <br> Missing number problems $\begin{array}{r} 522470 \\ +305904 \\ \hline 900302 \end{array}$ |
| Add numbers, including negative integers. |  |  |
| Understanding that we apply certain rules to calculations involving negative numbers. | $10+-16=-6$ | $10+-16=-6$ |
| Calculation $\quad$ Becomes |  |  |
| $\begin{array}{ll}+ & + \\ - & -\end{array}$ |  | $-12+-11=-23$ |
|  |  |  |

