Monday: To practise adding large numbers mentally.

Answers including Challenge

When working out calculation problems mentally, there are two strategies you could use. The first one is to mentally add each column; for example;

157 + 27 = (100 50 7) + (20 7). We can add the ones column 7 + 7 = 14 (= 10 + 4) then add the tens column 50 + 20 = 70. Add this to the answer from adding the ones column 70 + 10 + 4 = 84. We can see that there isn't anything to add the hundred to, so now we can put the number together 100 + 84 = **184. So our answer is 184.**

The other way is to first, round up to the nearest ten, 157 is nearer to 160 (this means we had to add 3), 27 is nearer to 30 (this means we had to add 3). 160 + 30 = 190. Then we need to remember to subtract the amount we added to each number to round them up. 190 – 3 = 187. 187 – 3 = **184. So our answer is 184.**

Work out mentally, write the answer only.

1) 35 + 47 =   2) 58 + 36 =   3) 324 + 68 =   4) 419 + 46 =
1) 35 + 47 = 82   2) 58 + 36 = 94   3) 324 + 68 = 392   4) 419 + 46 = 465
5) 5900 + 9500   6) 6500 + 7500 =   7) 97 000 + 89 000 =   8) 73 000 + 98 000

5) 5900 + 9500 = 15 400   6) 6500 + 7500 = 14 000

7) 97 000 + 89 000 = 186 000   8) 73 000 + 98 000 =

CHALLENGE

1) 275 + 46 =   2) 893 + 97 =   3) 356 + 74 =   4) 464 + 89 =
1) 275 + 46 = 321   2) 893 + 97 = 180   3) 356 + 74 = 430   4) 464 + 89 = 553
5) 388 + 22 =   6) 977 + 36 =

5) 388 + 22 = 410   6) 977 + 36 = 1 013

7) ? + 4700 = 120 000   8) 55 000 + ? = 141 000

7) 115 300 + 4700 = 120 000   8) 55 000 + 86 000 = 141 000