

Cambridge Home Learning

Answer Sheet

Notes: Number triangles

9 to 11

Solutions

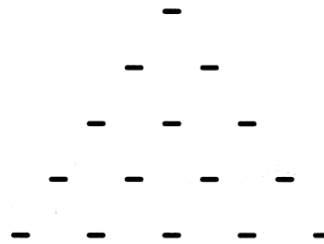
```
      96
     40 56
    16 24 32
   6  10 14 18
  2  4  6  8 10
```

```
      107
     59 48
    29 30 18
   11 18 12 6
  4  7  11 1 5
```

```
      154
     75 79
    34 41 38
   15 19 22 16
  13  2  17 5 11
```

Extension

Choose any 5 different numbers. Place them at the base of this triangle. Arrange them so that the total at the top is as high as possible.



Put the largest of the 5 numbers in the centre, and the next two on either side of it. The maximum total at the top is 6 times the largest of the 5 numbers, plus 4 times the sum of the next two, plus the sum of the two smallest.

Add and subtract numbers
Work out a strategy