Add and Subtract positive and negative numbers

- 1. Calculate:
 - (a) -5 + 8

- **(b)** -2-11
- (c) -9 + (-4)

(d) 18 - (-3)

- (e) -21 (-5)
- (f) 8 + (-6)
- [6]
- 2. The temperature in Aberdeen one morning is -2° C. During the day the temperature rises by 9 degrees.

What is the temperature now?

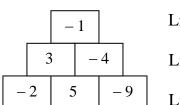
[1]

3. Yesterday Frank's bank balance was £215. Today it is - £47.

How much has Frank spent?

[1]

4. In the triangular number table shown opposite, Line 2 is formed by adding the 2 cells directly below in Line 1. (-2 + 5 = 3)Line 3 is formed by adding the 2 cells directly below in Line 2. (3 + (-4) = -1)



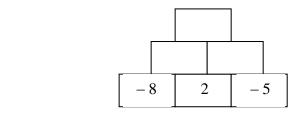
Line 3

Line 2

Line 1

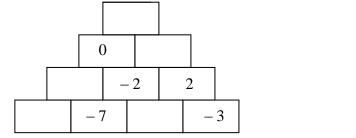
Using the same rules as above copy and complete the tables below.

(a)



[3]

(b)



[6]

5. Freezers operate at different temperatures depending on their star ratings. A 1 star freezer operates at -6° C and a 2 star at -12° C.

What is the difference in the operating temperatures of these two freezers?

[1]

[22 marks]