Some calculations look like they need a formal written method BUT actually can be solved mentally or with a simple jotting.

For example last week we used a column addition and subtraction to calculate. This week we will use different strategies.

Addition and subtraction:

Strategy 1:

Partitioning:

643 + 270 can be easily calculated mentally by

643 + 200 = 843

843 + 70 = 913

Strategy 2:

Adjusting:

8.5 - 3.9 can be easily calculated mentally by

8.5 - 4 (3.9 + 0.1)= 4.5 + 0.1

 = 4.6

Strategy 3:

Counting up:

7,003 – 4,964

4,964 +   **6** = 4,970

4,970 +   **30** = 5,000

5,000 + **2,003** = 7,003

6 + 30 + 2,003 = 2,039

Therefore 7,003 – 4,964 = 2,039

EFFICIENT METHODS

Do I just know it?

Can I work it out in my head?

Do I need jottings?

Last resort – full written method!

Have a go:

Remember you can use a mental strategy to solve these questions. You can check your answers using a formal written method.

A)   304 + 298

B)   197 + 202

C)   403 + 395

D)   807 - 472

E)   702 - 281

F)   2.4 + 1.1

G)   5.8 - 1.1

H) 6.7 - 4.1

I) ? + 3,800 = 7,100

J)   8,400 - ? = 3,679