

# Y6 SATs

# Algebra & Unknowns BOOSTER

Help Code : 017

**RECOMMENDED!** - mental maths TES resource  
Interactive + Self-Marking [CLICK HERE](#)

2013A KS2 Q15



Four children are in a race.

Chen is 2 metres ahead of Alfie.

Nina is 5 metres behind Megan.

Alfie is 3 metres behind Megan.

Write the names of the runners in order, starting with the child who is furthest ahead.

\_\_\_\_\_

furthest ahead

2013A KS2 Q24



A cake costs 15p more than a biscuit.

Megan bought a cake and two biscuits for 90p.

How much do a cake and a biscuit each cost?

Show your working

Cost of a cake  p      Cost of a biscuit  p

2012A KS2 Q21



Mina has **5 more** marbles than Kirsty.

Kirsty has **2 more** marbles than Seb.

Altogether they have **30** marbles.

How many marbles does each child have?

Show your working

Mina       Kirsty       Seb

2010A KS2 Q15



An iced cake costs 10p more than a plain cake.

Sarah bought two of each cake.



They cost £1 altogether.

What is the cost of an **iced** cake?

Show your working. You may get a mark.

p

2006A KS2 Q23

$k$  stands for a whole number.

$k + 7$  is greater than 100

$k - 7$  is less than 90

Find **all** the numbers that  $k$  could be.



2004A KS2 Q22

Liam thinks of a number.

He **multiplies the number by 5** and then **subtracts 60** from the result.



His answer equals the number he started with

What was the number Liam started with?



Show your **working**. You may get a mark.



2000A KS2 Q12

Leon and Sara each started with **different** numbers.

I added 5 to my number.

I subtracted 8 from my number.



Leon



Sara

Leon and Sara both get the **same** answer.

What numbers could they have started with?



Leon

Sara

