

# Maths Problems

Here are 10 more maths problems for you to think about. The answers are on the following slide. Try not to peep until you have solved the problem, or had a good think about it.

If you can, talk to someone about the problem.

1.

A number was partitioned into:

$$8,000,000 + 5,000 + 900 + 70 + 6$$

What was the number?

1.

8,005,976

2.

Subtract the square of 4 from the product of 8 and 7

2.

40

3.

Tyler has 97 matchsticks.

He makes as many separate square with them a he can.

How many matchsticks does he have left over?

3.

2

4.

Write the year 1954 in Roman numerals.



4.

MCMLIV

5.

Abigail subtracted a number from 507,302 and she got 502,302

What number did she subtract?

5.

5000

6.

A house costs more than £315,250 and less than £437,810.

Which of the house prices below could be the cost of the house?

£426,180

£312,980

£315,175

£440,600

£415,860

6.

£315,175

£426,180

£415,860

7.

6.37

5.39

7.32

5.86

Which of these decimals has the digit 3 in the tenths place and rounds to six when rounded to the nearest whole number?

7.

6.37

8.

Look at the sequence

1.4

2.1

3.5

4.9

What will the next two numbers be?

Will the number 7 be in the sequence?

Explain your reasoning.



8.

5.6    6.3

Yes - they are all multiples of 0.7  
and  $7 = 10 \times 0.7$

9.

If  $7 \times 9 = 63$ , what will the answer be to

a)  $630 \div 9$

b)  $70 \times 90$

9.

a) 70

b) 6300

# 10.

Chloe added seven to a number then multiplied it by 3. Then she halved it, and the answer was 18.

What number did she first think of?

10.

5

"It's not that I'm so smart; it's just that I stay with problems for longer."

*Albert Einstein*