How do I get better at Maths?

Can I show? · Can I explain? · Reasoning · Can I prove? · Can I think of a quick way to solve the problem?

Number bonds

NUMBER BOND

10

7 3

REPRESENTATION → 7 + 3 = 10

4 x 4 = 16

Times tables

8x
8 × 1 = 8
8 × 2 = 16
8 × 3 = 24
8 × 4 = 32
8 × 5 = 40
8 × 6 = 48
8 × 7 = 56
8 × 8 = 64
8 × 9 = 72
8 × 10 = 80

Facts

Division facts

3 x 6 = 18
18 ÷ 3 = 6
6 x 3 = 18
18 ÷ 6 = 3

Symbols and vocabulary

Methods

How to do something

Step by step

Column Subtraction no borrowing!

H T O
763
− 341
422

213 × 3

3 × 3   3 × 10   3 × 200

213 × 3   213 × 3   213 × 3

1.4 ÷ 10

Ones	Tenths	Hundredths
1	4	

1.4 ÷ 10

Ones	Tenths	Hundredths
1	4 →	

Area = length x width

Perimeter = add up all of the lengths

Perimeter   Area

Problem solving

i KNOW:
Samuel will charge $15 per day to tutor
1 week = 7 days

i Need to KNOW:
$___ if he tutors for 2 weeks

PLAN AND WORK:
$ charged | 15 ×14 = 210
number of days | 1 ×14 = 14
1 week = 7 days
2 weeks = 14 days

SOLUTION:
Samuel will charge $210 to tutor for 2 weeks.

MANEUVERING THE MIDDLE

Think logically in small chunks

CUBES
- C — Circle the numbers
- U — Underline the question
- B — Box the important words
- E — Eliminate what you don't need
- S — Solve and label

Follow a process

Is there a more efficient method?

What information is important?

What method(s) can I use?

Learning in Maths