10.2.21

Arithmetic

1. ? x 9 = 126

2. ? - 320 = 2,437

3. ? + 4,800 = 7,000

4. 2,127 + ? = 2,534

5. 6,400 + 54 = ?

6. 8,900 - ? = 3,600

FB4

Flashback 4 | Year 6 | Week 5 | Day 5

1) If $x = 15$, what is the value of $3x$?

2) 62% of the sweets in a bag a red.
What percentage of the sweets are not red?

3) Multiply 4.7 by 5

4) Add 2,999 to 18,346

White Rose Maths

Problems of the Day

Problems of the Day 2020

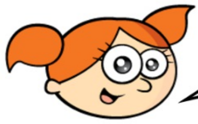
Day 13

1 Sam has £29
He gets £28 more for his birthday.
He buys this cap and jumper with his money.

How much money does he have left?

2 One fifth of a number is 12
What is a half of the number?

3



I have 207 stickers

I have 150 stickers

Mo gives Alex some stickers.
Alex now has twice as many as Mo.
How many stickers did Mo give Alex?

White Rose Maths

Forming equations

White Rose Maths

To form an equation we need to know what the difference is between that and an expression.

An expression could be $y + 7$

An equation could be $y + 7 = 12$

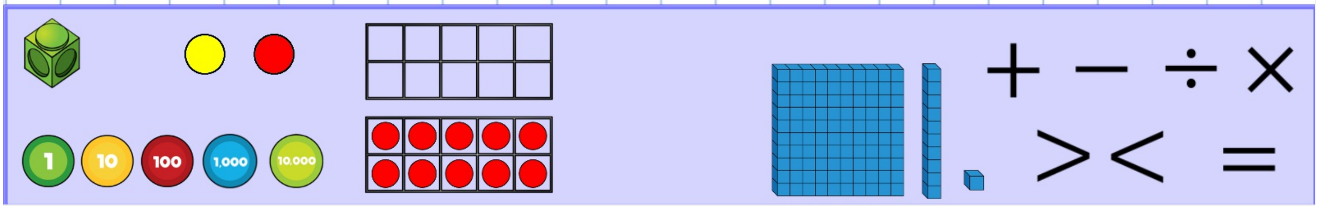
Forming equations

An expression could be $y + 7$

An equation could be $y + 7 = 12$

An expression can have different values depending on the value of y.

An equation has a specific unknown value (y).



A formula is used to give a specific bit of information. We substutute in values to give us that piece of information.

Example formula (for the number of cases needed)

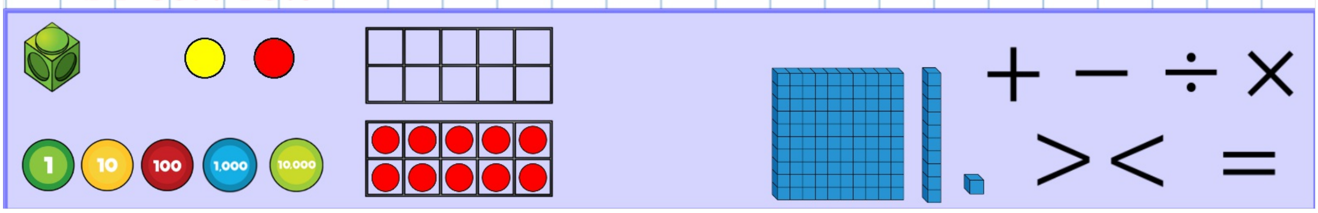
$$N = 3t + 4$$

t is the number of tins, so t could be a range of numbers

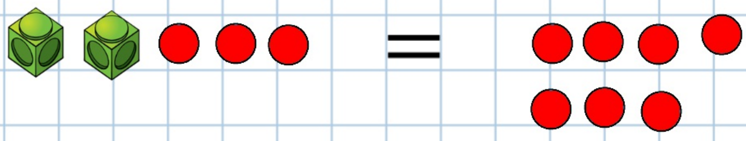
In an equation, the unknown value is specific

$$t + 4 = 9$$

t can only be 5, if any other value is put in it can't be correct.

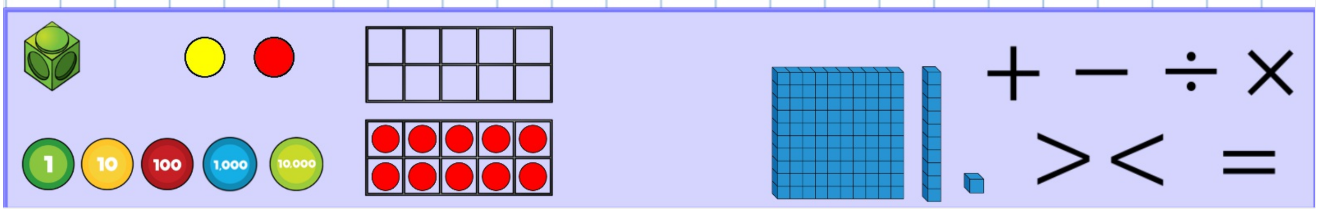


Forming equations



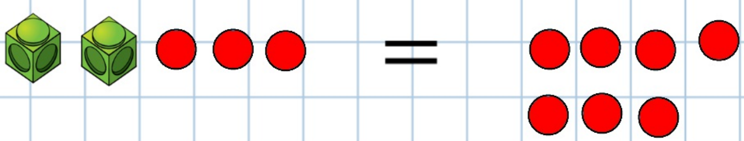
We could write this as an equation as:

$$2y + 3 = 7$$

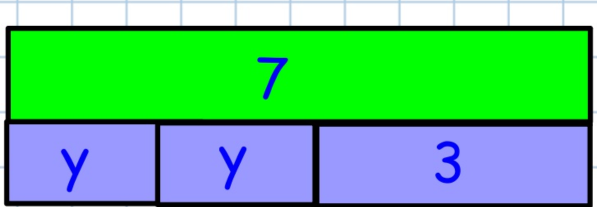


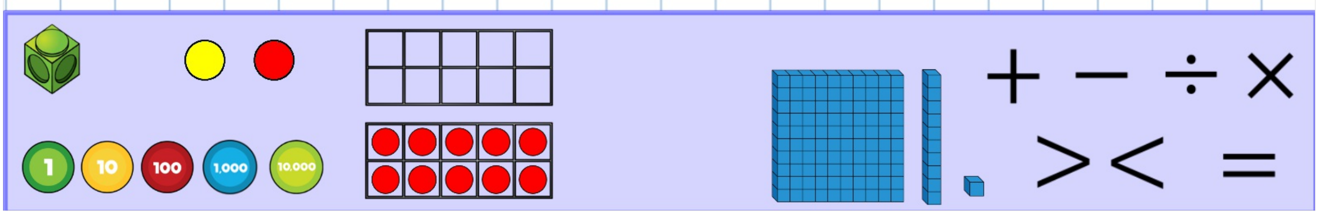
Forming equations

$$2y + 3 = 7$$

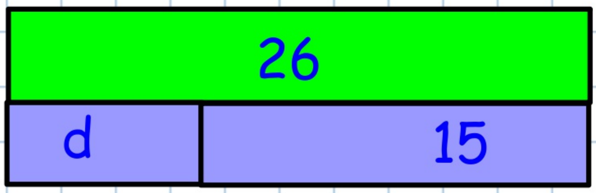


We could write this as a bar model as:



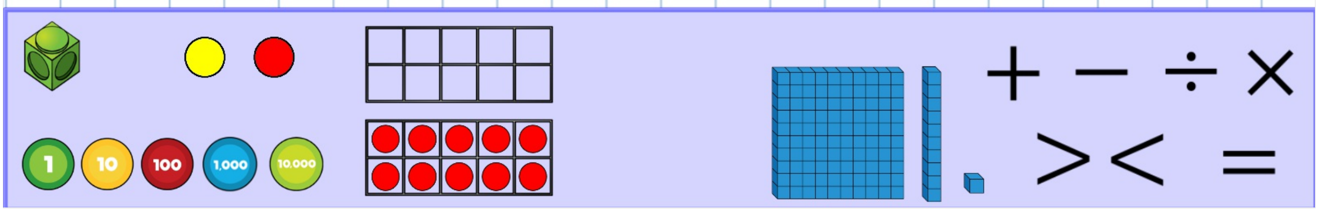


Forming equations



We could write this as an equation as:

$$d + 15 = 26$$



10.2.21

Forming equations

Vocabulary

- algebra
- function
- input
- output
- one-step
- two-step
- expression
- algebraic input
- formulae
- equation

10.2.21 Forming equations

Today we are learning to form one-step equations

I will be successful if:

- I use my understanding of forming expressions.
- I know the difference between an expression (e.g. y + 5 which can have different values depending on the value of y) and an equation (e.g. y + 5 =12, where the y has a specific value).

10.2.21

Plenary

True or False?