$$
\frac{2}{16} * \frac{8}{8}
$$

HELLO!
Today we are going to revise Algebra

$$
\frac{4}{6}=\frac{8}{?}
$$

Use the space under each question to show your working out.

1. $87763+45408=$

87763

+ 45408


## Revision on Algebra

## Today we are going to revise how to:



ภuse words, letters or shapes to represent unknown number in formulae.use formulaesolve equations

- 

create, describe and continue linear number sequences
(number patterns)

## Revision: Understanding and using formulae

Words, letters and shapes are used in algebra to represent actual numbers.
The amount of pocket money Kate gets each week depends on the amount of chores she completes. This formula (rule) shows how her pocket money is calculated.

$$
T=35 c+50
$$

$\mathrm{T}=$ the total amount of pocket money Kate gets in pence.

$\mathrm{c}=$ the number of chores she completes.


If Kate completes 4 chores this week, how much pocket money will she get?
$\square$

## Revision: Creating and using

Abby gets paid $£ 10$ for delivering leaflets and then gets an extra 20 p for each leaflet given out.

If: $T=$ the total amount of money Abby earns in pence
$L=$ the number of leaflets she delivers
Now write a formula to represent this situation:


If Abby delivers 150 leaflets, how much money will she earn that day? Write your answer in pence ( $p$ ) and then in pounds ( $£$ )

## Revision: Using formulae

To find the area of any triangle we use the formula:

$$
A=\frac{b \times h}{2}
$$

Where:
A = Area of the triangle
$b=$ length of the base of the triangle
$h=$ height of triangle


What is the area of this triangle?

## Question 1

## Complete

| What do you <br> notice? | Maria bakes cakes and sells them in bags. <br> She uses this formula to work out <br> how much to charge for one bag of cakes. <br> Can you <br> show your <br> working out? | Cost = number of cakes $\times \mathbf{2 0 p}+\mathbf{1 5 p}$ for the bag |
| :--- | :--- | :--- |
| How much will a bag of 12 cakes cost? |  | How could <br> you extend <br> the question? |

I can create and understand formulae

๑. I can use formulae

How do you feel about what we've been doing?


Is there something you would like to go over?

## Revision: Solving equations

You can think of the equal sign (=) as a set of balancing scales. In order to solve an equation, the numbers need to balance.

What numbers could go in the boxes to make this equation equal?


## Revision: Solving equations

1. Solve this one

2. Think of another pair of numbers that could solve this equation.

## Question 4

© Complete


# Revision: Creating, describing and continuing linear number sequences 

A number sequence is a pattern of numbers that follow a rule.

1. Fill in the missing terms
11, 18, 25, 32,


The rule is:


> So what number would go
> before 11? How did you work it out?

2. Now try this one
27, 21, 15,


The rule is:


So what number would go
before 27? How did you work it out?



Look at the pattern - how many counters are added on each time? Can you see which two counters stay the same each time?

The rule is: $\square$

## Question 3

## Complete

| $\begin{gathered} \text { What do you } \\ \text { notice? } \end{gathered}$ | $4,9,14,19,24$ <br> Tick the rule that describes the sequence of numbers $\mathrm{n}=$ pattern number | What do you know? |
| :---: | :---: | :---: |
| $\int_{\text {Chow your }}^{\text {can you }} \text { working out? }$ | $2 n+5 \quad 4 n-2 \quad 5 n-1 \quad 3 n+5$ | $\begin{gathered} \text { How could } \\ \text { you extend } \\ \text { the question? } \end{gathered}$ |

## Let's review:



$\bigcirc$
I can solve simple equations.

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I can create, describe and continue linear number sequences using a formula.

How do you feel about what we've been doing?


Is there something you would like to go over?

