## Canonbury Home Learning

## Year 6 Maths

Developing activity
Lesson 2

## LO: TBAT calculate the perimeter of a shape.

## Success Criteria:

## 1. The perimeter is the outside space of a shape.

2. Add the lengths and widths together.
3. Remember rectangles opposite sides are the same length and squares have lengths and widths that are the same size.

## Model



## Now you try...

## Finding the Perimeter



## Year 6 Maths

## Expected/Greater depth activity

## Lesson 1

## LO: TBAT solve problems including finding the area of a shape.

## Task:

## You are going apply your knowledge to solve several problems including area.

## Success Criteria:

```
    1. Identify the measurements given.
    2. Convert any measurements if needed.
    3. Find the area of the shape area \(=\) length \(x\) width.
    4. For some questions you may have to compare between 2 measurements using one of the 4 operations (,,\(+- x\) or \(\div\) )
```

Recap:

Finding the Perimeter: Rectangles and Parallelograms

The perimeter:
$10 \mathrm{~cm}+10 \mathrm{~cm}+4 \mathrm{~cm}+4 \mathrm{~cm}=28 \mathrm{~cm}$


Rectangles and parallelograms have two pairs of equal parallel sides, so you could also work it out like this:
multiply 10 cm by 2 and 4 cm by 2 and add the totals together:

$$
10 \times 2=20 \text { and } 4 \times 2=8 \text { so } 20+8=28 \mathrm{~cm}
$$

or
add 10 cm and 4 cm then multiply by 2 : $10+4=14 \longrightarrow 14 \times 2=28 \mathrm{~cm}$


## Finding the Area

You can calculate the area of shapes made up of rectangles by breaking them down into individual rectangles.


$10 \mathrm{~cm} \times 3 \mathrm{~cm}=\mathbf{3 0} \mathbf{m}^{\mathbf{2}}$
$6 \mathrm{~cm} \times 7 \mathrm{~cm}=42 \mathrm{~cm}^{2}$
$30 \mathrm{~cm}^{2}+42 \mathrm{~cm}^{2}=72 \mathrm{~cm}^{2}$

## Canonbury Home Learning

PRIMARY SCHOO

## Year 6 Maths

## Main activity

Complete at least 2 columns, more if you can!


## Task 3

Tommy has a $8 \mathrm{~cm} \times 2 \mathrm{~cm}$ rectangle. He increases the length and width by 1 cm .

| Length | Width | Area |
| :---: | :---: | :---: |
| 8 | 2 |  |
| 9 | 3 |  |

He repeats with a $4 \mathrm{~cm} \times 6 \mathrm{~cm}$ rectangle.

| Length | Width | Area |
| :---: | :---: | :---: |
| 4 | 6 |  |
|  |  |  |

What do you notice happens to the areas?
Can you find any other examples that follow this pattern?

Are there any examples that do not follow the pattern?

