



**YEAR 4**

**Thursday 29<sup>th</sup> February**

**Homework Tasks (Year 4):**

- **Maths:** Please complete and Mark the 'Length and Perimeter' tasks on the next page of this document

*Please place your homework books in the homework box by **Wednesday 6<sup>th</sup> March***

- **Spelling:** A spelling test, on **Spring Term 2 -Week 1 Red words** will take place on **Thursday** (see the separate spelling sheet for this term – it is split into weeks and you will be instructed which week we are currently learning). Don't forget you have access to spelling shed to help you practice too!
- **Times Tables:** Please complete - and mark- Spring Term: Workout 7 p38-39 of your CGP 10-minute weekly workout book and your weekly test on the **2x, 3x and 12x** table will be on **Friday**
- **Reading:** Please read for 45mins throughout the week.

Reasoning and Problem Solving  
Length and Perimeter Consolidation – Year 4

Farmers Allen, Biggs and Cogsworth all live along Countryside Lane. Farmer Allen lives 2,000m away from Farmer Biggs and Farmer Biggs lives 4,000m away from Farmer Cogsworth.



1. A cheeky fox has made his den on Allen's farm. On Monday, the fox snuck under Allen's gate and into Farmer Biggs' chicken coop for a disco. He then tunnelled his way from Biggs' farm to Cogsworth's rabbit hutch for a party. How many kilometres long is the tunnel?

2. On Tuesday, the cheeky fox let all Farmer Allen's sheep out of their enclosure and they raced to Farmer Biggs' and back again. How many kilometres did they race?

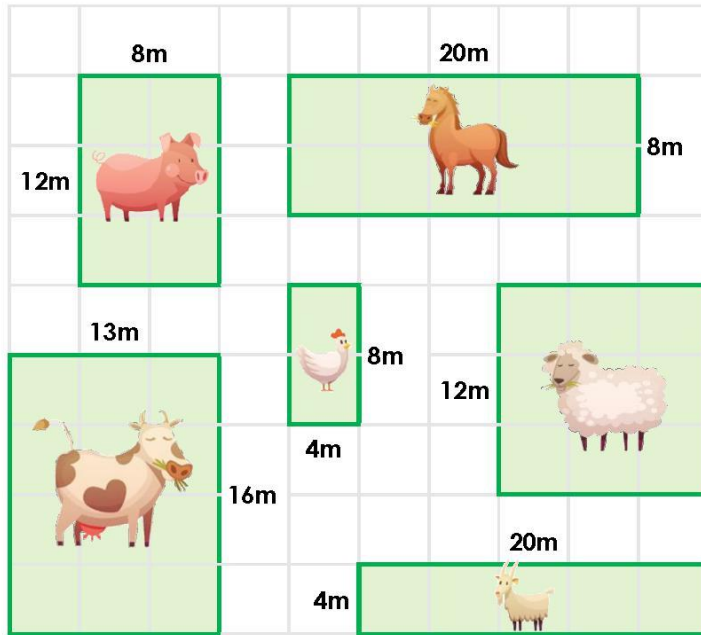
3. On Wednesday, the farmers decided enough was enough. "My chickens haven't laid any eggs since last week! The animals are tired all day because they run wild at night with that pesky fox!" groaned Farmer Biggs. "We need to secure our farms!" Frustrated, Farmer Allen drove his tractor straight down Countryside Lane to Cogsworth's farm. He stopped to pick Farmer Biggs up on the way, and dropped him off on the way home. How many kilometres did he have to drive to get there and home again?

**Reasoning and Problem Solving**  
**Length and Perimeter Consolidation – Year 4**

4. Farmer Allen has suggested the farmers should build taller fences around each of their animal enclosures.



Find the perimeter of each animal's enclosure on Farmer Allen's farm.



Animal	Perimeter of Enclosure
Horses	
Pigs	
Cows	
Sheep	
Goats	
Chickens	

5. Which animal's enclosure will take the most fencing? Why?

6. Which two enclosures have the same perimeter?

7. Farmer Allen is thinking of adding turkeys to his farm, but they will need their own enclosure. He wants the perimeter to be 30 metres. Each square on the planning grid is one metre squared.

Draw a possibility for the perimeter of the new enclosure on the grid.



# Answers

1.  $6,000\text{m} = 6\text{km}$
2.  $4,000\text{m} = 4\text{km}$
3.  $6000\text{m} + 6000\text{m} = 12,000\text{m} = 12\text{km}$

4.

Animal	Perimeter of Enclosure
Horses	56m
Pigs	40m
Cows	58m
Sheep	48m
Goats	48m
Chickens	24m

5. The cows enclosure will take the most fencing because it has the longest perimeter.
6. The sheep and goats enclosures have the same perimeter: 48m.
7. Various answers, for example:

