



Year: 6

Date: 08/10/20



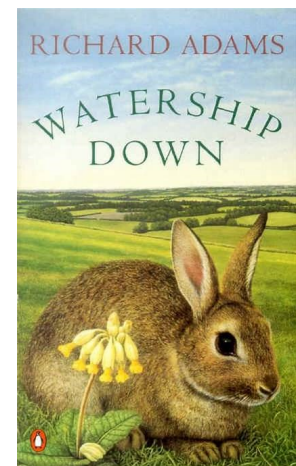
What is Further Learning?

Further Learning is a key part of your child's development and strengthens the links between home and school. Please encourage your child to be an independent learner with their Further Learning. Year 6 is an important time for your child and it is vital that you support them to complete their Further Learning every week. Each week, your child will have an English activity, a list of spellings and a set of maths questions. As always, thank you for ensuring your child reads for 20 minutes every day.

Thank you. Miss Clark

Each week, we'll look at a book that you might want to read at home. These books are all appropriate for a child working at the expected level for Year 6.

Watership Down is a survival and adventure novel by English author Richard Adams. Set in southern England, the story features a small group of rabbits. Although they live in their natural environment, they are anthropomorphised, possessing their own culture, language, proverbs, poetry, and mythology. Evoking epic themes, the novel follows the rabbits as they escape the destruction of their warren and seek a place to establish a new home, encountering perils and temptations along the way.



We are learning about the Vikings, where they invaded and why they were so vicious.

At home, can you design a project connected to our topic? It might be a poem, a piece of artwork, a short story, a recount—it really is up to you!



Maths and English Challenges

Please complete these in your further learning book and hand it back in to your class teacher by Wednesday 14th October.

This week, we have been writing, editing and improving a narrative. Can you use the story starter below to write your own narrative?



Don't forget!
Use TTRS and Spelling Shed every week to improve your mental arithmetic and spelling scores.

Story starter!

The bird's eyes were gold coins, shining brightly in the reflection of the camera's long lens. Holding his breath, the photographer pressed lightly on the button to capture this magical moment. Click, click, click. Neither the parrot nor the photographer moved. Curiosity enveloped them both as they examined each other closely. Suddenly, the peace was disturbed...



Maths Challenge

This week, in arithmetic, we have worked on square and cube numbers.

Can you complete the activity attached?

Using and Recognising Square and Cube Numbers

Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3).

Square Numbers

The product of a number multiplied by itself. Can be illustrated as a square, e.g.

$$2^2 = 2 \text{ squared} = 2 \times 2 = 4$$



A. Complete the table.

1^2	1×1	1
2^2		4
3^2	3×3	
	4×4	16
5^2		
		36
	7×7	
8^2		
		100

Cube Numbers

The product of multiplying a digit by itself three times.

Can be illustrated as a cube, e.g.

$$2^3 = 2 \text{ cubed} = 2 \times 2 \times 2 = 8$$



B. Complete the table.

1^3	$1 \times 1 \times 1$	1
2^3	$2 \times 2 \times 2$	
3^3		27
	$4 \times 4 \times 4$	64
5^3	$5 \times 5 \times 5$	
6^3	$6 \times 6 \times 6$	
		343
8^3		512
	$9 \times 9 \times 9$	729
10^3		

C. Calculate the missing numbers.

a) $7^2 + 4^2 =$	b) $8^2 + 10^2 =$	c) $5^3 - 5^2 =$
d) $5^2 + \underline{\quad} = 89$	e) $\underline{\quad} - 8^2 = 17$	f) $3^2 \times 2^2 =$
g) $3^2 + \underline{\quad} = 5^2$	h) $6^3 + 2^2 =$	i) $13^2 =$
j) $10^3 - 2^2 =$	k) $100^2 =$	l) $\underline{\quad}^2 = 144$

At home, can you complete the attached sheet? Look at the difficulties in these spellings and focus your attention to that which you find most challenging.

WORD	Practice 1	Practice 2
<i>definite</i> <i>desperate</i> <i>determined</i> <i>develop</i> <i>dictionary</i> <i>disastrous</i> <i>embarrass</i> <i>environment</i> <i>equip</i> <i>equipped</i>		

Extra task:

Spelling Challenge Activity

Tap Tap Tap

Write out your spellings on a computer. Use different fonts and colours each time.



Using and Recognising Square and Cube Numbers

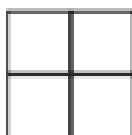
Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3).

Square Numbers

The product of a number multiplied by itself.

Can be illustrated as a square, e.g

$$2^2 = 2 \text{ squared} = 2 \times 2 = 4$$



A. Complete the table.

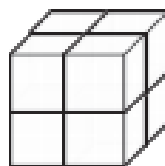
1^2	1×1	1
2^2		4
3^2	3×3	
	4×4	16
5^2		
		36
	7×7	
8^2		
10^2		100

Cube Numbers

The product of multiplying a digit by itself three times.

Can be illustrated as a cube, e.g.

$$2^3 = 2 \text{ cubed} = 2 \times 2 \times 2 = 8$$



B. Complete the table.

1^3	$1 \times 1 \times 1$	1
2^3	$2 \times 2 \times 2$	
3^3		27
	$4 \times 4 \times 4$	64
5^3	$5 \times 5 \times 5$	
6^3	$6 \times 6 \times 6$	
		343
8^3		512
	$9 \times 9 \times 9$	729
10^3		

C. Calculate the missing numbers.

a) $7^2 + 4^3 =$	b) $8^2 + 10^2 =$	c) $5^3 - 5^2 =$
d) $5^2 + \underline{\quad} = 89$	e) $\underline{\quad} - 8^2 = 17$	f) $3^2 \times 2^3 =$
g) $3^2 + \underline{\quad} = 5^2$	h) $6^3 + 2^2 =$	i) $13^2 =$
j) $10^3 - 2^2 =$	k) $100^2 =$	l) $\underline{\quad}^2 = 144$

Extra challenge:

Which two consecutive square numbers add to make the next consecutive square number?