

Year 6 Room 1 Homework

30th May to 3rd June 2011

Devonport Primary School

Name: _____.

Introduction

Thank you for working so hard over the last four weeks. I am pleased that you are enjoying the literacy tumble and this week I will be introducing the maths tumble. There will also be some of you who will be involved in individual contracts, whereby you can choose when you are going to be doing various activities in the tumble.

In our writing we have been focusing on the deeper features such as content, structure and language features. In our homework we will be focusing on the surface features such as spelling and punctuation. We will also be reviewing several aspects of our mathematics, which were discussed in some depth during the first term.

See me if you get stuck on any of the activities and I will give you some help.

Good luck and do your best!

1. English Skills

Punctuation

The punctuation this week is related to commas, semi-colons and colons. Your task is to complete the following punctuation exercises.

Exercise 1 - Commas

Rewrite the following sentences in full putting the commas in the correct places.

1. The game was over but the crowd refused to leave.
2. The student explained her question yet the instructor still didn't seem to understand.
3. Yesterday was her brother's birthday so she took him out to dinner.
4. While I was eating the cat scratched at the door.
5. Because her alarm clock was broken she was late for class.
6. If you are ill you ought to see a doctor.
7. When the snow stops falling we'll shovel the driveway.
8. Having finished the test he left the room.
9. To get a seat you'd better come early.
10. After the test but before lunch I went jogging.
11. The sun radiating intense heat we sought shelter in the cafe.

Exercise 2 - Semi-Colons and Colons

Rewrite the following sentences adding either one or more semi-colons or colons to complete each sentence correctly.

1. Members of the band include John Smith, saxophonist Jim Jones, tuba player and Jack Green, trumpeter.
2. The daily newspaper contains four sections news, sports, entertainment, and classified ads.
3. I am going home I intend to stay there.
4. It rained heavily during the afternoon we managed to have our picnic anyway.

Exercise 3 - Quotation Marks

Rewrite the following sentences in full putting the quotation marks in the correct places. All of the sentences will also require a full stop, or question mark, or exclamation mark, and possibly a comma or two.

12. He said I may forget your name but I never remember a face
13. He likes to talk about rugby she said especially when the World Cup is coming up
14. Louise asked Do you need this book
15. Lockie shouted enthusiastically We won We won
16. Camp Adair will be a great experience for all of us said Mr Tilby I am sure I will be proud of the effort that each of you make and certainly hope you enjoy the experience

Exercise 4 - Exclamation Marks and Question Marks

Rewrite the following sentences, deciding whether the following sentences need an exclamation mark or question mark, or just a full stop to make them correct. Some sentences may need two.

5. Dakota Fanning made several movies before her eighth birthday
6. Fire Run
7. He asked her to put the book back on the shelf
8. Whose books are these
9. That was really incredible I wonder if I will ever be able to kick like that

2. Formal English - Weekly Spelling List

Spelling

Your homework is to learn your group words, ready for the test on Friday morning.

You may have some list words in common with at least one other group.

There will be exercises relating to your spelling words at school during the week.

Group 1

1. advantageous
2. circumstantial
3. conciliatory
4. conscientious
5. exemplary
6. infectious
7. ominously
8. symmetrical
9. vigorous
10. voluminous

Group 2

1. advantageous
2. circumstantial
3. conciliation
4. confidential
5. hysterical
6. legendary
7. medicinal
8. symbolic
9. sympathetic
10. vigorous

Group 3

1. confidence
2. conscience
3. hysteria
4. infection
5. origin
6. sacrifice
7. spasm
8. sympathy
9. symmetry
10. vigour

Group 4

1. advantage
2. circumstances
3. confidence
4. example
5. infection
6. legend
7. orchestra
8. origin
9. sympathy
10. triumph

3. Mathematics

Please complete the following review exercises

Pentagons and Triangles Groups

- Write these numbers in figures.
 - Sixty two million, three hundred and four thousand, two hundred and fifty three.
 - Four hundred million, five hundred and sixty thousand, one hundred and five.
- Answer the following 'measurement' questions.
 - How many centimetres in 1 metre?
 - How many millimetres in 1 centimetre?
 - How many millimetres in 1 metre?
 - 456 cm = _____ m
 - 2367 cm = _____ m
 - 34.5 m = _____ cm
 - 2.45 m = _____ cm
- Answer the following word problem.

At the tennis club, this year there are 240 members, 152 are adult members. The rest are junior members. Last year there were 69 junior members. What is the difference in junior membership between this year and last year?

Octagons and Hexagons Groups

- Write these numbers in figures.
 - Forty two billion, six hundred and two million, five thousand and seven.
 - Thirty billion, twenty million, one hundred and sixty three
 - Four hundred and three billion and twenty seven.
- Round these numbers to the nearest thousandth.
 - 2.0346
 - 5.4233
 - 65.204539
 - 2.29248
- Round these numbers to the nearest hundredth.
 - 32.456
 - 4.432
 - 6.2478
 - 332.4349
- Round these numbers to the nearest tenth.
 - 32.46
 - 3.2457
 - 43.43692
 - 0.158
- Answer the following word problems.
 - A car is serviced every 15,000 km. Ben's car has 76,345 km on the clock. How many more kilometres before the next service?
 - Manu saved \$2,370. He has seen a motorbike he would like to buy for \$4,500. How much more money does he need?

4. Extra for Experts - Concept Work

Systems

Over the first four weeks of this term we have focussed on the concept of 'Systems'. As we know, there are so many amazing examples of incredible 'systems' in nature. One incredible example involves a particular natural shape, which is present in different ways on a number of animals.

Try to complete the following patterning exercise entitled 'The Involute Curve'.

'The Involute Curve'

A rope is wound around a circle and then is partially unwound. The end of it is then attached to a point above the circle. The shape the rope settles in is quite interesting. It is called an involute curve. It is quite amazing that this shape is the same shape as the beak of a parrot, a kea or any other large bird. The dorsal fin of a shark and the unwrapping of a fern leaf also have the shape of an involute curve.

Using a sharp pencil, a ruler and a compass and without tracing it, I wonder how accurately you can draw this geometric diagram.

