Year 4 Homework: Autumn 1

Circle of Life
Homework will be checked weekly – every Friday - to make sure you are completing it and to a high standard.

Activities 1 and 8 due on: 9.9.16
Activities 2 and 9 due on: 16.9.16
Activities 3 and 10 due on: 23.9.16
Activities 4 and 11 due on: 30.9.16
Activities 5 and 12 due on: 7.10.16
Activities 6 and 13 due on: 14.10.16
Activities 7 and 14 due on: 21.10.16

Please make sure you complete the whole task. 4/5 lines for a writing task is not acceptable.

You will be given spellings regularly. These will be in planners and should be practised daily at home. You should also practise your times tables on a daily basis.

Don’t forget, you should also be spending time at home reading at least 4 times a week – points will be given for our class reading challenge if you do. There will be bonus points for children who read more than 4 times.
Activity 1: Literacy – vocabulary focus

Think of three different verbs that have the same meaning as the following verbs:

Eg. eat: gobble munch scoff

Bronze:
walk ____________________________________________
make ____________________________________________
say _____________________________________________
look _____________________________________________

Silver: the verbs above and:
see _____________________________________________
dance __________________________________________ 
fly ______________________________________________

Gold: the verbs above and:

come __________________________________________ 
get _____________________________________________ 
fly _____________________________________________

Then write 6 interesting sentences using some of the new verbs you have written.

1. ____________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________

2. ____________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________

3. ____________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________

4. ____________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________

5. ____________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________

6. ____________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________
                                                 ________________________________________
Use what you know about African animals to describe 2 of them. You should include a description of what they look like and how they behave. Here are some pictures below to help you:

Bronze:
- Capital letters, full stops
- Interesting adjectives – 2A sentence

Silver:
- Adverbs to say more about how they behave e.g. crept slowly
- Prepositions to say where things are e.g. the meerkat has brown spots on its fur.
- 4A sentence

Gold:
- A simile for each animal

Animal 1:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Animal 2:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
Activity 3: Literacy - handwriting focus

Copy this text from our class reader 'The Butterfly Lion', using the neatest handwriting possible. Remember to write on the line and show ascending and descending letters accurately. Remember to also join your letters - but not capitals!

One morning, a week or so later, Bertie was woken by a chorus of urgent neighing. He jumped out of his bed and ran to the window. A herd of zebras was scattering away from the waterhole, chased by a couple of hyenas. Then he saw more hyenas, three of them, standing stock still, noses pointing, eyes fixed on the waterhole. It was only now that Bertie saw the lion cub.
Activity 4: Literacy - reading focus

Create a book review of a book you have recently read

Bronze:

What was the title of the book?
____________________________________________________

Who was it written by?
____________________________________________________

What happened in the story?
____________________________________________________
____________________________________________________
____________________________________________________

Tell me about a character in your book?
____________________________________________________
____________________________________________________
____________________________________________________

Silver: All of the above and:
Which 2 words would you use to describe this book?
__________________________________________

Who else would you want to read this book and why?
____________________________________________________
____________________________________________________
____________________________________________________

Gold: All of the above and:

Did you enjoy it? Why?
____________________________________________________
____________________________________________________
____________________________________________________
Activity 5: Literacy - punctuation focus

Using speech punctuation:
-inverted commas around what is being said
- , ? or ! before the closing inverted comma
-speech starts with a capital letter

Bronze: Place the inverted commas “ “ around just what is being said

1) I loved the elephants, said Raj.

2) How long do lions live for? Asked Tina.

3) Today we are learning about Africa said the teacher.

4) Zebras have black and white stripes said Billy.

Silver: All of bronze and then rewrite these sentences using the correct speech punctuation

1) Our class reader is The Butterfly Lion stated Amy.

2) How many countries are in Africa asked Ali.

3) I saw a huge snake shouted Emily.

Gold: Re-write the text using correct speech punctuation
Let's go said Dave, who was getting tired. No. Let's spend a bit longer here replied Max. Max was having fun climbing the trees. If we don't go now stated Dave, then we will miss our tea and mum will tell us off. Max sighed and jumped down from the tree. Fine, I was getting bored anyway he said going off in a huff.
Activity 6: Literacy - sentence focus

Bronze

Write 5 sentences about this picture. You need to include:

- Full stop and capital letters
- Adjectives
- Prepositions (in front of, behind, on)
- Conjunctions (and, but, so)

____________________________________________________

____________________________________________________

____________________________________________________

____________________________________________________

____________________________________________________

Silver

1) Underline the subordinate clause in these sentences
   a) Thinking carefully, I finished my maths homework.
   b) My mum put a plaster on my knee while trying not to hurt me.
   c) I’m having cereal for breakfast while the toaster is broken.
   d) Although I find complex sentences hard, I am trying my best.

2) Can you use a subordinate conjunction to make these simple sentences into a complex sentence?
   Here are some subordinate conjunctions to help you: because, although, even though, when, until
   a) I was eating my dinner.
      ______________________________________________________
   b) Meerkats move quickly.
      ______________________________________________________
c) The elephants went to the water hole.

_______________________________

d) Africa can be a hot place

_______________________________

**Gold:**

Silver activity and:

Using the pictures of the animals from activity 2, write a complex sentence for each of the animals:

Meerkat = ________________________________

Lion = ________________________________

Zebra = ________________________________
Activity 7: Literacy – writing focus

Choose an African animal as a main character for a story

Follow this story plot:

O - Description of main character in their setting

B - main character decides to go on a journey - where? Why?

P - problem happens - does something stop them going? Do they got lost?

S - problem is solved

E - main character finishes their journey

Bronze

- Work split into sections
- 1 example of using inverted commas
- Two 2A sentences
- These conjunctions used: and, so
- 2 verbs up-levelled

Silver - all of the above and:

- A 4A sentence
- Emotion, comma sentence
- 4 prepositions used
- 2 adverbial sentence openers

Gold - all of the above and:

- 3 complex sentences
- 2 of these spellings: camouflage, habitat, savannah,
Activity 8: Numeracy - Place value

Can you write the following amounts in numerals or words?

1. Forty-five = ___________________________________________________
2. 82 = _________________________________________________________
3. Two hundred and ninety-one = ____________________________________
4. 736 = _________________________________________________________
5. Three thousand five hundred = ____________________________________
6. 7260 = _________________________________________________________
7. Eight thousand, seven hundred and twelve = ________________________

What are the values of the underlined digits?

Bronze:
1. 78 ______________
2. 42 ______________
3. 91 ______________
4. 26 ______________

Silver: All the above and:
1. 889 ______________
2. 364 ______________
3. 927 ______________
4. 318 ______________

Gold: All the above and:
1. 2746 ______________
2. 1973 ______________
3. 7854 ______________
4. 2831 ______________

Challenge:
Who am I?
I am a 3-digit number.
I am odd.
The sum of my digits together is 15.
All of my digits are odd.
The order of my digits goes smallest to greatest. (left to right)
I am a multiple of 7.
Answer: _________________________________________________________
# Activity 9: Numeracy - Rounding

<table>
<thead>
<tr>
<th>Bronze</th>
<th>Silver</th>
<th>Gold</th>
<th>Challenge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Round these numbers to the nearest 10 and 100</td>
<td>Round these numbers to the nearest 10 and 100</td>
<td>Round these numbers to the nearest 10, 100 and 1000</td>
<td>Round these numbers to the nearest 10, 100, 1000 and 10,000</td>
</tr>
<tr>
<td>45</td>
<td>1432</td>
<td>1765</td>
<td>23,456</td>
</tr>
<tr>
<td>59</td>
<td>3876</td>
<td>8672</td>
<td>56,349</td>
</tr>
<tr>
<td>61</td>
<td>5680</td>
<td>2502</td>
<td>21,999</td>
</tr>
<tr>
<td>79</td>
<td>7612</td>
<td>6128</td>
<td>45,555</td>
</tr>
<tr>
<td>219</td>
<td>8876</td>
<td>2345</td>
<td>33,861</td>
</tr>
<tr>
<td>172</td>
<td>2376</td>
<td>9111</td>
<td></td>
</tr>
<tr>
<td>672</td>
<td>8515</td>
<td>4266</td>
<td></td>
</tr>
<tr>
<td>998</td>
<td>4713</td>
<td>9889</td>
<td></td>
</tr>
</tbody>
</table>

| 219    | 8515   | 4266 |           |
| 998    | 4713   | 9889 |           |

| 172    | 2376   | 9111 |           |
| 672    | 8515   | 4266 |           |
| 998    | 4713   | 9889 |           |
**Activity 10: Numeracy - Addition and Subtraction**

Use the methods you have learnt in class to work out the answers to these calculations. **DO NOT** use a calculator. Show your working out.

<table>
<thead>
<tr>
<th>Bronze</th>
<th>Silver</th>
<th>Gold</th>
</tr>
</thead>
<tbody>
<tr>
<td>56+23=</td>
<td>155+102=</td>
<td>1535+1072=</td>
</tr>
<tr>
<td>86+11=</td>
<td>242+147=</td>
<td>3237+1911=</td>
</tr>
<tr>
<td>49+35=</td>
<td>337+111=</td>
<td>2348+1878=</td>
</tr>
<tr>
<td>28+68=</td>
<td>615+155=</td>
<td>6315+3155=</td>
</tr>
<tr>
<td>118-42=</td>
<td>252-117=</td>
<td>2152-1211=</td>
</tr>
<tr>
<td>124-57=</td>
<td>294-154=</td>
<td>4144-2232=</td>
</tr>
<tr>
<td>144-54=</td>
<td>557-336=</td>
<td>5357-3236=</td>
</tr>
<tr>
<td>152-77=</td>
<td>599-356=</td>
<td>5199-3356=</td>
</tr>
</tbody>
</table>
Activity 11: Numeracy – Mental Addition and Subtraction

Can you complete the magic squares? In a magic square the sum of each row, column and diagonal is the same, e.g.:

\[
\begin{align*}
20 + 11 + 17 &= 48 \\
13 + 16 + 19 &= 48 \\
15 + 21 + 12 &= 48 \\
\end{align*}
\]

\[
\begin{align*}
20 + 13 + 15 &= 48 \\
15 + 16 + 17 &= 48 \\
20 + 16 + 12 &= 48 \\
\end{align*}
\]

\[
\begin{align*}
11 + 16 + 21 &= 48 \\
17 + 19 + 12 &= 48 \\
15 + 21 + 12 &= 48 \\
\end{align*}
\]

One has been started for you:

**Bronze:**

\[
\begin{array}{ccc}
11 & & \text{21} \\
2 & & \\
10 & 8 & \\
\end{array}
\]

\[
\begin{array}{ccc}
1 & 9 & 10 \\
& & 4 \\
& 2 & \\
15 & 7 & 3 \\
\end{array}
\]

**Silver:**

\[
\begin{array}{ccc}
16 & & \\
23 & 25 & \\
18 & & \\
\end{array}
\]

\[
\begin{array}{ccc}
21 & 39 & 12 \\
& & \\
18 & & \\
& & 19 \\
12 & & 43 \\
& & 18 \\
\end{array}
\]
Gold:

<table>
<thead>
<tr>
<th>61</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>111</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>72</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>126</td>
<td></td>
</tr>
<tr>
<td>47</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>63</th>
<th>39</th>
</tr>
</thead>
<tbody>
<tr>
<td>54</td>
<td></td>
</tr>
<tr>
<td>87</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>227</th>
<th>91</th>
<th>62</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>8</td>
</tr>
</tbody>
</table>

= 380
Activity 12: Numeracy - Measure

How many mm in 1 cm? ________
Gold: How many cm in 1 m? ________

This information will help you solve the next part; double check your answers.

Look at the objects below, can you convert the measurement into either cm or mm?

Bronze: at least 4
Silver: All objects

Gold: Give all 3 conversions for every object - mm, cm and m.

- 60 cm
- 750 mm
- 80 mm
- 510 cm
- 15 cm
- 220 mm
**Activity 13: Numeracy - Data**

Plot a discrete bar chart using the information below on how many animals live in an African savannah.

Remember to label your x and y axis, and create a title for your chart.

<table>
<thead>
<tr>
<th>Animal</th>
<th>Bronze</th>
<th>Silver</th>
<th>Gold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Giraffe</td>
<td>2</td>
<td>15</td>
<td>30</td>
</tr>
<tr>
<td>Lion</td>
<td>12</td>
<td>25</td>
<td>51</td>
</tr>
<tr>
<td>Gazelle</td>
<td>8</td>
<td>5</td>
<td>95</td>
</tr>
<tr>
<td>Cheetah</td>
<td>6</td>
<td>32</td>
<td>69</td>
</tr>
<tr>
<td>Hippo</td>
<td>15</td>
<td>39</td>
<td>118</td>
</tr>
</tbody>
</table>

Intervals of 2

Intervals of 5

Intervals of 10

Challenge - intervals of 20
Activity 14: Numeracy - Time

Write the time shown on the clock in digital format

Bronze:
1. 
2. 
3. 
4. 
5. 
6. 

Silver:
7. 
8. 
9. 
10. 
11. 
12.
Gold:

1.

2.

3.

4.

5.

6.
Optional homework

Create a 3D model of an African landscape.

Optional homework

Draw the continent of Africa and label all the countries

Optional homework

Write a poem about an African animal