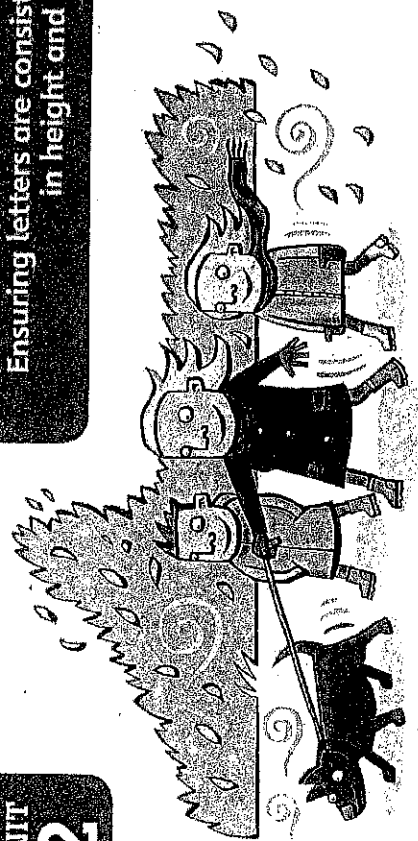




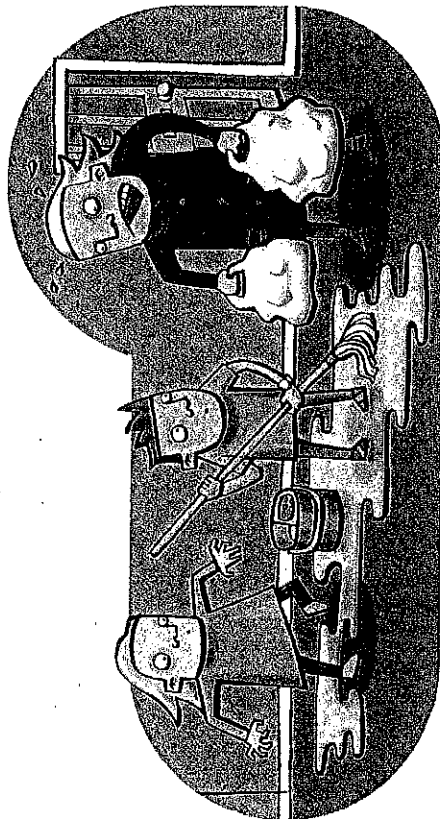
A big wind is blowing.

Focus

Copy these words into your book.

mop mopping mopped
hop hopping hopped
shop shopping shopped
stop stopping stopped

Remember, the
letter *p* is a
descender,
which means
that it goes
below the
line.



Extra

Add the suffix *ing* and then the suffix *ed* to these words.
Write the words in your book.
The first one has been done for you.

flow row crow tow
flowing
flowed



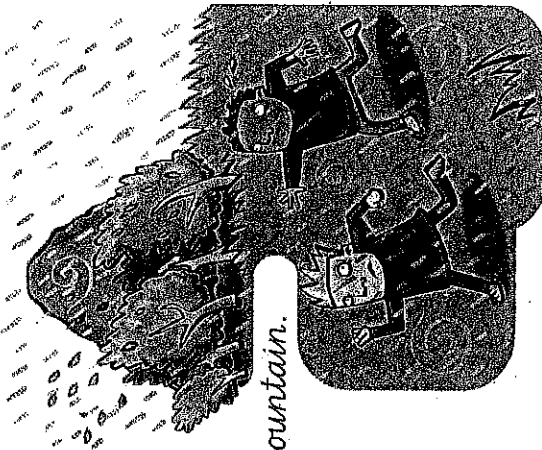
Extension

Copy this poem into your book.

Hurricane!
Shut the windows
Bolt the doors
Big rain coming
Climbing up the mountain.
Branches falling
Raindrops flying
Treetops swaying
People running
Big wind blowing
Hurricane! On the mountain.

By Dionne Brand

Remember to
use your best
handwriting
when you want
to present
neat, careful
work.



Spring Term: Workout 2

Warm up

1. What is the value of 4 in each of these numbers?

4159 9490 1 mark

2. Fill in the missing numbers.

350 + = 800 800 - 290 =

800 - 470 = + 630 = 800 2 marks

3. Round each of these numbers to the nearest 10 000.

539 181 4 607 335 1 mark

4. Circle the **best estimate** for the weight of a mobile phone.

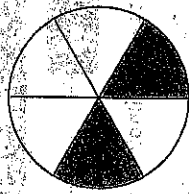


20 g 200 g 2 kg 20 kg 1 mark

5. Divide each of these numbers by 100.

107 1826 1 mark

6. Circle all the fractions that show how much of this shape is shaded.



$\frac{3}{4}$ $\frac{2}{6}$ $\frac{5}{10}$
 $\frac{1}{3}$ $\frac{4}{12}$ $\frac{4}{6}$

2 marks

7. Pacha needs a new school uniform. He buys a pack of shirts for £4.25, a tie for £2.90 and a pair of trousers for £11.50. How much change does he get from a £20 note?



£ 2 marks

8. In total, 3 cactus plants have 8930 spikes. The first cactus has 2623 spikes. The second cactus has 540 more spikes than the first. How many spikes does the third cactus have?



..... spikes 2 marks

Score:

Warm up

1. Add the missing **commas** to the sentence below.

Before I come out, I have to Hoover the carpet mop the floors clean the bathroom and tidy my room.



2 marks

2. Rewrite these nouns as adjectives using the suffix '**tial**' or '**cial**'.

influence

benefit

substance

3 marks

3. Complete the sentence by adding a **subordinate clause** to it.

Charlie ordered the chicken tikka masala

1 mark

4. Circle the correct **preposition** in the sentences below.

Put your phone away **because of / during** dinner.

After / In breakfast, you can wash up.

2 marks

5. Tick the correct suffix to turn each adjective into a verb.

	ise	ify
pure		
personal		
false		

3 marks

6. Read the passage and answer the questions.

It was half an hour before they found a spare big enough to set up camp. The beach was a patchwork quilt — towels and sun loungers stretched as far as the eye could see. Any tiny patch of yellow sand still visible was littered with sticky lollipop sticks and dirty napkins. Martin began to feel his skin blistering despite a thick layer of factor forty. He smiled and said, "Yeah, here will do." He didn't want to ruin anyone's holiday.

What is 'The beach was a patchwork quilt' an example of?

☐ personification

☐ metaphor

☐ conjunction

What does 'a thick layer of factor forty' refer to?

Is Martin enjoying his trip to the beach? Explain your answer.

4 marks

Score:

First World War poster

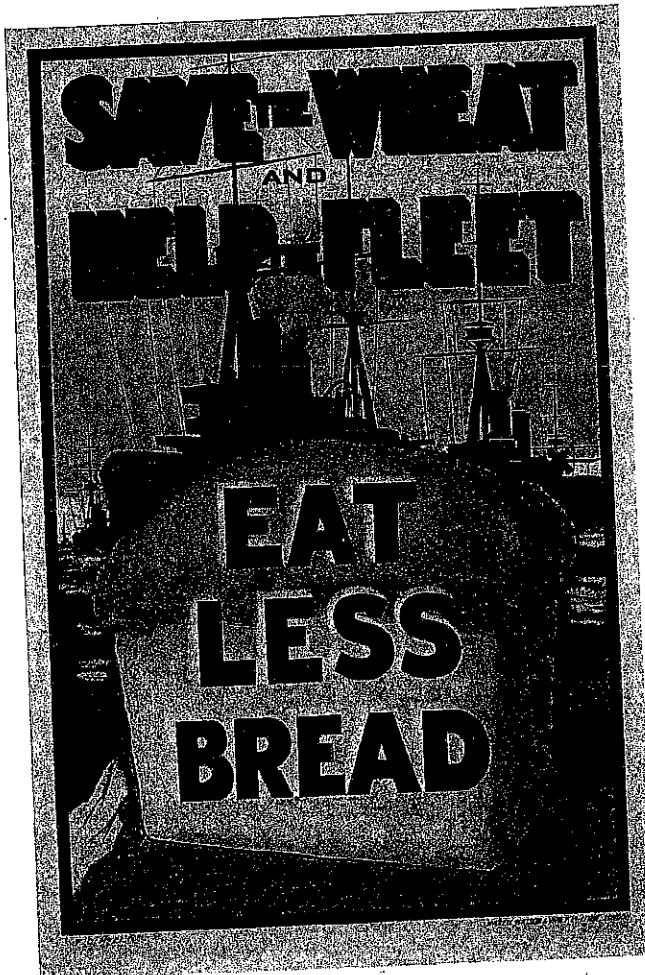


Read the information below and look carefully at the poster. Underline the clues in the text and circle the picture clues to help you predict the full meaning of this wartime poster.

Link the clues and your knowledge about the First World War to predict the poster message.

During the First World War the Government needed to recruit lots of soldiers and wanted people to work together to save resources. So what the public thought about the First World War really mattered. The Government tried hard to persuade people to think in a certain way and to feel proud of themselves and their country. This is called propaganda.

Posters with bold images and words were printed to strengthen the propaganda message. For example, this poster is urging the public to eat less bread to spare merchant ships from attack on their way back to Britain with food supplies from faraway countries such as America. By 1917 four hundred ships each month were being destroyed by the 'unseen' enemy in the sea beneath them.



Use the clues on page 27 to help you answer the questions below. Then ask and answer your own prediction question about the poster.

1. Why do you think that eating less bread would 'save the wheat' as the poster suggests?

2. Why do you think Britain had to import wheat from other countries like America during the war?

3. Why do you think so many merchant ships were sunk before they were able to return to Britain with food supplies?

4. Why do you think 'saving the wheat' would 'help the fleet'?

Your prediction question: _____

Your answer: _____



Horrible Geography of the World



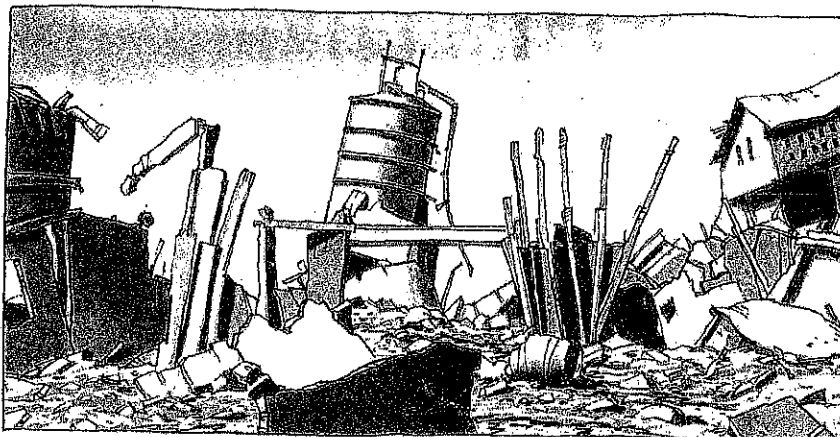
What literal questions could you ask using this information?

Read this page from *Horrible Geography of the World* about an earthquake. Highlight the 'who', 'what' and 'where' information in different coloured pens. Then circle the inference clues on the page that help you think more deeply about what is happening. One has been done for you.

The good news is, seismologists can give very general warnings about where a quake might strike. The bad news is, they only know a quake's on the way when it's actually happening. To make matters worse, some quakes strike without any warning at all. Like the one that hit Tangshan, China, in 1976. Here's how the Daily Globe might have reported from the scene of the disaster.

DAILY GLOBE

TANGSHAN, CHINA, 29 July 1976



The surviving residents of this shattered city are still reeling from the shock after yesterday's devastating earthquake.

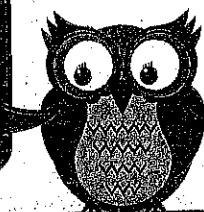
Measuring a massive 8.3 on the Richter scale, shell-shocked experts are already claiming the quake was the deadliest of modern times.

At 3.43 am, local time, a huge tremor struck without warning. In seconds, it reduced this thriving industrial city to a pile of rubble. Numbers are still coming in, but

it is estimated that more than 300,000 people have died. Thousands more lie injured or buried beneath the collapsed buildings. Rescue teams have already begun a frantic search for survivors. Thousands of people have been left homeless. With winter coming, their future looks very bleak indeed.

Use the information in the text on page 29 to help you answer the questions below. Tick the PC Page box next to the literal questions and tick the Text Detective box next to the inference questions.

Literal answers are right there in the picture and text.
Inference answers link to clues in the text.



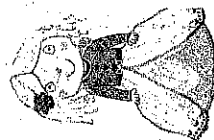
Question	PC Page	Text Detective
1. Where did the deadliest quake of modern times happen? _____	☐	☐
2. Why did experts claim that this earthquake was the deadliest in modern times? _____ _____	☐	☐
3. Was the city a successful industrial centre before it was destroyed by the quake? How do you know this? _____ _____	☐	☐
4. Was the quake over quickly? Explain how you know this. _____ _____	☐	☐
5. What did rescue teams do immediately after the quake? _____	☐	☐



Word Problems

Challenge 1

- 1 The winning boat team, *Entrepid*, travelled 310 miles at sea in 4 hours 30 minutes. How long would it take the *Entrepid* team to travel 3100 miles assuming they were travelling at the same speed? _____
- 2 Emily has 12 princess dolls. For her birthday she is given a large box of new dolls' clothes. In the box are 132 different dolls' dresses. How many different dresses can each doll have if they all have the same amount? _____



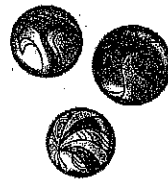
- 3 Mari is making 9 party bags for his friends. He has a total of 56 football cards, 29 erasers and 46 chocolate coins to put in the bags. He wants to share out the items equally. What is the greatest number of each item that Mari can put in the party bags? _____ football cards _____ erasers _____ chocolate coins



Marks /5

Challenge 2

- 1 If Koah and his brother Zac have 208 marbles altogether, how many do they have each if Zac has a multiple of 12 and Koah has a multiple of 8? _____
- 2 Miss Staples marks 6 books in half an hour. How many can she mark in 3 hours? _____
- 3 Harry says that there is a number less than 100 that is both a square number and a cube number. Is he right? If so, what is the number? _____



Marks /3

Word Problems

Challenge 3

- 1 Christie's age is currently a multiple of 6. Next year her age will be a square number. How old is Christie? _____ years old
- 2 If the amount of buttons in Suki's jar is 5^3 and the amount of buttons in Freddie's jar is 11^2 , who has more buttons in their jar? _____



- 3 a) Using the information in the table below, work out how many badges each child has collected. Complete the table.

Name	Description of number	Number of badges collected
Mae	A square number, multiple of 6, sum of digits is 9, less than 40	_____
Jake	A prime number, greater than 12, less than 20, sum of digits is 8	_____
Raheed	A cube number, an odd number, a multiple of 9, less than 30	_____

- b) Who collected the most badges? _____
Complete the table.

	Answer	Show your working
a) The largest square number under 500	_____	_____
b) The largest multiple of 4 under 500	_____	_____
c) The largest cube number under 500	_____	_____

Marks /9

Total marks /17

How am I doing?



Addition

Challenge 1

1 Answer these.

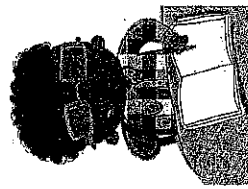
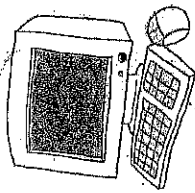
- a) $2363 + 4820 =$ _____
- b) $6905 + 4795 =$ _____
- c) $4737 + 9952 =$ _____
- d) $9455 + 8764 =$ _____

2 Answer these.

- a) $12473 + 7239 =$ _____
- b) $48458 + 4624 =$ _____
- c) $97421 + 6521 =$ _____
- d) $88895 + 12869 =$ _____

3 Find the missing numbers.

- a) $14457 + \square = 19880$
- b) $74404 + \square = 83393$
- c) $84330 + \square = 101352$
- d) $105576 + \square = 129417$



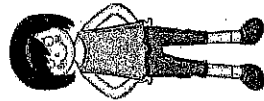
Marks /12

Addition

Challenge 2

1 Use the symbol $<$ or $>$ to make each statement correct.

- a) $48.69 + 39.32$ $54.12 + 32.10$
- b) $83.15 + 17.23$ $72.46 + 27.99$
- c) $123.52 + 31.50$ $89.62 + 98.62$
- d) $321.02 + 129.01$ $294.94 + 89.90$

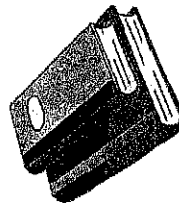


Marks /4

Challenge 3

1 Answer these.

- a) $38.20 + 28.18 + 4.21 =$ _____
- b) $38.98 + 27.40 + 9.27 =$ _____
- c) $337.39 + 128.47 + 3.45 =$ _____
- d) $562.93 + 12.47 + 125.59 =$ _____
- e) $37.42 + 845.35 + 385.93 =$ _____



Marks /5

Total marks /21



How am I doing?

Properties of Numbers

Challenge 1

1 Write four odd numbers that are multiples of 7.

2 What are the odd factors of 12?

3 Which two different square numbers under 20 when added together make another square number?



Marks...../7

Challenge 2

1 Ally swam a number of lengths of the swimming pool. The number of lengths is a multiple of 12 and a square number, and the sum of its digits is 9. Ally swam less than 100 lengths.

How many lengths did Ally swim?



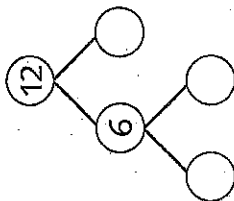
2 a) What is the smallest 2-digit prime number?

b) What is the largest 2-digit prime number?

Properties of Numbers

3

a) Complete this factor tree for the number 12.



b) Draw a factor tree for 48.

c) Draw two different factor trees for 18.

Marks...../7

Challenge 3

1

a) $6^2 + 8^2 =$

b) $4^2 \times 5^2 =$

c) $8^2 \div 2^2 =$

d) $12^2 \times 3^2 =$

2

a) $3^3 \times 5 =$

b) $2^3 + 4^2 =$

c) $5^3 - 7^2 =$

d) $6^3 \times 2^3 =$

Marks...../8

Total marks/22

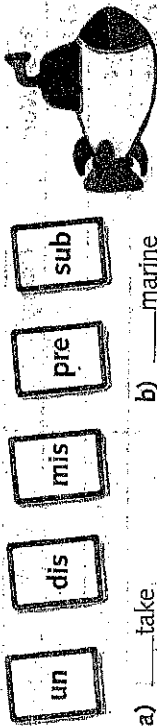
How am I doing?



Prefixes

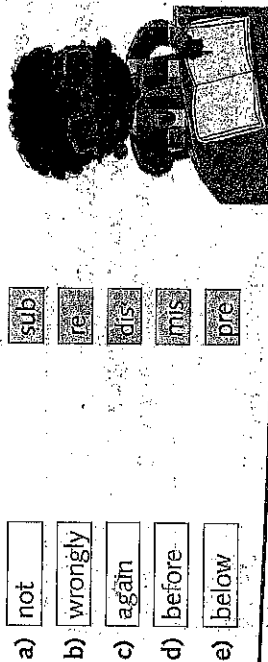
Challenge 1

1 Put the correct prefix at the beginning of each word below to create a new word with a different meaning.



- a) take b) marine
c) view d) respect
e) hurt

2 Draw a line to match each prefix to its meaning.



- a) not b) wrongly c) again d) before e) below
sub re dis mis pre

Marks: /10

Challenge 2

1 Choose the correct root to add to the prefixes shown to complete each sentence below.



- a) The magician made the rabbit dis_____
b) They had to un_____ the truth.
c) The recipe said to pre_____ the oven at the start.
d) They had to sub_____ the object in water.

Marks: /4

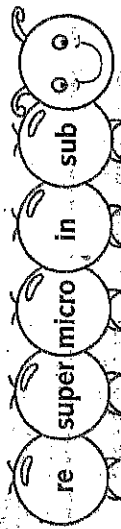
Prefixes

Challenge 3

1 Circle the correct prefix for each word.

- a) pre / un / mis comfortable b) re / pro / dis written
c) pre / re / sub caution d) re / un / mis turn
e) un / dis / sub tied f) re / mis / un behave
g) pre / re / dis do

2 Put the correct prefix in front of each word. Use each prefix only once. Then draw a line to match each new word with its meaning.



Meaning

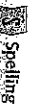
- a) _____ natural
b) _____ scope
c) _____ heading
d) _____ appear
e) _____ active
- re-given to a small section of writing
appear again
not natural
something used for viewing very small objects
not involving physical activity

Marks: /17

Total marks: /31

How am I doing?

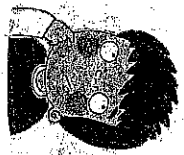
Suffixes



Challenge 1

1 Circle the suffix at the end of the words below. Think carefully about which part of the word forms the suffix.

- | | |
|---------------|-------------|
| a) proudest | b) childish |
| c) gladly | d) careful |
| e) colder | f) helpless |
| g) excitement | h) kindness |



Marks /8

Challenge 2

1 Use one of the suffixes below to make a new word from each of those given below. You may need to change the spelling of the root word before adding the suffix.

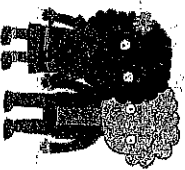
-tion

-able

Example

frustrate

frustration



- | | |
|------------------|------------------|
| a) adore _____ | b) vacate _____ |
| c) educate _____ | d) desire _____ |
| e) agree _____ | f) attract _____ |

2 Use one of the words you have created above to complete this sentence:

Our new kitten is _____

Marks /7

Suffixes

Challenge 3

1 Use the words ending with a suffix in the box to correctly complete each sentence.

explanation thoughtful hopeless celebration
greatest sadly warmer greatness

- | |
|---|
| a) The situation was _____ as the car was stuck in the sand. |
| b) The football team held a _____ when they won the cup final. |
| c) The child was _____ as he stared at the page of questions. |
| d) When she won the competition it was the _____ day of her life! |
| e) _____, some animals are becoming extinct. |
| f) He gave an _____ of what he had found out from his research. |
| g) Superman liked to show off his _____ whenever he had the chance! |
| h) It is usually _____ in Spain that it is in England. |

2 Complete these sentences by adding a suitable word ending with a suffix.

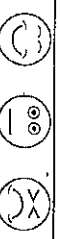
- | |
|---|
| a) I _____ walked to school. |
| b) It was the _____ day of my week. |
| c) He was _____ on a chair. |
| d) The child was _____ what to do next. |



Marks /12

Total marks /27

How am I doing?



Can you find the solution?



Complete each definition using the phrases below

insoluble - _____

solution - _____

condensation - _____

decanting - _____

filter - _____

solute - _____

solvent - _____

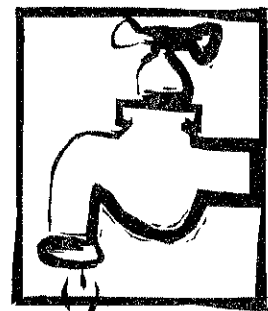
saturated solution - _____

liquid - _____

evaporate - _____

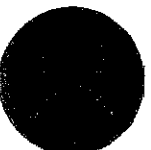
soluble - _____

a mixture of a solid dissolved in a liquid
carefully pouring a liquid off a solid
separating undissolved solid bits from a liquid
a soluble solid dissolved in a liquid
cannot dissolve in a liquid
cooling water vapour turns to liquid water
liquid part of a solution
one of the three states of matter
liquid warms and turns to gas
can dissolve in a liquid
no more solid can dissolve



Fitness Diary

Date:	Type of exercise:	Duration:
Use the faces to rate how you feel.   	Write a comment about your fitness: 	

Date:	Type of exercise:	Duration:
Use the faces to rate how you feel.   	Write a comment about your fitness: 	

Life Cycles Research

Choose an animal and find out about its life cycle. Think about how many stages its life cycle has, and split up the circle below so that it has a section for each stage of the life cycle. Draw and describe each stage.

Name of animal: _____

Type of animal (mammal, amphibian...): _____

