

English

Instructional text

This week you are going to write instructions on how to prepare equipment (or other) in order to climb a mountain.



Use the resources/login to the links below in order for you to make notes and plan what equipment you need to wear and pack to take with you when preparing for your climb.

Newsround- How to climb Mount Everest

<https://www.bbc.co.uk/newsround/18160415>

<https://www.rei.com/learn/expert-advice/mountaineering-checklist.html>

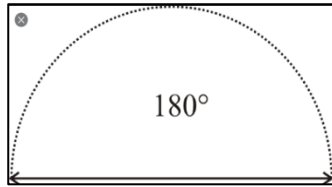
Also, go to resources section (scroll down) to read extra information that will help your writing plan.

Today is a planning day.

Monday

Maths

Measure angles up to 180 degrees.



Please work through the structured lesson and activities. Use your home workbook to complete the activities.
<https://www.bbc.co.uk/bitesize/tags/zhgppg8/year-5-and-p6-lessons/1>

Additional reasoning activities under resources.



Remember that we have set up a ROCKSTARS Times Tables battle for the month of June boys vs girls!!! Good luck and may the best team, who perseveres the most, win.

Science

Gestation periods

Watch the video link below about animal reproduction and gestation periods.

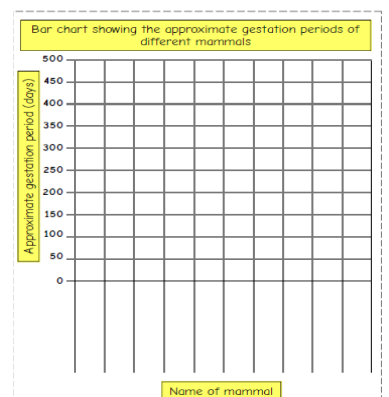


<https://www.bbc.co.uk/bitesize/topics/zgssgk7/articles/z9xb39q>

Task

Using the link below (the pages can also be found in resources below), compare the development of different animals during their gestation periods. Can you identify the similarities and differences? Using the sheet complete the task and then try and plot the information on a bar chart.

https://www.outstandingscience.co.uk/index.php?action=view_page&page=view_unit&unit=5b



Tuesday

English
Instructional text

Today you are going to draft your instructional text, use the checklist and information below to help you.

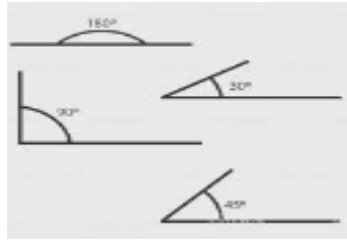
Remember to include imperative verbs (bossy verbs) to help you, chronological order and conjunctions to extend sentences.

Use the link below to help you, as well as the example of a written instructional text in resources.

<https://www.bbc.co.uk/teach/class-clips-video/english-ks1-ks2-how-to-write-instructions/zrvtscw>

Today is a planning day.

Maths
Draw angles up to 180 degrees



<https://www.bbc.co.uk/bitesize/tags/zhgppg8/year-5-and-p6-lessons/1>

Please work through the structured lesson and activities. Use your home workbook to complete the activities.

Additional reasoning activities under resources

TOPIC
Mountains and Tourism



Read the fact sheet below (click on link) about Tourism in mountain areas. What are the advantages and disadvantages of tourism in mountains?

<http://www.primaryhomeworkhelp.co.uk/mountains/tourism.htm>

Watch the video below about tourism in the Alps

<https://globaldimension.org.uk/resource/alps-opportunities-challenges/>

TASK

Divide your paper in to two columns as shown below and write as many disadvantages and advantages of tourism in mountain areas.

Advantages	Disadvantages

Challenge:

Describe in full sentences two of the advantages and disadvantages - do them all if you can!!

Wednesday

English
Instructional text

Today you are going to write your instructional text.

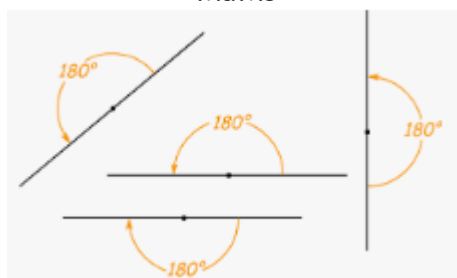
Title: Equipment needed to climb a mountain

Use your notes from yesterday to help you and remember to include all the features needed.

It would be lovely to see some examples of your work, so please email them in if you can!!

Today is a writing day.

Maths



Measure and identify angles on a straight line.

<https://www.bbc.co.uk/bitesize/tags/zhgppg8/year-5-and-p6-lessons/1>

Please work through the structured lesson and activities. Use your home workbook to complete the activities.

Additional reasoning activities under resources.

French

Go on to the website below and learn all about animals in French, play the games too.



https://www.digitaldialects.com/French/Animals_simp_audio.htm

Music

Why not try some music at home too? login free (using the link below, follow the login details) to MUSIC EXPRESS and make some sounds! If you have a ukulele at home try the ukulele option...

<https://collins.co.uk/pages/support-learning-at-home-free-childrens-song-bank>

Thursday

English
Comprehension - 'The man who bought a mountain'
Fiction text

Click on the link below and read the text (there are 3 versions, in order of difficulty, pick the one version you would like). There is also a version in the resources below with answers.

<https://www.twinkl.co.uk/resource/the-man-who-bought-a-mountain-differentiated-ks2-fiction-reading-comprehension-t-tp-2548602>

Answer the questions, be careful to use all of your guided reading skills to help you! Check your answers at the end.

Maths

Measure and identify angles around a point.

<https://www.bbc.co.uk/bitesize/tags/zhgppg8/year-5-and-p6-lessons/1>

Please work through the structured lesson and activities. Use your home workbook to complete the activities.

Additional reasoning activities under resources.

PE

At home PENTATHLON challenge



Now it is time to keep fit and energize your minds and bodies... All of these challenges can be done at home and in the garden or park! Watch all of the clips for each of the exercises by following the link below:

https://www.youtube.com/playlist?list=PL6DK6xTdLkmwBkVBukZZ2L_oTT6VXErNO

TASK

Set up the challenges at home and see how many you can complete of each exercise, perhaps challenge your adult at home or siblings OR try each exercise every day for a week and see if your scores improve.

TRIVIA: What does the word PENTATHLON mean?

Friday

English Spag Lesson

Antonyms and Synonyms

Watch the clip below to find out what these are...

<https://www.bbc.co.uk/bitesize/topics/zfkk7ty/articles/z8t8pbk>

ANTONYMS are words that have opposite meanings, for example: warm and cold.

SYNONYMS are words that have the same meaning, for example: cold and chilly.

TASK

Complete the two worksheets in resources, copy the correct answers in to your exercise book.

You may use a dictionary or thesaurus
...Challenge try not to if you can!!

Maths

Challenge of the week.



<https://www.bbc.co.uk/bitesize/tags/zhqppq8/year-5-and-p6-lessons/1>

Art and Design

Tomorrow is 'American Independence Day' 4th July.



Learn about the 4th July by watching the video below
<https://www.youtube.com/watch?v=bRWDZ1w-Iqs>

Now learn all about the American flag and Independence day
<https://www.youtube.com/watch?v=l9aGW3YNajE>

TASK

Use an A4 or A3 piece of paper and design your own flag. Use the power point slides in resources to help you

We'd love to see your designs...

How to design your own flag...

Write your name really big in the middle of your paper.

Decide what things are important to you in your life, and think of a symbol for each of these.

Draw the symbols on your flag.

Other activities for the week



- Use the following link to practise your times tables <https://trockstars.com>
- Guided reading - remember to choose your favourite story or a book that you have recently read.
- Write a book review for your favourite book
- Draw a picture of a character or setting from the story - make sure you use all the detail that the book gives you
- Design a new blurb for the back cover of the book or redesign the front cover
- The Reading Journey App <https://www.thereadingjourney.co.uk/> it's free and has a built in reading diary. It is available on a range of devices including android for KS2.
- The Children's Poetry archive <https://childrens.poetryarchive.org/> it's free!
- Book Trust - Bookfinder: <https://www.booktrust.org.uk/books-and-reading/bookfinder/>
- Explore the galleries of the Natural History Museum at home! <https://www.nhm.ac.uk/visit/virtual-museum.html>
- Try watching Newsround each day https://www.bbc.co.uk/newsround/news/watch_newsround and maybe try the Newsround quiz at the end of the week.
- Follow illustrator Rob Biddolph's draw-along videos to help you create some fun pictures. He illustrated the cover for next term's lead text 'When the Mountains Roared' by Jess Butterworth. <http://www.robbiddulph.com/draw-with-rob>

9:00	PE WITH JOE WICKS YOUTUBE.COM/THEBODYCOACH
10:00	MUSIC WITH MYLEENE KLASS YOUTUBE.COM/MYLEENESMUSICCLASS
11:00	SCIENCE WITH MADDIE MOATE YOUTUBE.COM/MADDIEMOATE
11:30	DANCE WITH OTI MABUSE YOUTUBE.COM/OTIMABUSEOFFICIAL
13:00	MATHS WITH CAROL VORDERMAN THEMATHSFACITOR.COM
14:00	HISTORY WITH DAN SNOW TV.HISTORYHIT.COM
15:00	ENGLISH WITH DAVID WALLIAMS WORLD.OFD.AVID.WALLIAMS.COM
17:30	FOOD TECH WITH JAMIE OLIVER CHANNEL4.COM/KEEPCOOKINGANDCARRYON

- Remember you can also find these celebrity lessons each day online if you want to try something new.

Resources (scroll down)

Instructions Checklist

Use "How to..." in the title	
Lists (e.g. materials/ingredients/equipment)	
Numbers/letters or bullet points to show order	
Imperative verbs (e.g. mix/stir)	
Short, clear sentences	
Diagrams/illustrations	

Equipment

Clothing: warm clothing is essential as climbers are out in freezing conditions for long periods of time.

Helmet: a helmet will help protect a climber's head if they fall or if something falls on them!

Gloves: climbers wear gloves or mittens to keep their hands warm. They don't grip the surface of the ice directly with their hands the way rock climbers do.

Boots and crampons: ice climbers need a good, strong pair of climbing boots which give support round the ankles. Crampons are metal spikes attached to the bottom of boots. These help the climber to grip to the ice. The forward spikes can be kicked into the ice to gain footholds.



Ice axe: an axe is used to grip the ice. Axes are made from metal and normally have a **serrated** edge. A cord on the handle is wrapped around the climber's wrist to ensure that the axe is not dropped by accident.

Harness: this is used to attach a climber to their rope. It helps them climb up and **abseil** down.

Rope: a rope is an essential piece of safety equipment. It is used to stop climbers falling all the way to the ground.

Ice screws: these are screwed into the ice. Rope can be threaded through them for safety. Ice screws are strong and can hold a lot of weight.



Gestation periods

Outstanding Science Year 5 - Animals, including humans - OS5B002

National Curriculum Statutory Requirements
 SB1 - describe the changes as humans develop to old age; UKSZW3 - recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs

Learning Objective



I can compare the gestation periods of different mammals.

Me:

Teacher:

Gestation

Nearly all mammals are **viviparous**. This means that they give birth to **live young**, rather than laying eggs. The time between the **fertilisation** of the **egg cell** by the **sperm cell** and the birth of the offspring is called the **gestation period**.



During the gestation period, the offspring develops inside the mother's **womb**. It starts off as a **zygote** (a single cell made from the union of a female egg cell and a male sperm cell) and then develops into an **embryo** composed of many cells. As time goes on, the embryo becomes a **foetus**, with more recognisable features such as skin, bones, blood and organs. The fully-developed **baby** exits the mother's body at the end of the gestation period. Gestation periods are different for different mammals.

Activity

Look at the table on the right. Use your maths skills to round the gestation period of each animal to the **nearest 10 days**. Next, use this rounded figure to complete the bar chart.

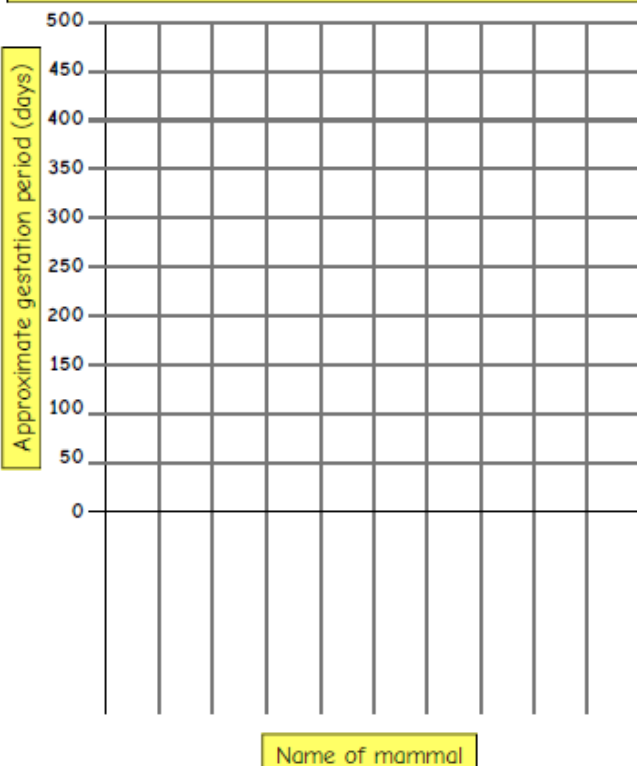
Table showing the gestation periods of different mammals

Name of animal	Gestation period (days)	Approximate gestation period (days)
Cat	63	
Dog	63	
Elephant	624	
Hippopotamus	240	
Horse	336	
Human	275	
Pig	115	
Rabbit	31	
Rat	21	
Whale	446	

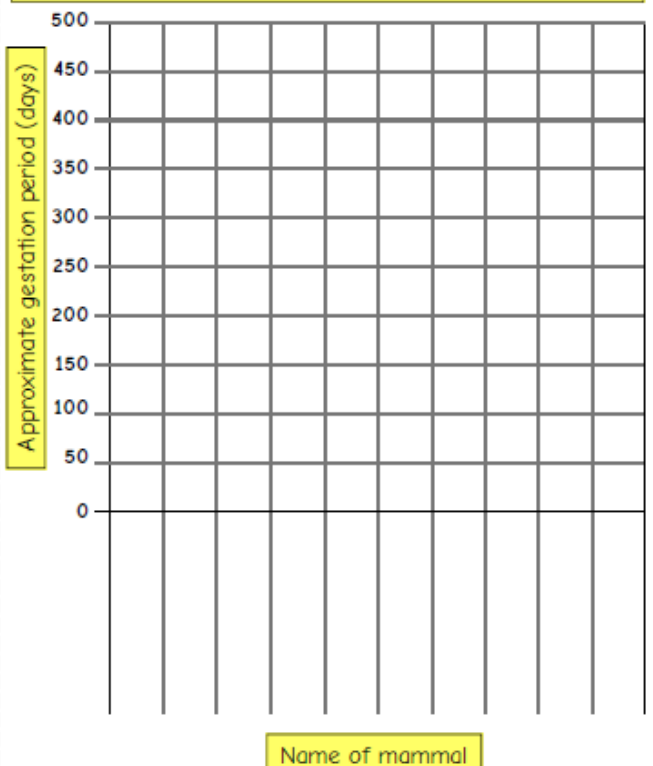
Discussion

Did you notice any patterns?
 Which animal has the longest gestation period? Why do you think this is?

Bar chart showing the approximate gestation periods of different mammals



Bar chart showing the approximate gestation periods of different mammals



Monday - Maths reasoning and answers

Which angle is the odd one out?

180°

45°

79°

270°

Could another angle be the odd one out for a different reason?

Which angle is the odd one out?

180°

45°

79°

270°

Could another angle be the odd one out for a different reason?

Multiple responses
e.g. 79° is the odd one out because the others are multiples of 45 degrees; 270 degrees is the only reflex angle etc.

Tuesday - Example of an instructional text

How to catch a dragon

When a dragon is on the loose in your kingdom, you can be left in a bit of a sticky wicket. Follow these set of instructions and you will never have to fear a dragon again!

You will need

- Fire-proof armour, sword and shield
- 100 kg sack of pepper
- A rope
- Bottle of dreamy, sleepy, nighty snooze
- iPod with speakers and remote
- 'Puff the Magic Dragon' song installed

Instructions

1. First, put on your fire-proof armour. This will be rather heavy and arm yourself with a sword and shield.
2. Next, approach the dragon's lair cautiously, armed with your sword and shield and place the iPod and speakers at the entrance.
3. Tip-toe to a position above the entrance of the cave.
4. Now, build up your courage, and press play on your iPod remote to play 'Puff the Magic Dragon'. (Dragons hate this tune!!!)
5. The dragon should run out roaring! As soon as it reaches the entrance, throw the sack of pepper onto the ground in front of it. This will cause the dragon to sneeze uncontrollably.
6. Now, jump on its back and pour the entire contents of dreamy, sleepy, nighty snooze down its throat, just as the dragon is about to sneeze. AHHHHHHHH C.....
7. In 5 seconds, the dragon will be fast asleep...snoring. Tie the dragon up. (Use a double knot because dragons are escape masters!)
8. Finally, pack up your iPod and speaker. Sit back and relax. You've caught your first dragon.

Tuesday - Maths reasoning and answers

Draw a range of angles for a friend.
Estimate the sizes of the angles to order them from smallest to largest.
Measure the angles to see how close you were.

Always, sometimes or never true?

- Two acute angles next to each other make an obtuse angle.
- Half an obtuse angle is an acute angle.
- 180° is an obtuse angle

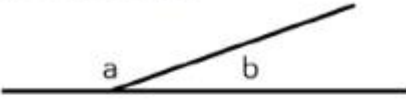
Draw a range of angles for a friend.
Estimate the sizes of the angles to order them from smallest to largest.
Measure the angles to see how close you were.

Always, sometimes or never true?

- Two acute angles next to each other make an obtuse angle.
 - Half an obtuse angle is an acute angle.
 - 180° is an obtuse angle
- Sometimes
 - Always
 - Never

Wednesday - Maths reasoning and answers

Here are two angles.




Angle b is a prime number between 40 and 50

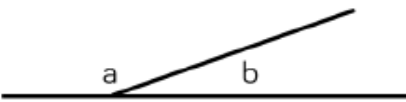

Use the clue to calculate what the missing angles could be.

Jack is measuring two angles on a straight line.

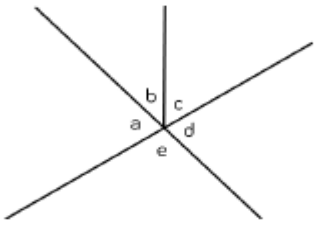
My angles measure 73° and 108°



Explain why at least one of Jack's angles must be wrong.

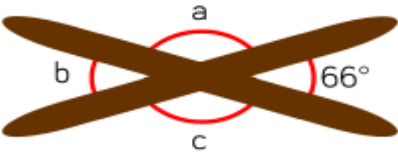
<p>Here are two angles.</p>  <p>Angle b is a prime number between 40 and 50</p> <p>Use the clue to calculate what the missing angles could be.</p>	<p>$b = 41^\circ, a = 139^\circ$ $b = 43^\circ, a = 137^\circ$ $b = 47^\circ, a = 133^\circ$</p>
<p>Jack is measuring two angles on a straight line.</p> <p>My angles measure 73° and 108°</p>  <p>Explain why at least one of Jack's angles must be wrong.</p>	<p>His angles total more than 180°.</p>

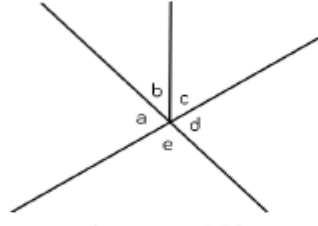
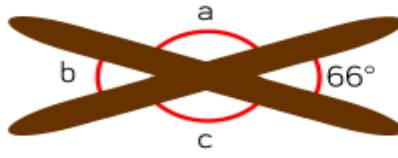
Thursday - Maths reasoning and answers



$a + b + c + d + e = 360^\circ$
 $d + e = 180^\circ$
 Write other sentences about this picture.

Two sticks are on a table.
 Without measuring, find the three missing angles.



 <p> $a + b + c + d + e = 360^\circ$ $d + e = 180^\circ$ Write other sentences about this picture. </p>	Various answers e.g. $a + b + c = e + d$ $360^\circ - e - d = 180^\circ$ etc.
<p> Two sticks are on a table. Without measuring, find the three missing angles. </p> 	$a = 114^\circ$ $b = 66^\circ$ $c = 114^\circ$

The Man Who Bought a Mountain

"Everyone: stick together, look out for each other and stay on the trail, please. The path is really rocky and steep. It's mostly uphill from here – but I suppose you'd all guessed that! As the elders say, the longest journey begins with a single step."

Yash finished his speech and smiled at the weather-beaten faces looking back at him. He had spoken loudly and clearly to the group of nine men and women, most of whom shuffled from foot to foot, adjusting huge rucksacks as they listened.

"Jeez! How old is this kid, eleven?" muttered one man towards the back.

"Actually, I'm twelve." Yash gritted his teeth.

Twelve years living at the base of this mountain, he thought to himself, compared with the twelve hours since you got off the plane.

A wise voice then echoed in his head.

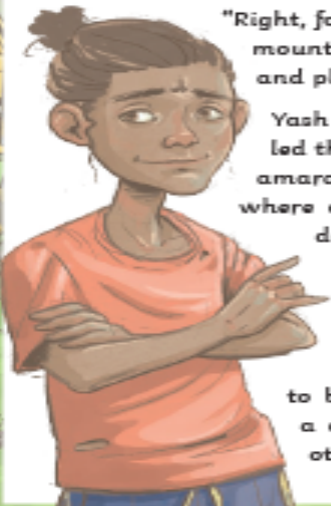
Always be welcoming to friends but be even more welcoming to visitors.

He forced another smile and then fastened his rarely brushed brown hair into a messy knot with a plain elasticated band which he took from his wrist.

"Right, follow me. It's a few hours to the base camp. The Jagurdwa mountain is home to thousands of different species of animals and plants..."

Yash began his ritual of information and storytelling as he led the trek. He weaved his familiar route through the fields of amaranth crops, up a steep slope and past the Spring of Hope, where clear, cool ground water pooled gently before tumbling down the mountain rocks.

The area around the Spring of Hope always reminded him how much new life came from even the tiniest nooks and crannies on the vast Jagurdwa mountain. Cracks and crevices along the side of the steep path were home to beetles and spiders and, behind the cascading waterfall, a damp, shallow cave served as a perfect hiding place for other small creatures who preferred the darkness. The river



The Man Who Bought a Mountain

that cascaded from here with its streams and pools provided homes for fish and other creatures, and food for people.

Some visitors squealed or jumped in fright at the sight of the many animal species living on its slopes, but Yash loved to see them and took pleasure in trying to identify one set of distinguishing features from another. He knew that some animals lived only in this mountain region and nowhere else.

The group wound their way along the rocky track which led to the path of yaks. Yash's scratched and faded boots glided deftly over each section of the rough ground. He gripped a finely crafted stick with his right hand, made by his grandfather. The tip of it reached shoulder height and he planted it into the ground with every alternate footstep. Yash knew this – and every – path up the mountain like the back of his hand, and he adored every inch of the familiar landscape.

Behind him trudged the group, each kitted out with walking boots and hats and weighed down with their heavy bags. Sometimes, the groups were chatty and asked lots of questions; sometimes, they marched silently as though they had been sent as a punishment. Thankfully, this lot seemed like a fairly interesting bunch.



This is an extract from the Twinkl Originals story 'The Man Who Bought a Mountain'.

Questions

1. Look at the first paragraph.

How does Yash describe the conditions of the path?

2. Look at the sentence beginning 'He had spoken loudly and clearly to the group of nine men and women...'.
What does this sentence tell the reader about Yash? Explain your answer.

3. Complete the table below. Tick **True** or **False** for each of the statements.

	True	False
There were nine men and women in the group.		
The group had only been off the plane for ten hours.		
The trek to base camp was a few minutes long.		
Yash had lived at the base of the mountain for twelve years.		

4. What does the word **rarely** suggest about Yash's hair?

5. Look at the paragraph beginning 'The area around the Spring of Hope...'.
Give **two** different uses for the water described in this section.

6. *Yash's scratched and faded boots glided deftly over each section of the rough ground.*

(a) What does the reader learn about the condition of Yash's boots?

(b) What do the words 'glided deftly' suggest about Yash?

or that he moves quickly and easily.



Answers

1. Look at the first paragraph.

How does Yash describe the conditions of the path?

rocky and steep (mostly uphill)

2. Look at the sentence, beginning, 'He had spoken loudly and clearly to the group of nine men and women...'

What does this sentence tell the reader about Yash? Explain your answer.

Accept reasonable inferences, such as: Yash is confident because he speaks loudly which shows that he isn't nervous; he is experienced as he knows that it is important to speak clearly.

3. Complete the table below. Tick True or False for each of the statements.

	True	False
There were 9 men and women in the group.	✓	
The group had only been off the plane for 10 hours.		✓
The trek to base camp was a few minutes long.		✓
Yash had lived at the base of the mountain for 12 years.	✓	

4. What does the word *rarely* suggest about Yash's hair?

'Rarely' shows that he doesn't brush his hair often/it is not done regularly or frequently.

5. Look at the paragraph beginning, 'The area around the Spring of Hope...'

Give **two** different uses for the water described in this section.

Accept: The water provided homes for fish and other creatures, and food for people.

6. Yash's *scratched and faded boots glided deftly over each section of the rough ground.*

(a) What does the reader learn about the condition of Yash's boots?

Accept: the boots are old; worn; well used.

(b) What do the words 'glided deftly' suggest about Yash?

Accept any answer that suggests that Yash is confident, expert, knows the region well or that he moves quickly and easily.

Friday - Antonyms and Synonyms worksheets

Synonym	Word	Antonym
halt	stop	go
	rich	
	dirty	
	near	
	hard	
	laugh	
	greeting	

Synonym	Word	Antonym
scorching	hot	cold
	over	
	buy	
	man	
	wrong	
	before	
	same	

Friday - Art



Flags

**What do flags tell us?
How would you design a flag to tell people about you?**

What do flags tell us?



The American flag has 13 red and white stripes which stand for the 13 original states. The stars stand for the 50 states that there are now.

Challenge: What do the English and British flags tell us? 

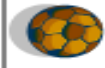





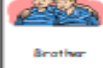

How to design your own flag...

Write your name really big in the middle of your paper.

Decide what things are important to you in your life, and think of a symbol for each of these.

Draw the symbols on your flag.

What is important to you?

 Football	 Family	 Beach	 Friends
 Doing well at school	 Pet dog	 Brother	 Being happy...

Now review your work...

What do you like about your work?
What would you do differently next time?

You will now be sent to another table to look at the flags other children have designed.

What three things do you like about their flag? What do you think could be improved?

And finally...

What ideas do you have for a class flag?

What should be important to us as a class?