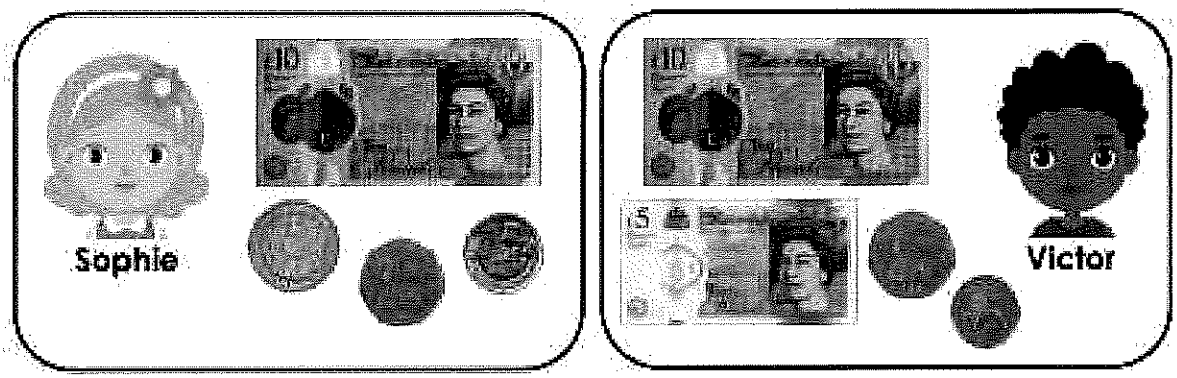
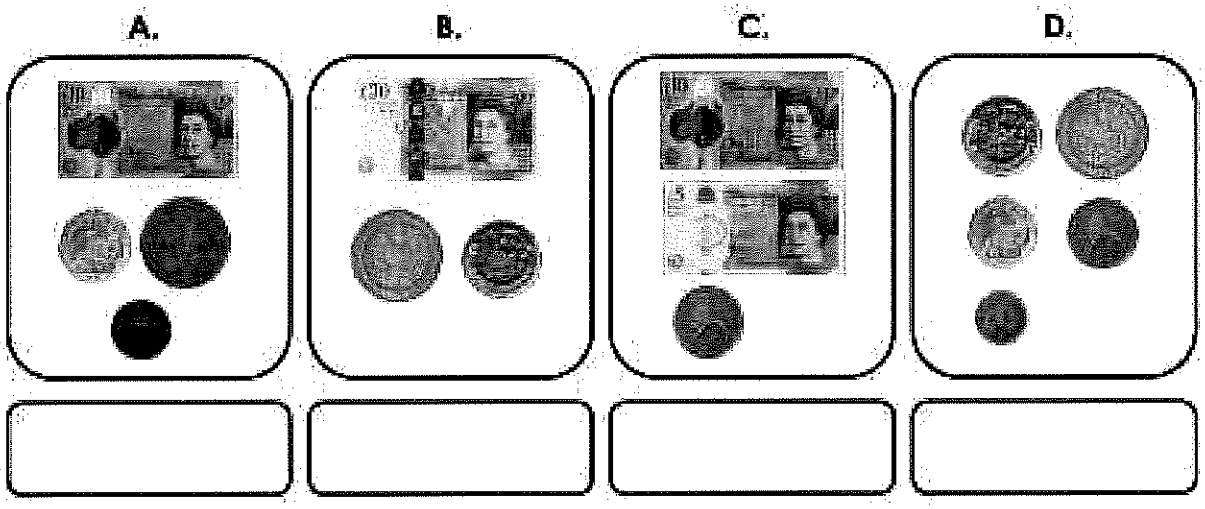
Counting Money- Notes and Coins

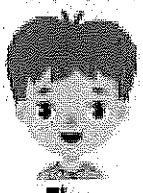
1. A football costs £13 and 55p. Who has enough money to buy it?



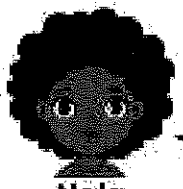
2. Write the total for each amount.



3. Tim and Nala are counting their money. What combination of notes and coins could Nala have? Find three possibilities.



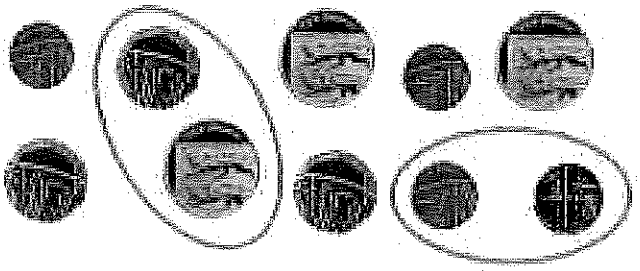
I have one note and three coins in my money box which total £11 and 60p.



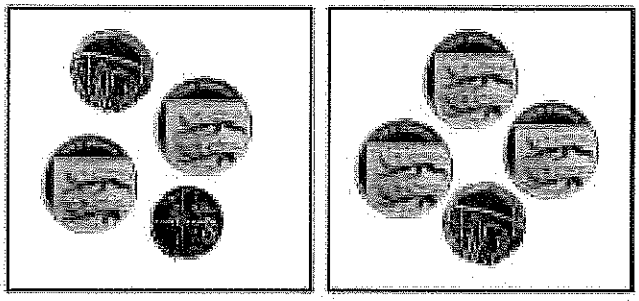
I have one note and three coins in my money box and I have more money than Tim.

Select Money

1. True or false? The amount of money circled below is 76p.



2. Which box contains 50p? Circle A or B.



A B

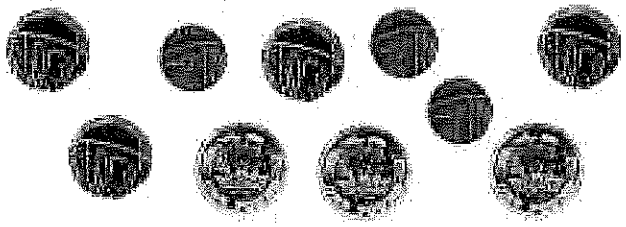
3. Which box has the missing amount of money?

£5 and 60p = £4 + ☐ + 50p + 10p

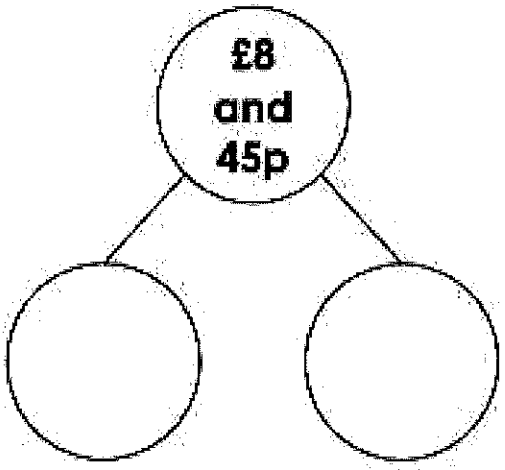
A B C

4. Will has the amount shown below.

Circle the other coins that he will need to total £9 and 21p.



5. Using 1 note and 6 coins, complete the part-whole model. Give 2 possible answers.



6. Angela and Stephen both have £5 and 3p.

I have 6 coins.

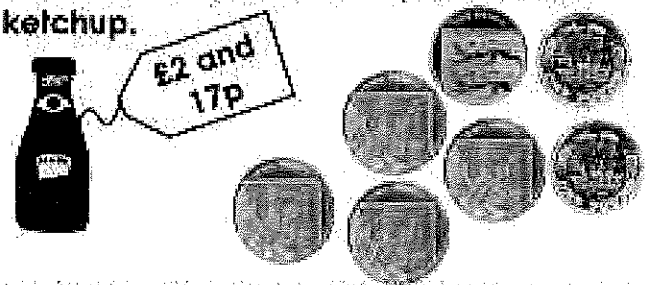
Angela

I have one note and two coins.

Stephen

What combinations could Angela and Stephen have?

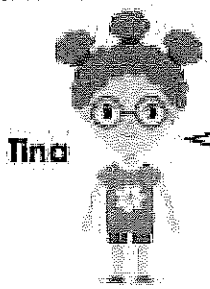
7. Max and Lily want to buy a bottle of ketchup.



Lily thinks they have enough money. Max thinks they need more money.
Who is correct? Explain how you know.

Compare Money

1. Tina and Fred share the same birthday. They each receive different amounts of money in their birthday cards from friends and family.



Tina

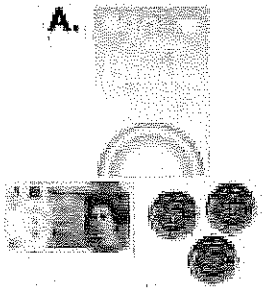
I have received £12 and 50p in total.

I have received £3 and 50p so far.

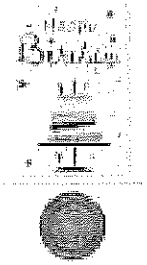
Fred

Fred receives 2 more birthday cards.

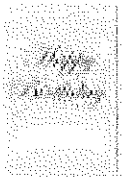
A.



B.

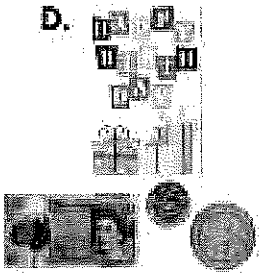


C.



£5

D.



E.

£7

Explore which cards Fred could receive to make his total more than Tina's.

Card A		Card B		Money so far		Total
	+		+	£3 and 50p	=	

Card A		Card C		Money so far		Total
	+		+	£3 and 50p	=	

Card A		Card D		Money so far		Total
	+		+	£3 and 50p	=	

				Money so far		Total
	+		+	£3 and 50p	=	

				Money so far		Total
	+		+	£3 and 50p	=	

				Money so far		Total
	+		+	£3 and 50p	=	

				Money so far		Total
	+		+	£3 and 50p	=	

				Money so far		Total
	+		+	£3 and 50p	=	

				Money so far		Total
	+		+	£3 and 50p	=	

Add and subtract 10s

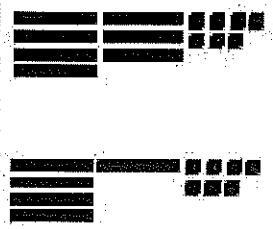
1. Calculate the missing digits in the calculations below.

A.

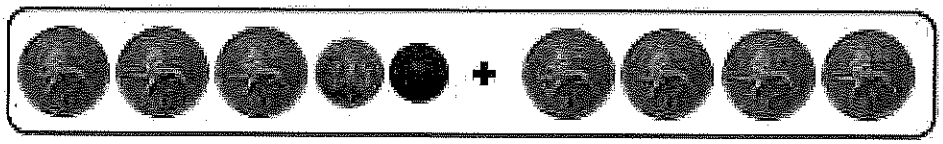
	2	2
+	☐	0
	6	2

B.

	7	7
−	☐	0
	5	7



2. Chloe had 36p and was given another 40p. Circle the correct calculation.



A.

	3	6
+	4	0
	1	6

B.

	3	6
+	4	0
	7	0

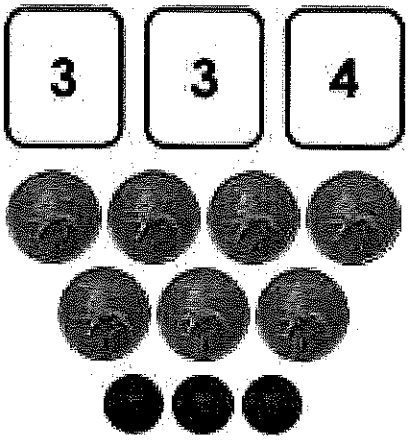
C.

	3	6
+	4	0
	7	6

3. Guy has 73p to spend. Use the digit cards to show what he could have spent at the shop.

	7	3
−	☐	0

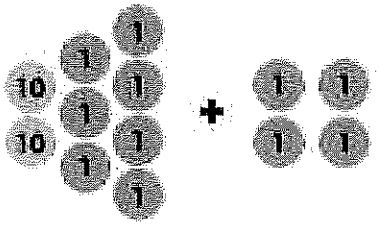
	7	3
−	☐	0



Complete two possible calculations.

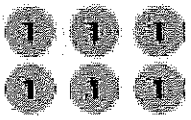
Add 2-digti number to a 1- digit number

1. Use the place value counters and the column method below to calculate 27 + 4.



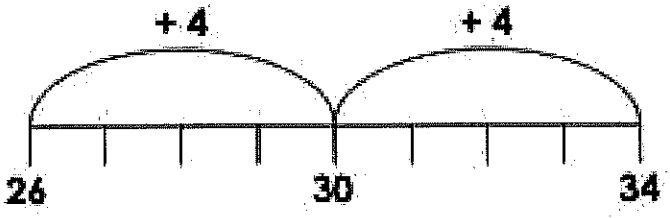
	2	7
+		4

2. What number does Ahmed finish with?



I start at 43 and then add 6.

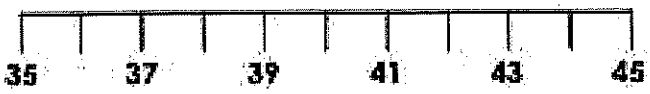
3. Joseph thinks 26 + 8 = 34.



Is he correct?

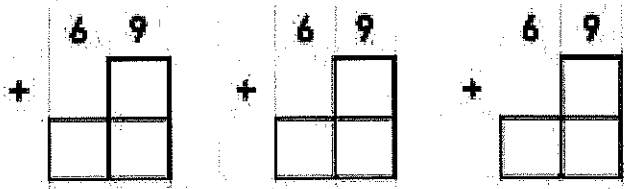
4. Use the number line below to solve the calculation.

35 + 7 = ☐



5. Use the clues to solve the calculation. Find 3 possibilities.

I am adding a 1-digit number. It is greater than 1 but less than 5.



6. Kyle completes a calculation using place value counters.

37 + 7 = 44

Is he correct? Explain how you know.

7. Put an 'X' next to the incorrect calculation.

A. 39 + 6 = 44 ☐

B. 9 + 17 = 26 ☐

C. 5 + 29 = 34 ☐

Use the number line to find the correct answer.

Add two 2-digit numbers

1. Which calculation is correct?

A.

	T	O
	4	8
+	2	1
	7	0
	1	

B.

	T	O
	3	5
+	4	6
	7	1
	1	

C.

	T	O
	2	5
+	4	5
	7	0
	1	

2. Draw a line from each calculation to the correct answer.

A.

	T	O
	4	7
+	3	5

B.

	T	O
	1	5
+	5	7

C.

	T	O
	3	9
+	5	3

92

82

72

3. Ana the zookeeper is counting the birds she needs to feed.

She says,

There are 38 big birds and 34 small birds. I will need to feed 62 birds in total.

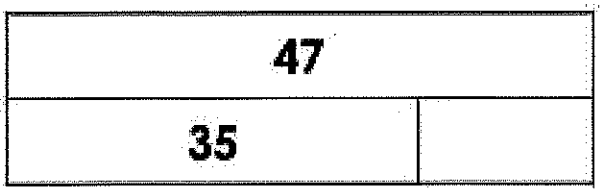
big birds	T	O
		●●●
		●●●
		●●

small birds	T	O
		● ●
		● ●

Is Ana correct? Using addition, explain why.

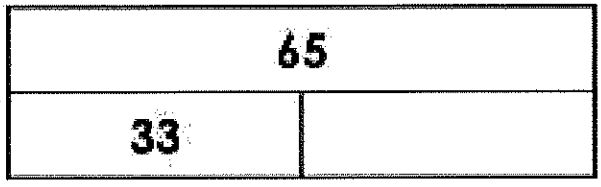
Subtract 2-digit numbers

1a. Write a calculation to match the bar model below and complete the answer.



☐ – ☐ = ☐

1b. Write a calculation to match the chart below and complete the answer.



☐ – ☐ = ☐

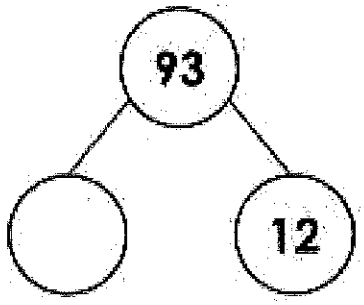
2a. True or false?

73 – 41 = 32

2b. True or false?

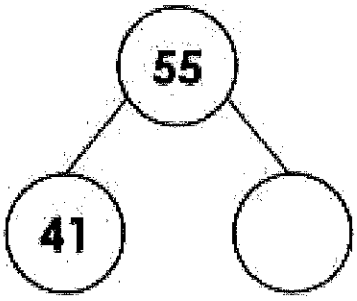
39 – 24 = 14

3a. Circle the correct answer.



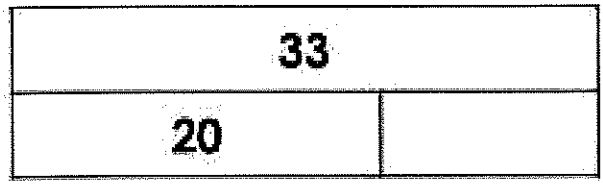
72 81 71

3b. Circle the correct answer.

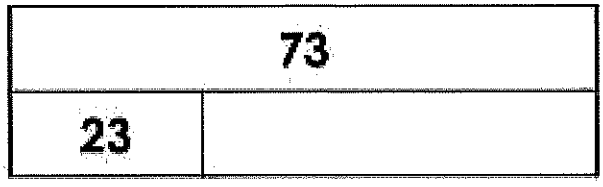


14 16 13

4a. Work out the calculation below.



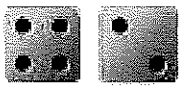
4b. Work out the calculation below.



Subtract 2-digit numbers

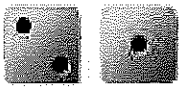
Roll your dice twice to generate a 2-digit number. Starting from 99, subtract every 2-digit number you roll until you reach a 1-digit number.

For example:

 = 42

		9	9
−		4	2
		5	7

Then, roll again:

 = 21

		5	7
−		2	1
		3	6

If you cannot subtract the number, roll again.

99	98	97	96	95	94	93	92	91	90
89	88	87	86	85	84	83	82	81	80
79	78	77	76	75	74	73	72	71	70
69	68	67	66	65	64	63	62	61	60
59	58	57	56	55	54	53	52	51	50
49	48	47	46	45	44	43	42	41	40
39	38	37	36	35	34	33	32	31	30
29	28	27	26	25	24	23	22	21	20
19	18	17	16	15	14	13	12	11	10
9	8	7	6	5	4	3	2	1	0

−	−	−	−
−	−	−	−

Subtract 2-digit numbers

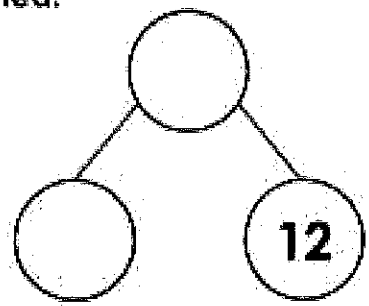
1a. Explain the mistake below.

Four tens subtracted from nine tens is four tens.
2 ones subtract two ones is zero.
The answer is 40.

1b. Explain the mistake below.

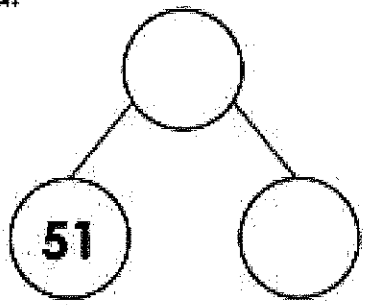
Six tens subtracted from eight tens is 2 tens.
8 ones subtract 3 ones is six ones.
The answer is 26.

2a. Ben has subtracted a number from seventy-four. Use the part-whole model below to work out what number he subtracted.



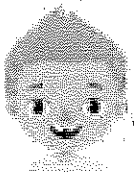
What number did he subtract?

2b. Fliss has subtracted a number from eighty-three. Use the part-whole model below to work out what number she subtracted.

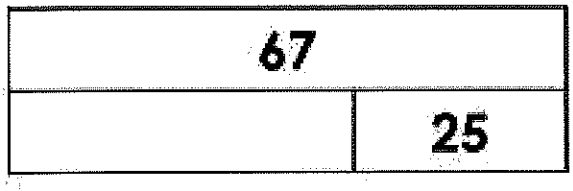


What number did she subtract?

3a. Adam says this about the bar model below.



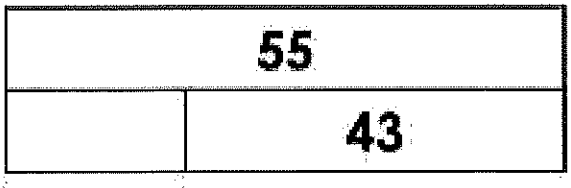
The missing number is 82 because if I subtracted five ones from seven ones, I would have two ones left.



Is Adam correct? Explain your answer.

3b. Aisha says this about the bar model below.

The missing number is 18 because if I subtracted four tens from five tens, I would have one ten left.



Is Aisha correct? Explain your answer.

Bonds to 100

1. Connect the bonds to 100.

A.

B. 58

C. sixty-one

1. twenty-six

2. 39

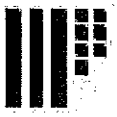
3.

2. Daniel has made a bond to 100.

thirty-two +

Is he correct?

3. Find 2 bonds to 100 in the grid below.

	87	
75		43

4. Choose the correct number to complete the bond to 100.

+ ☐ = 100

41 51 31

5. Ahmed is making bonds to 100.

I have 64.
I need 4 tens and 5 ones to make 100.

Is he correct? Prove it.

6. Use the digit cards to complete the number bond below.

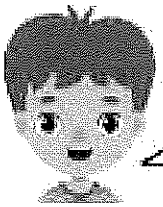
9	5	1	4

Rearrange the cards to find two ways.

☐☐ + ☐☐ = 100

☐☐ + ☐☐ = 100

7. Russ is thinking of two numbers to make a bond to 100.

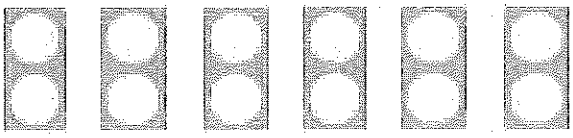


My tens digit and ones digit are the same in the first number.
In the second number I need more than five tens to make a bond to 100.

What could his number be?
Find two possibilities.

Multiplications – 2 Times tables

1. Use the number pieces to complete the calculation.



☐ x 2 = ☐

2. Jacob is using a bar model to solve the calculation 9 x 2. Is he correct?

19								
2	2	2	2	2	2	2	2	2

3. Match each calculation to its answer.

5 x 2	20
2 x 10	16
12 x 2	10
2 x 8	24

4. Find the missing numbers.

A.

2	2	2	2	2	2	2

B.

8		12		16

5. There are 2 balls in a box.

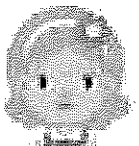
Ruby

I have 11 boxes so I have 22 balls.

22										
2	2	2	2	2	2	2	2	2	2	2

Is Ruby correct? Explain why.

6. Leyla and Noel each buy some sweets.



Leyla

I have 2 packets of 9 sweets.

I have 12 packets of 2 sweets.

Noel

Who has the most sweets?

7. Use the digit cards below to complete the calculations. You can use the cards more than once.

8	6	1	7	4

Find 2 possibilities.

☐ x 2 = ☐☐

☐ x 2 = ☐☐

Multiplications – 5 Times tables

1. Complete the calculations and match them to the correct images below.

A.

$5 \times \square = 35$

B.

$5 \times 5 = \square$

C.

$\square \times 5 = 40$

2. Use the digit cards below to complete the calculations. Each card can be used more than once.

5	0	2	10

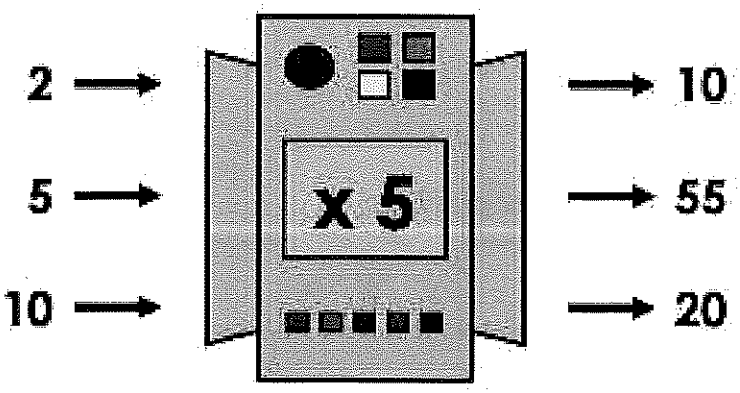
A. $5 \times \square = 50$

B. $\square \times \square = 0$

C. $10 = \square \times 5$

D. $15 = \square \times 3$

3. Sarah's machine multiplies numbers by 5. She thinks her machine is broken and some of the answers are wrong.
Do you agree? Explain your answer.



Multiplications – 10 Times tables

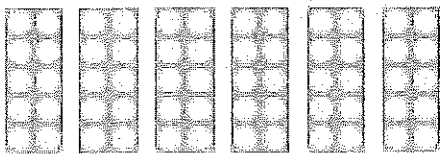
1. Use the digit cards to create a multiplication that equals the answer below.

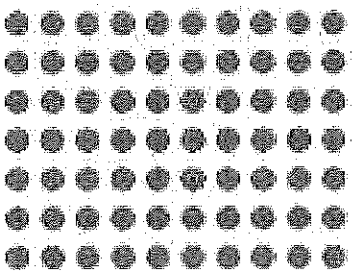
40

10	+	4	x	=

2. Circle the odd one out.

A. 10 x 7

B. 

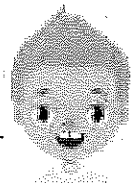
C. 

D. 7 x 10

3. Lucy and Richard are rolling a dice and multiplying the number they land on by 10.

Lucy: The highest number we can make is 60.

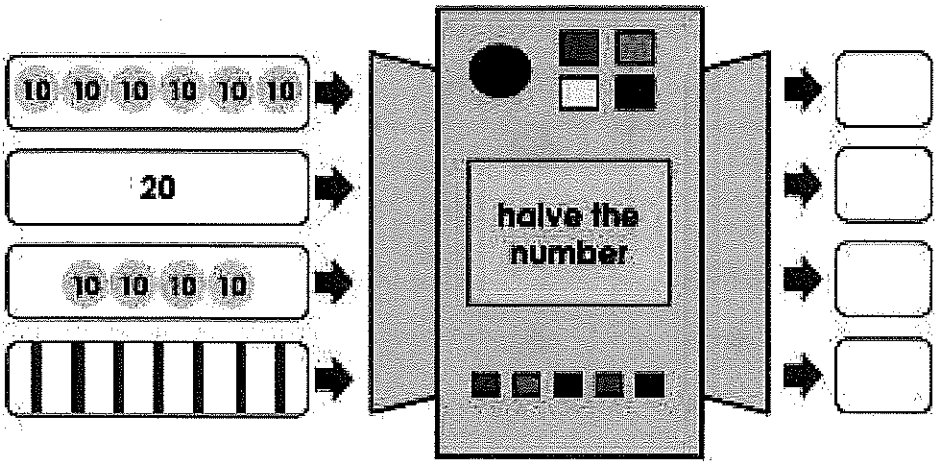
Richard: The lowest number we can make is 0.



Are they correct? Explain your answer.

Fractions- Find a half

1. Complete the missing numbers.



2. Match the whole number to its half.

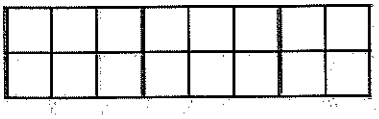
A. 10 10 10 10 10 10 10 10 10 10	B. 18	C. 10 10 1 1 1 1	D. 10

1. 5	2. 50	3. 9	4. 12

3. Daisy has £10 to spend. Which of these items can she afford in the half price sale? Explain your answer.

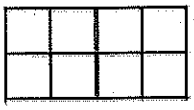
Fractions- Find a quarter

1. Match the fractions to the correct answer. Shade $\frac{1}{4}$ of the shapes to help you.



$\frac{1}{4}$ of 16 is

3



$\frac{1}{4}$ of 8 is

2

$\frac{1}{4}$ of 12 is

4

2. Complete the bar models and the corresponding statements.

A.

20	
10	10

$\frac{1}{2}$ of ☐ is ☐

$\frac{1}{4}$ of 20 is ☐

B.

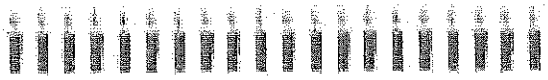
16	
8	8

$\frac{1}{2}$ of ☐ is ☐

$\frac{1}{4}$ of 16 is ☐

3. Tom followed the instructions below to decorate a birthday cake. Which cake did he make? Explain your answer.

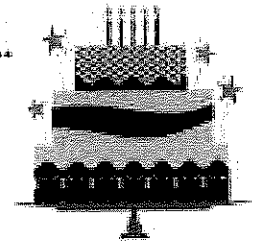
1. Candles: $\frac{1}{4}$ of 20



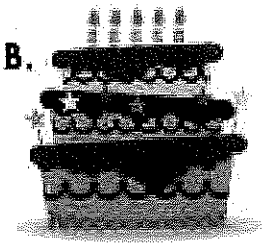
2. Stars: $\frac{1}{4}$ of 16

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

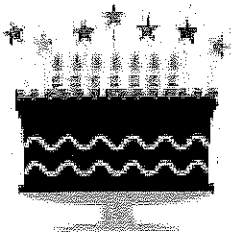
A.



B.



C.



Reading Challenge 1

COASTAL HOLIDAYS

It's time for a holiday on the coast, where the land meets the sea.

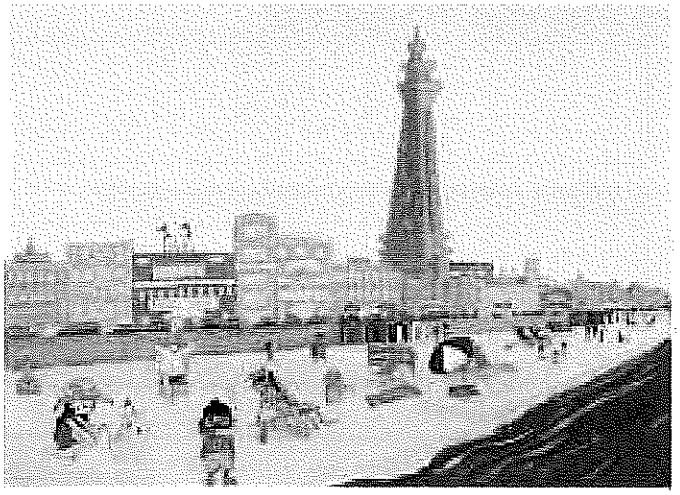
On the island of the United Kingdom, we are surrounded by the sea. We are spoilt for choice for places to visit on the coast for a much needed holiday. COASTAL HOLIDAYS have lots of fantastic deals this year. Keep reading to find some ideas for your trip...

BLACKPOOL

from £60 per person

Blackpool is one of the best loved seaside towns in the UK. Come and build sandcastles on the beach and paddle in the sea. Stay at The Pool Inn or Sandy Hotel and relax in our comfy rooms.

Email us at:
blackpool@coastalholidays.co.uk **for more information.**



CORNWALL

from £67 per person

Come to Cornwall for an adventure! Look at the sea from the cliffs or the lighthouse. Stop at our Coastal Cottages for a cosy, family holiday. You won't want to go back home again!

Email us at:
cornwall@coastalholidays.co.uk **for more information.**

Call us on...

0800 1234 5678

and book your COASTAL HOLIDAY today!

Reading Comprehension 1 - Costal Holidays

Read the holiday advertisement on the next page and answer the questions.

1. What is a coast?

2. Which coastal holiday would you most like to go on?

3. What does UK stand for?

4. Which holiday is the cheapest deal?

5. Have you ever been to the coast before? If so, what was it like? If not, what do you think it would be like?

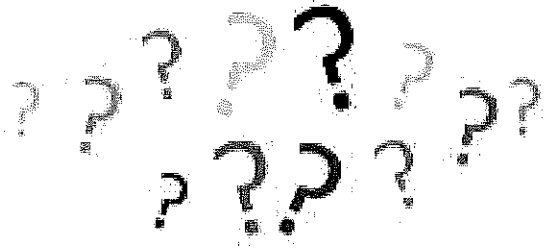
6. Why do you think the brochure has pictures?

7. What is the slogan for Coastal Holidays?

8. Why do you think the writer has used short sentences in small boxes instead of writing lots of text?

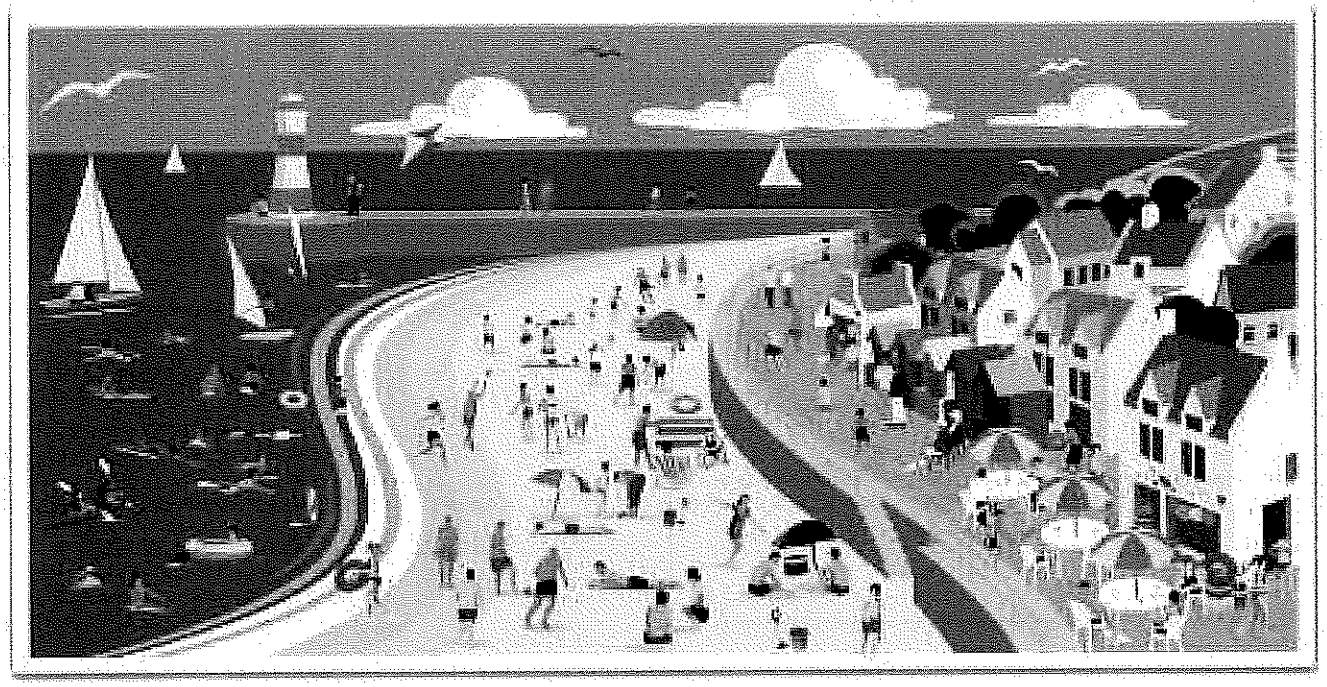
Writing Challenge 1

Think of different questions you could ask about the picture.



Question words

Who	What
Why	Where
When	How



Word bank

beach	sea	sandcastle	lighthouse
café	picnic	sunny	swim
beach hut	boat	seagull	paddle

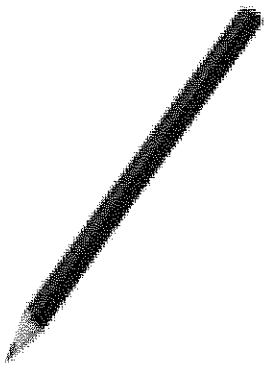
Writing Challenge 2

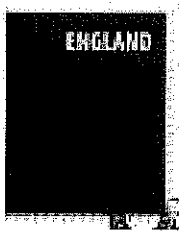
Write a postcard to a friend or relative to tell them about your week in lockdown. Include a list of all the things you have been doing and remember to use commas.

Things you could include:

- What activities have you been doing?
- How is home school going?
- What do you miss at the moment?
- What are you enjoying at the moment?

Don't forget to use capital letters and full stops!





Sentence starters

This week I have....

I really enjoyed....

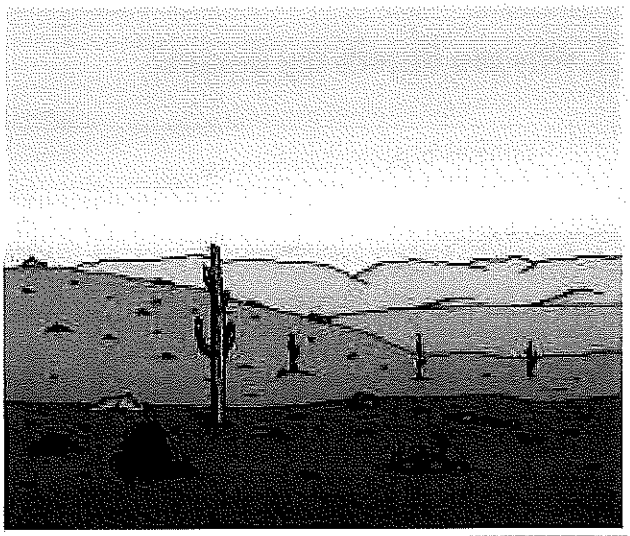
I'm missing...

I have been learning...

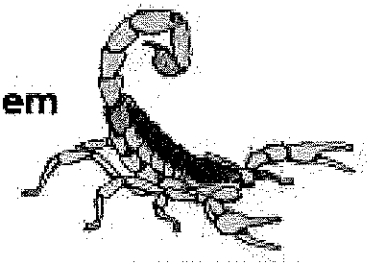
Reading Challenge 2

Desert Wildlife

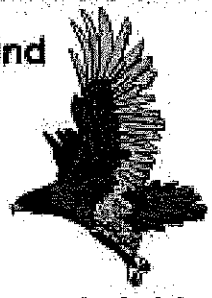
A desert is a kind of habitat. Deserts are very dry places that get very little rain. Often deserts are very hot during the day but cool at night. Many desert animals hide under the ground while it is really hot and come out to eat as it starts to get dark. Most desert plants and animals do not need very much water.



Deserts are not easy places for animals to live. Animals who live in them often have special features that help them survive. For example, a scorpion has a hard shell that helps keep water inside its body.



Some desert animals are predators and hunt other animals. Hawks and eagles might eat rabbits, snakes, mice and other birds. Large mammals like coyotes hunt rabbits and mice at night.



Meerkats live and hunt in gangs. At night they rest in burrows linked by tunnels. They eat insects and scorpions. Their ears fold back when they dig to stop soil getting inside.

Did you know?

Kangaroo rats that live in the USA can live their whole lives without ever drinking. They get all the moisture they need from the seeds in their diet.

A perentie is a two metre long lizard that lives in the Australian desert. It will eat anything from birds' eggs to a small kangaroo. It can live for 20 years as nothing threatens it once it is adult.

Reading Comprehension 2- Dessert Life

Read the text on the next page and answer the questions.

1. Why are deserts dry places?

2. How do some animals stay cool during the day?

3. How are meerkats adapted to their life in burrows?

4. Where in the world are perenties found?

5. Why do you think that perenties live for such a long time?

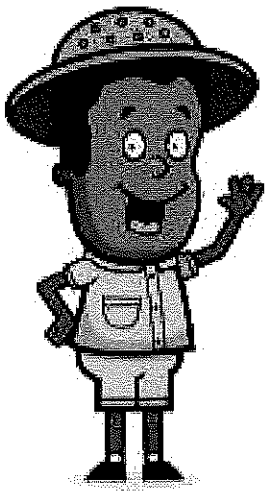
6. List three predators that are described in the text.

7. Write one interesting fact about a kangaroo rat.

8. What is special about information shown in a 'Did you know?' box?

Writing Challenge 4

Write instructions for how to survive in the desert.



Things to think about:

- What would you need to survive in the desert?
- Think about how hot it is, which animals you might meet and where you might sleep.
- Remember to use *first, next, then, last* to write instructions.
- Try joining two sentences together using *because* or *although*.

Word bank

hat	sun cream	water	tent
spider	scorpion	cactus	rocks
snake	dry	oasis	camel

Writing Challenge 5

Write a repeating poem about the image below.
Use the phrase *'I can see...'* to start each line. Try to extend sentences by using *and*.

Word bank

palm tree	sun	water	sand
rocks	skull	pyramids	oasis
camel	dry	dust	scorpion

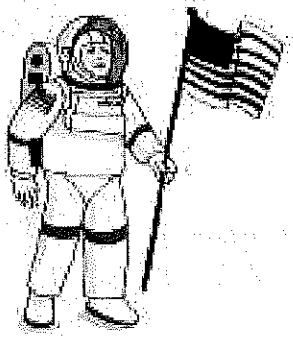
Reading Challenge 3

COMPETITION

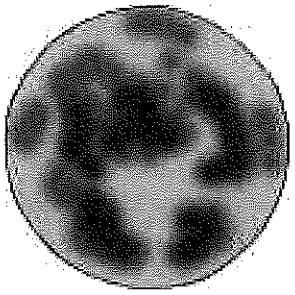
Win two tickets to The Space Museum's Neil Armstrong event!

On the 21st of July, The Space Museum will be putting on a very special event. On this day in 1969, Neil Armstrong was the first person to walk on the moon and we think we should celebrate! We will watch the famous video of the historic event and we're excited to tell you that some of NASA's top astronauts will be here to answer any questions you may have!

Learn about Neil's life and work!



Win prizes in our Moon Landing Quiz!



Enjoy our Space party with food and drinks!

When Neil Armstrong took his first step on the moon he said,
"That's one small step for man, one giant leap for mankind."
He was right! At our event, we'll also look at the steps we have taken in space travel since that very first moon walk.

To enter the competition, simply answer this question:

Who was the second man to walk on the moon?

A. Buzz Moon
B. Buzz Aldrin
C. Buzz Lightyear

Circle the correct answer, fill in your contact details and post this slip to:
The Space Museum, Moonlight Way, London, WC8 9AB
OR email your name and answer to: competitions@thespacemuseum.org

Name: _____ Contact Number: _____

Reading Comprehension 3 - Competition

Read the text on the next page about a fictional competition and answer the questions.

1. What date did Neil Armstrong take the first steps on the moon?

2. What might the space party be like?

3. What did Neil Armstrong say when he took his first step on the moon?

4. How do you enter the competition?

5. Why is the event on the 21st July?

6. What is the answer to the competition question?

7. Where is The Space Museum?

Writing Challenge 6

1. Underline the contractions in the sentence below.

The rocket couldn't set off as there wasn't enough fuel.

2. Match the words with their contractions.

did not	you'll
we have	we've
you will	didn't

3. Make 3 contractions from the words below.

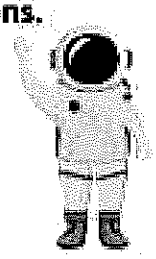
she have we

are had you

4. Rewrite the sentence using contractions.

You would not be able to walk on Jupiter because it is not solid.

5. Each of the facts below are <u>not</u> true! Rewrite the sentences using contractions.



Venus <u>is</u> the closest planet to the Sun.

_____

You <u>can</u> go into space without a spacesuit.

_____

There <u>are</u> ten planets in our Solar System.

_____

Writing Challenge 7

1. Circle the commas in the sentences below.

Max's best friends are Liam, Joe, Maisy and Connie.

Lexi's favourite subjects are Maths, Music, Art and PE.

2. Tick the sentence that uses commas correctly.

A. Dan saw monkeys, lions, zebras and tigers at the zoo. ☐

B. Dan saw, monkeys, lions, zebras and tigers at the zoo. ☐

3. Joe thinks that one of the commas in the sentence below is incorrect.

Mia liked to visit her nan, grandad, grandma, uncle.

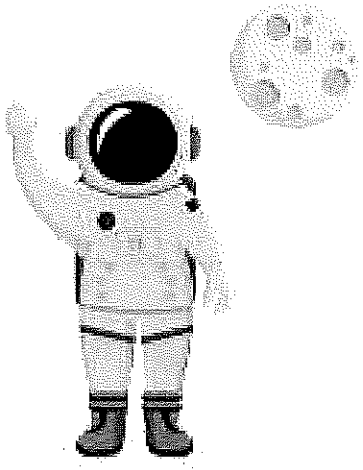
Do you agree? Explain why.

4. Use the words bank to complete the sentence. Your sentence must make sense.

strawberries,	and pizza.
chicken	chocolate,

My favourite foods are...

5. Write a sentence including a list of equipment an astronaut would need for a trip to the moon and a sentence including what the astronaut saw.



Writing Challenge 8

1. Match the following sentences to the correct sentence type.

A. What a nice doll you have!	a command
B. The cow is very silly.	a statement
C. Open the door for me.	an exclamation

2. Tick the question in the sentences below.

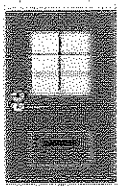
What can I do with the gold?

I think Maddy will find the most sweets.

The old man is very poor.

3. Change the statement below into a command.

The door needs to be shut.



Remember to punctuate your sentence correctly.

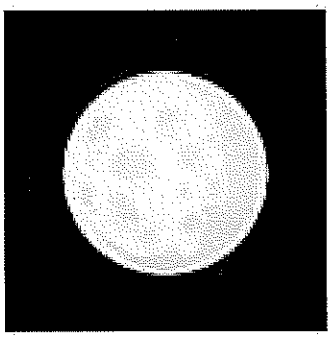
4. Wes is sorting sentences by type.

The children are very kind.

This sentence is a command.

Is he correct?
Explain how you know.

5. Write sentences about the moon using all four sentence types.



Reading Challenge 4

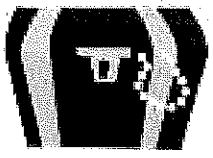
Pirate Adventure

Pirate Pete and his parrot Polly are best friends. They explore The Seven Seas on their trusty ship, The Jolly Roger. Pirate Pete and Polly have had many adventures together.

One morning, Pirate Pete woke up in his cabin. "Good Morning, Polly!" he yawned. There was no answer. Polly was nowhere to be seen. He climbed out of his hammock. He checked behind the anchor. She wasn't there.

He checked all over The Jolly Roger. Polly was no where to be seen. Pirate Pete wondered where Polly could have gone. He asked Pirate Paula if she had seen Polly. She hadn't seen her either.

Pirate Pete was worried. Just then, he heard a clank, a rattle and a clatter. The noise was coming from the treasure chest. Pirate Pete was scared. He carefully tip-toed across the deck. He reached out to the lock and twisted the key.



Suddenly, Pirate Pete was knocked backwards as wings flapped at him. "Squawk!" howled Polly as she flew out of the treasure chest. "There you are!" shouted Pirate Pete. "Found me!" squawked Polly. "I love playing hide and seek. It's your turn!"

Reading Comprehension

Pirate Adventure

Read the story on the next page and answer the questions.

1. Where do Pete and Polly explore?

2. What is the name of Pirate Pete's ship?

3. What did Pete say when he woke up?

4. Where does Pete sleep?

5. How do you think Pete felt when he couldn't find Polly?

6. List 3 sounds that Pirate Pete heard.

7. Where did Pete find Polly?

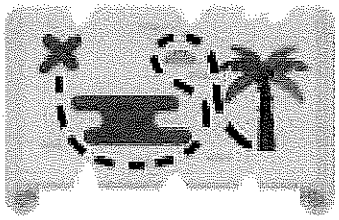
8. What game was Polly playing?

Writing Challenge 9

Write instructions on how to make a treasure map.

Things to think about:

- What equipment would you need to make your map?
- What features would there be on the map? You might wish to include a swamp, a lake, a hill or a palm tree.
- Remember to use *first, next, then, after that, finally* to write instructions.
- Try joining sentences together using words like *so, or, but, and*.



Word bank

island	scissors	directions	treasure
tree	path	bush	beach
pencils	river	compass	paper

Writing Challenge 10

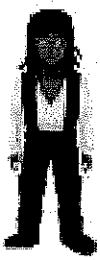
Make a 'Wanted!' poster to recruit more pirates for the captain's crew. Think about the presentation of your poster to make it eye-catching. Make sure you form all of your letters correctly and use lots of adjectives for description.

Word bank

pirate	sailor	sea	parrot
danger	seasick	rigging	hat
exciting	adventure	sails	brave

Writing Challenge 11

Pretend you're a pirate and write diary entries for each day of the week.



Things to think about:

- Write the days of the week in order.
- Verbs (doing words) have to be in the past tense, usually with –ed on the end.
- Include lots of description.
- Start each day of the week on a new line.

Dear Diary,

On Monday

Word bank

dangerous	decks	sails	crow's nest
island	telescope	mast	treasure

SPAG – Adding suffixes "-full" and "-less"

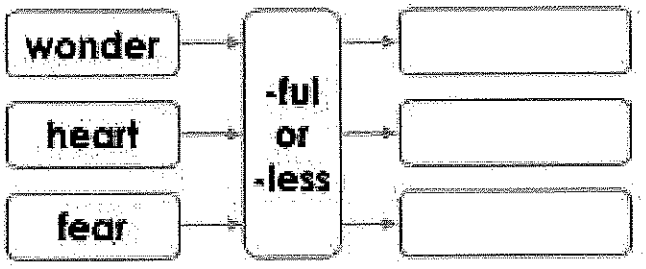
1. Underline the words with a suffix in the sentence below.

The deck is spotless and the captain said we had been very helpful.

3. Pirate Pete has been adding suffixes. Spot the two mistakes he has made and correct them.

plenty	+	ful	=	plentyful
hate	+	ful	=	hatefull
hope	+	less	=	hopeless

2. Complete the words below by adding the correct suffix.

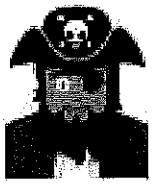


4. Add a suffix to the word below and then write a sentence using the new word.

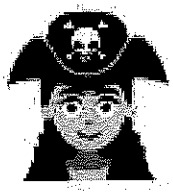
mouth

ful less

5. The captain is cross with the pirates. Explain why.



careless _____



useless _____

forgetful _____

SPAG – Adding the suffix "-ly"

1. Complete the sentence below using an adverb from the word bank provided.

That landing wasn't too bad, after all!

The plane landed _____ and the passengers cheered and clapped.

roughly fast smoothly late

2. Which adverb could complete both of the sentences below?

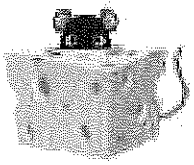
A. Max understood the instructions but he still looked really confused.

B. Fiz got full marks on the test as she had answered every question .

badly perfectly crossly late

3. Change the adverb in the sentence below to alter the action of the verb.

The mouse crept silently to the cupboard because it wanted to find some cheese to eat.



4. The adverb in the sentence below is not in the correct place. Draw an arrow to show where it should go.

The excitedly family laughed because they were going on holiday.

5. Help the captain to write a list of pirate rules for his crew. You must use adverbs ending in 'ly' to tell the crew how to do each action. The first one is done for you.

1. Growl fiercely at other sailors.
2. _____
3. _____
4. _____