YOUNG EDUCATION SERVICES
GREENWICH
Y4

Name: **Date:** Spring Term Pack 11

Prepared by: R. White

ENGLISH: UJ MP p.9 & p.10 Captured!

LDA Book 3 p.6 & p.7 Up and Away

SPELLING: Lifeboat Book 8 Lesson 4 al/el words

VERBAL REASONING: Next week

NON-VERBAL REASONING: CGP NVR The 11+ Practice Book

Ages 9-10 p. 54-55

VERBAL REASONING: CGP NVR The 11+ Practice Book

Ages 9-10 p. 30-31 Explore the facts

PLEASE NOTE: NVR to be completed in session & marked with tutor

MATHS: Rising Stars 4 p.13 - 20

New Curriculum Arithmetic Practice Tests Y4: Spring Test 6

Books and materials to be returned:

Teacher's Signature:

This homework given in on:

Teacher's Signature:

This homework returned on:

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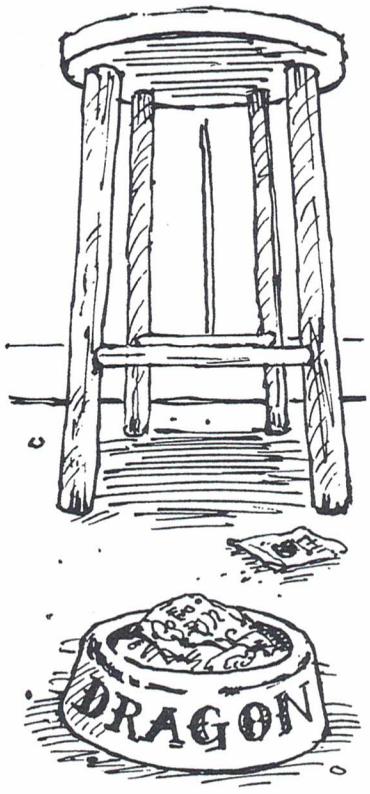
Name _____ Date _____

Captured!

It is vital for Mrs. Frisby to move her family of mice before the farmer ploughs the field and destroys her home. She seeks help from some super-intelligent rats at Mr. Fitzgibbon's farm. Although they agree to move her house to a safe place, they are wary of the huge farm cat who prowls the yard like a tiger. Mrs. Frisby agrees to slip into the farm kitchen and put sleeping powder in his cat food so the rats can work without fear of attack.



Where was the cat's bowl? Mrs. Frisby looked to her right as Mr. Ages had said. There it was, blue, with words inscribed around the side. Yet something was wrong. It was not two feet from the cabinet, but more like four or five. In the corner, where it should have been, rose four round wooden legs. She realised that she was looking at the bottom of a kitchen stool.

No matter, she thought. The extra distance is just a couple of feet. Mr. Ages had not mentioned a stool, but perhaps they moved it around. She crawled to her right as close to the bowl as she could get without showing herself, and tore open the package.

Just as she did this Mrs. Fitzgibbon walked over from the stove. Her hand appeared, picked up the bowl, and Mrs. Frisby heard it thump on the counter over her head. A cutting sound – a tin opener – the scrape of a spoon, and the bowl was back on the floor. The strong fishy smell of cat food. Mrs. Fitzgibbon walked away.

Now.

Mrs. Frisby moved swiftly out into the room, across the open floor, holding the powder, her eyes intent only on the bowl. She was no longer trembling. She poured in the powder, which instantly dissolved in the moist cat food. Still clutching the paper, she turned and sped towards the cabinet.

With a bang, the lights went dim. The ceiling, which had somehow become curved, was filled with little round moons. Mrs. Frisby kept running, and her face struck a cold, hard wall of metal.

A voice shouted:

"Mother! Don't let Dragon in yet. I've caught a mouse."

Billy, the young Fitzgibbon son, had been sitting on the kitchen stool, his feet up on the rung, eating berries from a colander.

Name _____ Date _____

Captured!

Read the passage carefully and then answer the following questions.

1 What is the name of the farm cat?

_____

2 In your own words describe the cat's bowl.

_____

3 What sort of creature is Mrs. Frisby?

_____

4 What sounds told Mrs. Frisby that Mrs. Fitzgibbon was getting the food ready for the cat?

_____

5 Explain in your own words how Billy caught the mouse.

_____

_____

6 Which words in the passage mean the same as or similar to: a) important? b) melted into?

a) _____ b) _____

7 There is a paragraph with only one word in it. What is the word and why do you think the author has written it in this way?

_____

8 Do you think Mrs. Frisby was successful in her attempt to drug the cat? Why?

_____

Up and Away

Have you ever wondered how a heavy jumbo jet, laden with over 700 passengers and all their luggage, can get off the ground and fly through the air? To gather speed along the runway, the plane is pushed forward by its jet engines. This is called 'thrust'. But how does this help the plane take to the air? It is all to do with air pressure. You can do a little experiment to see how it works.

Take a sheet of paper and hold it to your mouth, like this.

Now blow over it. You will notice that the paper rises up. This is because when you blow, it reduces the air pressure above the paper. There is now greater air pressure underneath the sheet and this pushes the paper up. This is exactly what happens to a plane. As it races along the runway, the air streaming over the top of the wings reduces the air pressure – just as when you blow over a sheet of paper. The air pressure underneath the wing is now greater and it lifts the plane up. This effect is called 'lift'. It is what gets a heavy jumbo jet airborne.

Up and Away

Read the text carefully and circle the best ending for each sentence.

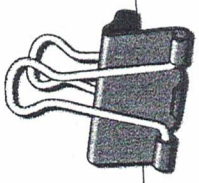
1. 'Thrust' comes from
   a) the jet engines.
   b) air pressure.
   c) the runway.

2. The experiment shows
   a) how hard you can blow.
   b) how light a sheet of paper is.
   c) what makes a plane take off.

3. 'Lift' is created by
   a) the air under the wing pushing downwards.
   b) the air under the wing pushing upwards.
   c) the air over the wing pushing upwards.

4. 'Airborne' means
   a) in the air.
   b) lighter than air.
   c) like air.

5. The text is about
   a) air safety.
   b) jumbo jets.
   c) how planes fly.

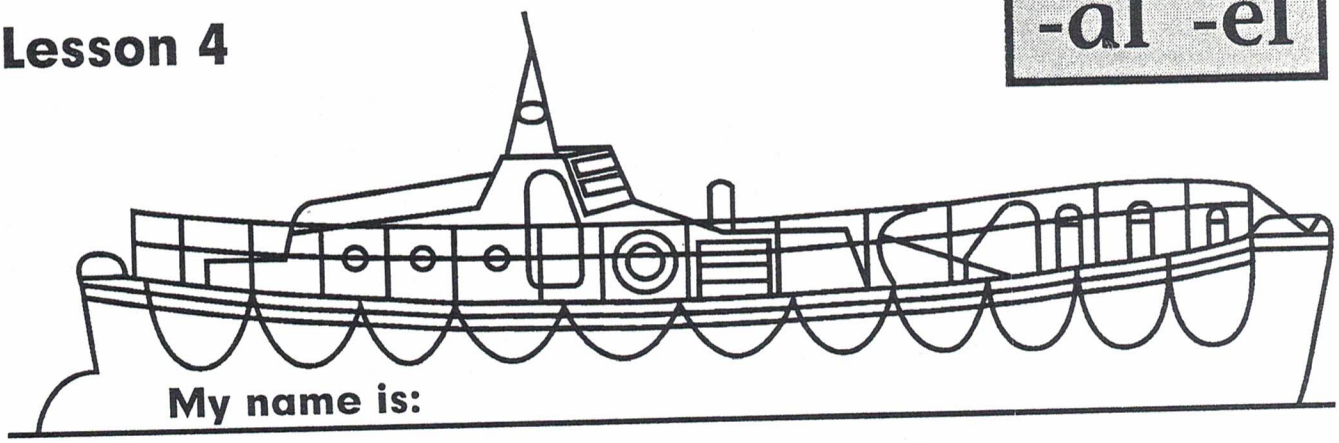


Express yourself

Imagine you are the pilot or a passenger on a jumbo jet. Describe the view from the cockpit or the passenger window from 9,000 metres. What can you see below? What can you see in the sky?

Lesson 4

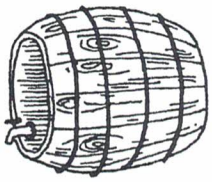
-al -el

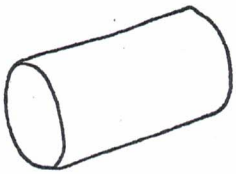


My name is:

We usually use -el with nouns and -al with adjectives.

angel
alphabetical
barrel
arrival
tunnel
kennel
snorkel
cylindrical





Track: al, el.

disloy(al)	money	funnel	capital	earth	knife
clerical	chemist	shrapnel	mammal	kestrel	mildew
coastal	above	mountain	leaves	cordial	hotel
snorkel	awful	prince	editorial	encroach	gulping
thirsty	equal	vowel	propel	photograph	trifle
several	station	musical	weasel	disappear	angel

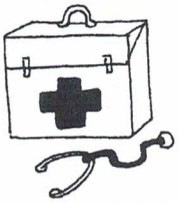
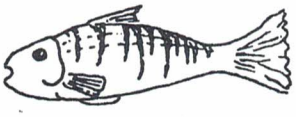
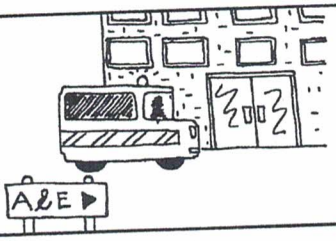
Word Match

Circle the same word.

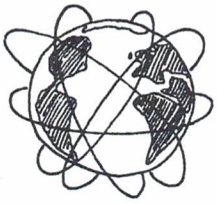
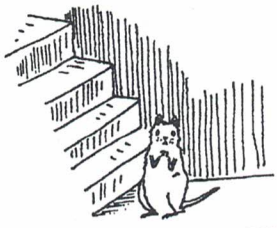
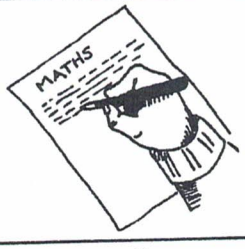
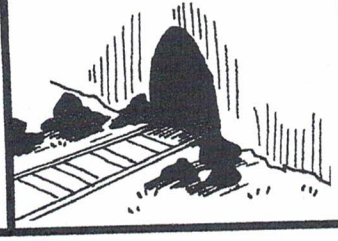
1	**camel**	came	(camel)	coastal	cancel
2	**animal**	abnormal	angel	animate	animal
3	**tunnel**	tassel	funnel	tunnel	travel
4	**chemical**	choral	chisel	chemical	chemistry
5	**parallel**	parachute	parallel	parcel	propel
6	**decimal**	dental	diesel	decimal	decide
7	**gravel**	grave	gravy	gospel	gravel
8	**vowel**	vowel	trowel	vessel	towel

Spell and Write

Circle the letters. Write the word.

1	c / oast / el — t / er / al		coastal
2	ear / tum / tel — au / rum / nal		_____
3	red / ic / al — med / or / el		_____
4	mack / tr / el — tack / er / al		_____
5	mu / dr / el — ho / sic / al		_____
6	per / lit / al — hos / pit / el		_____
7	dis / al / nal — par / or / lel		_____
8	trop / ic / el — trap / er / al		_____

Read and Choose

1	◯ Chase lived in a hotel full of tunnels.		✓ He slept in the botanical gardens.
2	◯ The colossal parcel turned out to be a kennel.		◯ The spaniel dragged a parcel into his kennel.
3	◯ If you travel take your flannel and towel.		◯ Primrose bought a floral towel at the festival.
4	◯ The global internet network has been invented.		◯ The TV signal was digital.
5	◯ A hazel weasel lived in the hotel basement.		◯ The zoological department housed many unusual animals.
6	◯ Amy wrote a sensational mathematical article.		◯ Can Angela draw a quadrilateral triangle?
7	◯ A geographical investigation unearthed jewels.		◯ Charcoal was discovered in the Channel Tunnel.

Circle the odd one out. Underline the same.

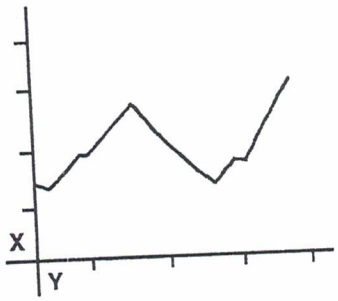
1	deal	diesel	weasel
2	propel	kennel	repel
3	squeal	cruel	deal
4	shovel	parcel	cancel
5	label	canal	table
6	cordial	capital	propel
7	Mandy	morsel	mussel
8	dual	fuel	approval
9	editorial	funnel	tunnel
10	trowel	gospel	vowel

Cloze Procedure

1 In Paris the Cup _____ was admired by billions.

2 The _____ swam at top speed.

3 Her actual age is her _____ age.

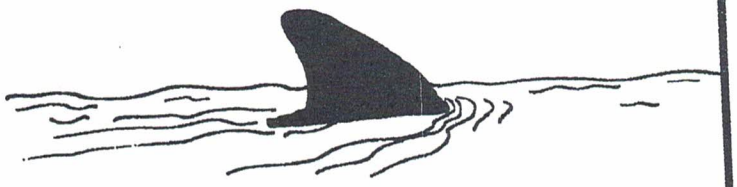


4 The graph had _____ and _____ axes.

5 _____ experts discussed the history of numerals.

6 The sailing _____ took the coastal route.

7 The _____ fin of the colossal shark sped across the bay.

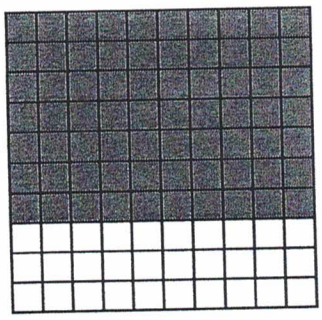


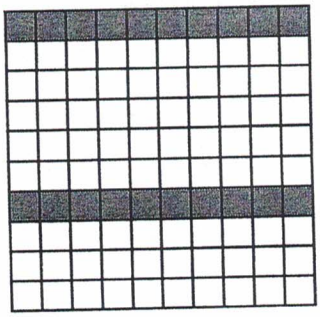
Use these words to complete the sentences.

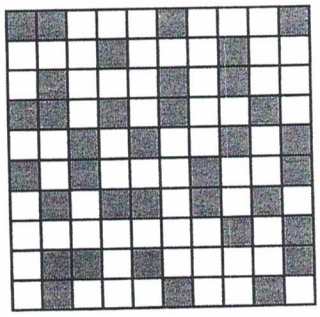
horizontal	Mathematical	dorsal	Final
vertical	chronological	vessel	mackerel

Fractional quantities

3 What percentage of these squares is shaded?







a) There is _____ shaded.

b) There is _____ shaded.

c) There is _____ shaded.

3 marks

4 Complete these number sentences.

a) $\frac{5}{100}$ = _____ %

b) 60% = $\frac{\quad}{100}$

c) $\frac{52}{100}$ = _____ %

d) 85% = $\frac{\quad}{100}$

e) $\frac{9}{10}$ = _____ %

f) 60% = $\frac{\quad}{10}$

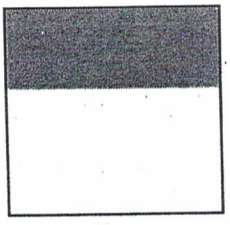
g) $\frac{80}{100}$ = _____ %

h) 6% = $\frac{\quad}{100}$

8 marks

5 Estimate the shaded area as a fraction and as a percentage.

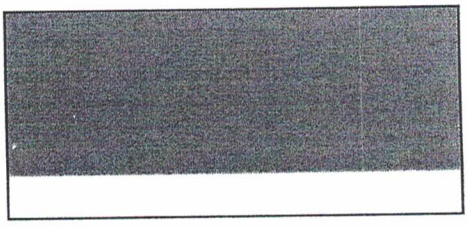
a)



Fraction shaded = _____

Percentage shaded = _____

b)



Fraction shaded = _____

Percentage shaded = _____

4 marks

I can _____

_____

Total marks

Name: _____ Date: _____

Addition and subtraction facts

1 Complete these number sentences as quickly as you can.

a) 750 + _____ = 1000 b) 1000 – 300 = _____

c) 56 + _____ = 100 d) 100 – 67 = _____

e) 1000 – _____ = 550 f) _____ + 650 = 1000

6 marks

2 Double these numbers.

a) 45 _____ b) 68 _____ c) 79 _____

d) 240 _____ e) 470 _____ f) 860 _____

6 marks

3 Halve these numbers.

a) 48 _____ b) 92 _____ c) 76 _____

d) 240 _____ e) 560 _____ f) 390 _____

6 marks

4 Write the fraction that needs to be added to make a total of 1.

a) $\frac{3}{4}$ + _____ = 1 b) $\frac{2}{5}$ + _____ = 1 c) _____ + $\frac{6}{11}$ = 1

d) $\frac{25}{32}$ + _____ = 1 e) $\frac{9}{15}$ + _____ = 1 f) _____ + $\frac{27}{100}$ = 1

6 marks

Addition and subtraction facts

5 Use each fact to write all the additions and subtractions you can.

a) 5673 + 847 = 6520

b) 8251 – 953 = 7298

4 marks

6 Complete these number sentences as quickly as you can.

a) 1600 + 200 = _____ **b)** 60 + 90 = _____

c) 1500 – 400 = _____ **d)** 140 – 80 = _____

4 marks

7 Complete the sentences.

a) If 35 + 46 = 81 then 3.5 + 4.6 = _____

b) If 68 + 29 = 97 then 6.8 + _____ = _____

1 mark

2 marks

8 Complete the table.

Half	Number	Double
	4600	
	3500	
	7800	

6 marks

I can _____

_____

Total marks

Name: _____ Date: _____

Multiplication and division facts

1 Multiply these numbers by 6.

a) 5 _____ **b)** 8 _____ **c)** 3 _____ **d)** 0 _____

4 marks

2 Multiply these numbers by 9.

a) 7 _____ **b)** 4 _____ **c)** 8 _____ **d)** 6 _____

4 marks

3 Divide these numbers by 8.

a) 64 _____ **b)** 24 _____ **c)** 56 _____ **d)** 72 _____

4 marks

4 Divide these numbers by 7.

a) 14 _____ **b)** 42 _____ **c)** 63 _____ **d)** 49 _____

4 marks

5 **a)** Write five multiples of 3.

b) Double all your answers to part **a)**.

c) All the numbers in part **b)** are multiples of _____.

4 marks

1 mark

Multiplication and division facts

6 Match each number on the left with its square.

5	100
7	25
10	4
2	49
8	36
6	64

3 marks

7

1 2 3 4 5 6 7 8 9 10 11 12 20

a) Put a blue ring around the numbers that are factors of 12.

b) Put a red ring around the numbers that are factors of 20.

c) List the common factors of 12 and 20. _____

4 marks

1 mark

8 Answer these as quickly as you can.

a) 8 x 6 = _____ **b)** 7 x 5 = _____

c) 72 ÷ 9 = _____ **d)** 6 sevens = _____

e) 36 divided by 4 = _____ **f)** 7 x 8 = _____

g) How many sixes in 36? **h)** 10 nines = _____

_____

i) The square of 9 = _____ **j)** 4 multiplied by 8 = _____

10 marks

I can _____

_____

Total marks

Name: _____ Date: _____

Addition and subtraction

1 Use a written method to calculate:

a) 294 + 482

b) 578 + 358

c) 659 + 847

d) 56.24 + 75.83

e) 65.83 + 58.77

f) 6.89 + 45.4

12 marks

2 Use a written method to calculate:

a) 623 – 458

b) 540 – 279

c) 600 – 263

d) 74.83 – 25.59

e) 60.04 – 41.85

f) 76.53 – 9.66

12 marks

Strand 4 Calculating Strand 3 Knowing and using maths facts

3 Complete the table. The first row has been done for you.

Sum	Answer using a calculator	Answer by approximation	Answers close together?
543.8 + 9463.65	10,007.45	500 + 9500 = 10,000	✓
674.56 – 89.634			
8459.5 + 654.96			
7543.65 – 765.8			
657.654 – 48.53			
1738.76 + 543.8			

10 marks

4 Use your calculator to find the missing numbers in these sums and then check your answer using approximation.

a) 675 + _____ = 849

An approximation is 700 + _____ = _____

b) 864.2 – _____ = 536.44

An approximation is _____ – _____ = _____

c) _____ – 745.34 = 520.5

An approximation is _____ – _____ = _____

6 marks

I can _____

_____

Total marks

Name: _____ Date: _____

Multiplication and division

1 Multiply each number by 10: 45, 947, 750, 200.

a) _____ b) _____ c) _____ d) _____

4 marks

2 Multiply each number by 100: 23, 608, 930, 2600.

a) _____ b) _____ c) _____ d) _____

4 marks

3 Divide each number by 10: 70, 140, 700, 4000.

a) _____ b) _____ c) _____ d) _____

4 marks

4 Divide each number by 100: 1200, 6700, 8000, 96,000.

a) _____ b) _____ c) _____ d) _____

4 marks

5 Use a written method to calculate:

a) 56 x 7

b) 48 x 6

c) 672 x 5

d) 72 ÷ 4

e) 675 ÷ 6

f) 529 ÷ 7

12 marks

Spring Test 6

Name: ..... Class: ..... Date: .....

1 $623 - 400 =$ ☐ ☐

2 $4 \times 1 =$ ☐ ☐

3
$$\begin{array}{r} 85 \\ -\ 27 \\ \hline \end{array}$$
☐

4 ☐ $= 17 \times 0$ ☐

5 $\frac{1}{3}$ of $30 =$ ☐ ☐

6 $7 \times 8 =$ ☐ ☐

7 $65 = 65 \div$ ☐ ☐

8 $\frac{6}{9} - \frac{1}{9} =$ ☐ ☐

9 ☐ $= 7 \times 8 \times 5$ ☐

10 $42 \div 7 =$ ☐ ☐

11 ☐ $= 270 \div 9$ ☐

12
$$\begin{array}{r} 38 \\ +\ 85 \\ \hline \end{array}$$
☐

13
$$\begin{array}{r} 34 \\ \times\ \ 6 \\ \hline \end{array}$$
☐

14
$$\begin{array}{r} 6342 \\ +\ 2798 \\ \hline \end{array}$$
☐

Spring Test 6 (continued)

15 $\square \div 6 = 23$ ☐

16 $\frac{3}{7} + \frac{5}{7} = \square$ ☐

17
$$\begin{array}{r} 8020 \\ -\ 1435 \\ \hline \end{array}$$
☐

18 $328 \div \square = 8$ ☐

19 $\square - 342 = 481$ ☐

20 $\square \div 4 = 132$ ☐

21 $\frac{3}{4}$ of $52 = \square$ ☐

22
$$\begin{array}{r} 700 \\ -\ 214 \\ \hline \end{array}$$
☐

Total marks	/22

How well did you do?

Colour the numbers of the questions you got correct.

± four-digit numbers	14	17						
x 0; x 1; ÷ 1	2	4	7					
6x, 7x, 9x and 11x tables	6	9	10	11	13			
Tables with multiples of 10	11							
Multiply three numbers	9							
Formal written short x	13	15	20					
Formal written short ÷	18							
Fractions of an amount	5	21						
± fractions	8	16						
Missing number statements	7	15	18	19	20			
+	12	14	16	19				
−	1	3	8	17	22			
×	2	4	6	9	13	15	20	21
÷	5	7	10	11	18	21		