YOUNG EDUCATION SERVICES
GREENWICH
Y6

Name: **Date:** Summer Term Pack 6

Prepared by: D. Bell-Duane

ENGLISH: ISEB Practice Exercises. Read the passage 'A Dragon's Diet' then answer the questions.

MATHS: ISEB paper 14.1.08

New Curriculum Arithmetic Practice Tests Y6: Summer Test 4

VERBAL/NON-VERBAL REASONING: At tutor's discretion, using 10-minute Test Book or CGP VR/NVR The 11+ Practice Book Ages 10 – 11– practice questions as appropriate (not test papers)

PLEASE NOTE – VR/NVR to be discussed and completed in session.

Books and materials to be returned:

Teacher's Signature:

This homework given in on:

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Exercise 1.4

Read the passage and answer the questions which follow, using proper sentences.

A Dragon's Diet
from Dragon Boy by Dick King-Smith (1993)

Knights are always difficult to digest, according to Montague the dragon.

The dragon opened his huge mouth, with its rows of long sharp teeth, and belched. It was not only a very loud belch, it was also visible, for it emerged in the shape of a blue flame.

'Montagu Bunsen-Burner!' cried his wife. 'Where are your manners?'

'I do beg your pardon, my dear,' replied her husband. 'It was that last knight I ate last night. Tinned food never agrees with me, it is so hard to digest.'

'Then I shall have to put you on a diet,' said Mrs Bunsen-Burner. 'Nothing but sheep or swine or oxen from now on. That should be no great hardship – a bullock of goodly size is better for you than a knight, any day.'

'I know,' said Montagu. 'It's not that I really like the taste of the fellows – so metallic, you know, sets my teeth on edge. It's just that they are such a confounded nuisance, forever challenging every dragon they meet, with their great long lances and their silly swords. One simply has to eat them to get a bit of peace and quiet. Yesterday's one was typical. I was having a snooze in the forest, minding my own business, harming neither man nor beast, when this damned fellow comes galloping up, shouting, "Have at thee, Fiendish Worm! Thy end is nigh!" and stuff like that. Then he points his lance at me and cries, "Prepare to die!" Same to you with knobs on, I thought, and I swallowed him down and had the horse for afters.'

Montagu belched again but more discreetly, placing one scaly paw over his mouth.

'I'll warrant you did not cook the horse properly,' said Mrs Bunsen-Burner. 'You know how delicate your stomach is. I'm not saying you can do much about a knight in full armour – you have to have them cold – but something the size of a charger ought to be properly barbecued. You have only yourself to blame.'

'Yes, dear,' said Montagu.

'Right then,' said Mrs Bunsen-Burner. 'No more knights until I say so. Is that understood?'

'Yes, dear,' said Montagu meekly.

During many years of wedlock he had learned, sometimes painfully, that it was best to give way to his wife, and it was seldom that he summoned up the courage to oppose her will, which was of iron. There was not a dragon in the length and breadth of Merrie England, he told himself, that would dare stand up to Albertina Bunsen-Burner.

There were ways of getting round her, however, and one, which Montagu found especially effective, was flattery.

To understand his use of it, you must realize that dragons' comments upon each other's appearance are the exact opposite of what we humans say. 'Beautiful', 'handsome', 'pretty', 'good-looking' – these are all words that any self-respecting dragon hopes never to be called, for they indicate the scorn, contempt or downright loathing of the speaker.

Ugliness of form and feature is what every dragon takes pride in, and a standard compliment would be one such as Montagu now paid Albertina. To give it added weight, he used his pet name for her.

'Hotlips,' he said in a sugary voice. The look in Albertina's blood-red eyes softened.

'Yes, Monty?' she said.

'Oh, Hotlips!' said Montagu. 'You are by far the most hideous dragon in the land!'

Albertina positively bridled. She would have fluttered her eyelashes if she had had any. 'Oh, Monty!' she said. 'You say the nicest things.'

'Yes,' said Montagu. 'I know. Now, about this diet …'

1. What caused Montagu to belch so loudly? (1)

2. (a) Why might a knight taste '*metallic*' (line 9)? (1)
   (b) Does Montagu like eating knights? Give evidence from the passage to support your answer. (1)

3. What do you think it means to have a will made of '*iron*' (line 28). (2)

4. Would Mrs Bunsen-Burner be pleased to be told she looked charming and radiant? Give reasons to explain your answer. (2)

5. With specific reference to the passage, show how Mrs Bunsen-Burner's attitude towards her husband changes. How does it change, and why? (3)

6. What have you learned about Mr Bunsen-Burner from the passage? Refer to evidence from the text in your answer. (3)

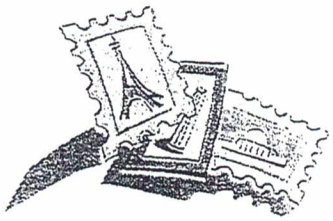
7. Dragons usually appear in traditional myths and legends. What makes Dick King-Smith's story so different from a traditional myth? Think about tone, atmosphere, language and humour in the passage. (3)

8. In the passage the author provides a refreshingly different view of dragons – not the usual images of ferocious beasts, feared by knights.
   How does the author help to change the way we view dragons?
   Use evidence from the passage to illustrate your comments. (4)

9. Continue this conversation between Mr and Mrs Bunsen-Burner in your own words. (5)

[Total marks: 25]

1. Pat collects stamps.
She has 144 British stamps and 68 foreign stamps.



(i) How many stamps does she have in total?

Answer: ..... (2)

(ii) How many more British stamps than foreign stamps does she have?

Answer: ..... (2)

(iii) Pat arranges her 144 British stamps in an album. Each page holds 6 stamps.
How many pages does she use?

Answer: ..... (2)

(iv) Her brother, Lee, has 3 times as many foreign stamps as she does.
How many foreign stamps does he have?

Answer: ..... (2)

4. Notby School won the final of the hockey tournament.

(i) A hockey pitch is 91.4 metres long.
Write this length in centimetres.

Answer: ..... cm (1)

(ii) There were 2096 spectators at their final match.
Write this number correct to the nearest hundred.

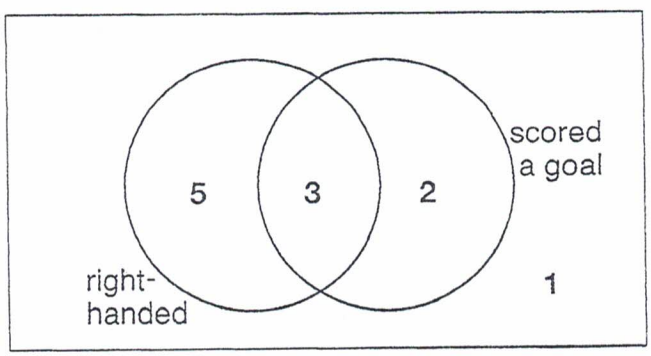
Answer: ..... (1)

(iii) The hockey trophy weighed half a kilogram.
How many grams is this?

Answer: ..... g (1)

Mr Gowl, the hockey coach, carried out a survey to see whether the children who scored goals were right-handed or left-handed.

Here are his results in a Venn diagram:



(iv) Use the Venn diagram to write down

(a) the number of right-handed children in the team

Answer: ..... (1)

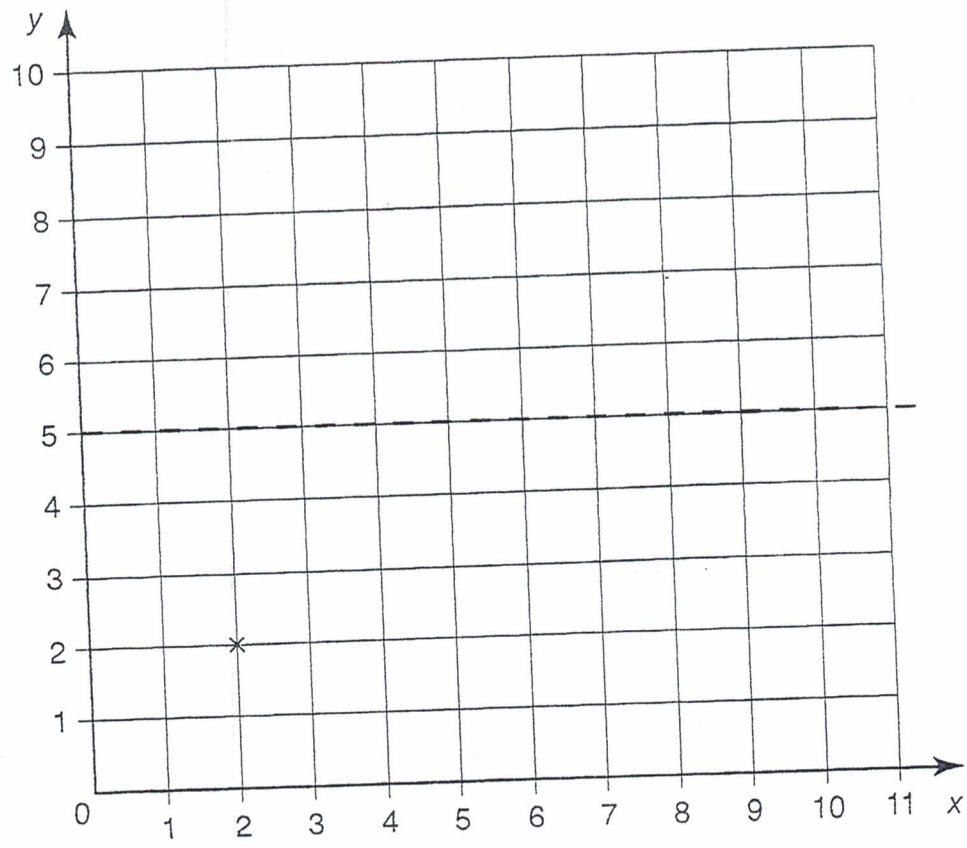
(b) the number of left-handed children who scored a goal

Answer: ..... (1)

5. (i) Plot the following points on the centimetre grid below:

(2, 2) (6,2) (4,4)

(The first one has already been done for you.) (2)



(ii) Join them in order to form a triangle. Label the triangle **A**. (1)

(iii) Which special type of triangle is **A**?

Answer: ..... triangle (1)

(iv) Draw any lines of symmetry on triangle **A** using a dashed line. (1)

(v) Translate triangle **A** 3 units to the right and 4 units up.
Label your triangle **B**. (2)

(vi) Reflect triangle **A** in the dashed line on the grid.
Label the image **C**. (2)

(vii) What is the order of rotational symmetry of triangle **A**?

Answer: ..... (1)

(viii) Find the area of triangle **A**.

Answer: ..... cm^2 (1)

6. Five teams took part in the relay race at sports day.
Here are their results:

team name	time taken to finish, in seconds	position
Active Eight	51.2	.....
Cheetahs	48.34	1st
Speedy Sports	51.08	.....
Twisters	59.9	5th
X-treme	50.8	.....

(i) Complete the table to show their positions. (2)

(ii) How much faster was the team which came first than the team which came fifth?

Answer: ..... s (2)

The team Cheetahs broke the school record by 1.9 seconds.

(iii) What was the previous school record?

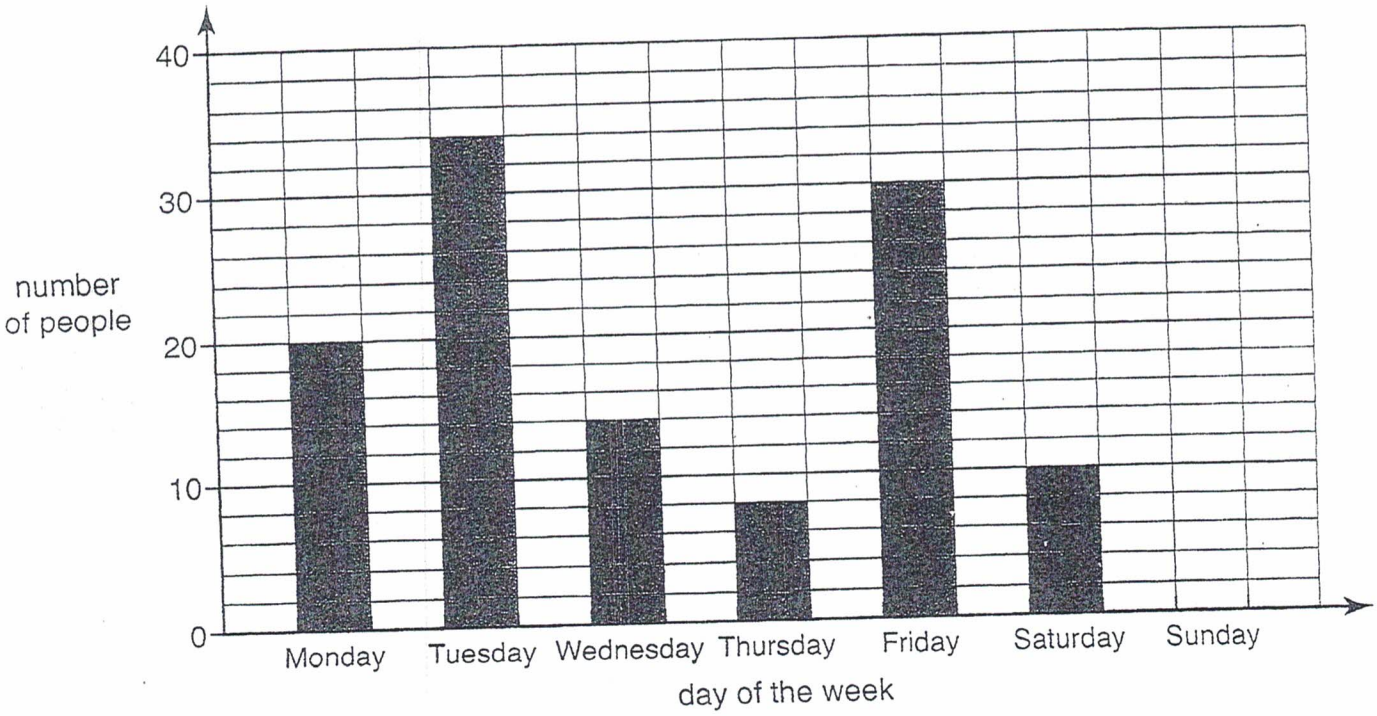
Answer: ..... s (2)

Active Eight had 4 runners in their team.

(iv) Find the mean time for each runner in this team by dividing their total time by 4

Answer: ..... s (2)

7. Robert asked all the children in his school on which day of the week they were born.
Here is a bar chart showing his results:



(i) How many people does each small rectangle represent?

Answer: ..... (1)

There were 22 people born on Sunday.

(ii) Draw a bar on the chart to represent this. (1)

(iii) Use the bar chart to complete the frequency table below.

day of the week	number of people
Monday	
Tuesday	
Wednesday	14
Thursday	
Friday	
Saturday	10
Sunday	22

(2)

(iv) Which day is the mode?

Answer: ..... (1)

8. Katherine has ten coins in a bag.

She has one 50-pence coin, two 20-pence coins, one 5-pence coin and the rest are 2-pence coins.

(i) What is the total value of all the coins in her bag?

Answer: £ ..... (3)

(ii) What percentage of the coins are 20-pence coins?

Answer: ..... % (1)

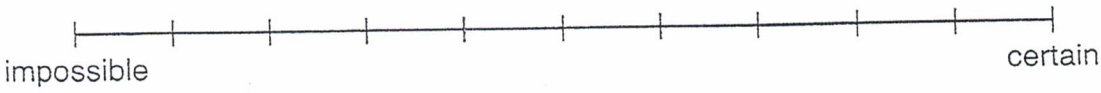
(iii) One coin is picked at random from the purse.

On the scale below, mark

(a) with **A** the probability that the coin is a 20-pence coin (1)

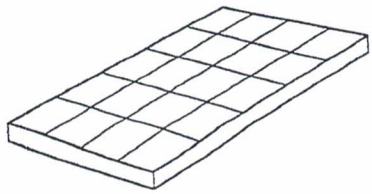
(b) with **B** the probability that the coin is not a 20-pence coin (1)

(c) with **C** the probability that the coin is worth less than £1 (1)



9. Here are the ingredients needed to make a tray of 20 flapjacks:

200 grams of margarine
250 grams of oats
200 grams of sugar
100 grams of flour
3 tablespoons of syrup



(i) Write out the ingredients you would need to make 10 flapjacks.

..... grams of margarine

..... grams of oats

..... grams of sugar

..... grams of flour

..... tablespoons of syrup (3)

Kelly needs to make 50 flapjacks for a party.

(ii) How much flour does she need?

Answer: ..... grams (2)

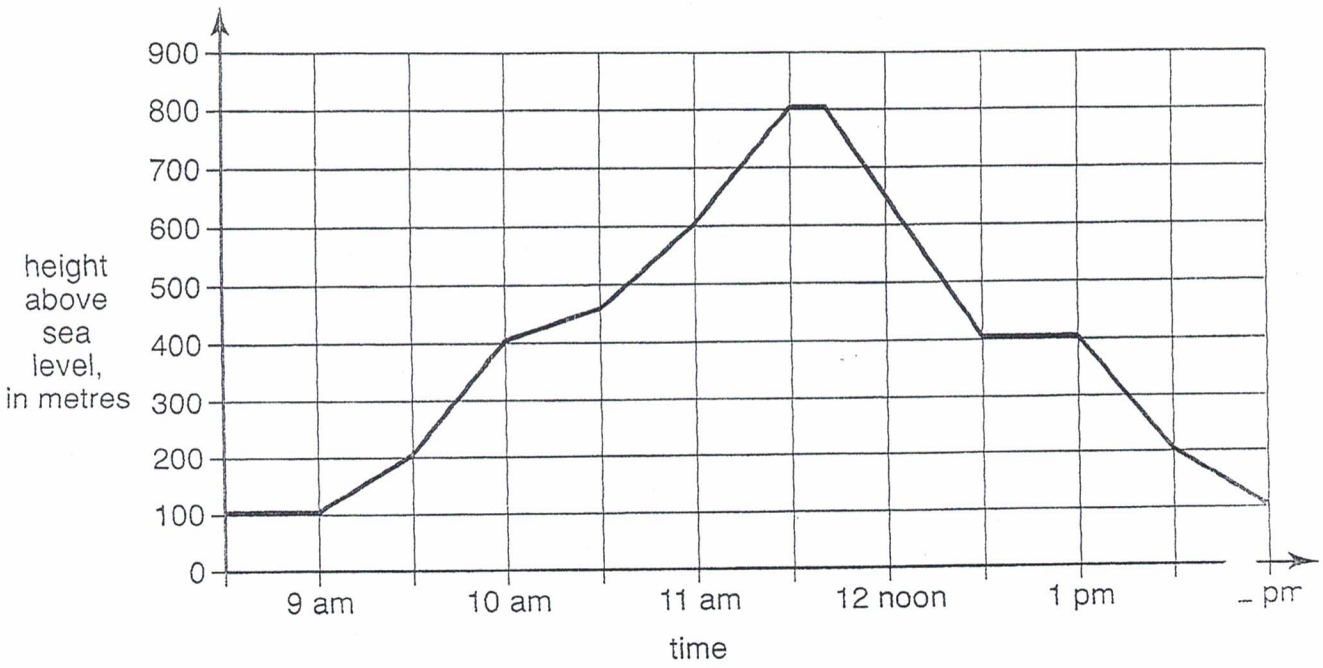
To make healthier flapjacks, you can use $\frac{3}{4}$ of the recommended amount of sugar.

(iii) How much sugar would you use to make 20 of these healthier flapjacks?

Answer: ..... grams (2)

10. Alan climbs to the top of a mountain one day during his holiday.

Below is a graph showing his height above sea level at different times during the day.



(i) How many metres above sea level is he at 11 am?

Answer: ..... m (1)

(ii) At what time does he first reach 200 metres above sea level?

Answer: ..... (1)

(iii) How many metres above sea level is the top of the mountain?

Answer: ..... m (1

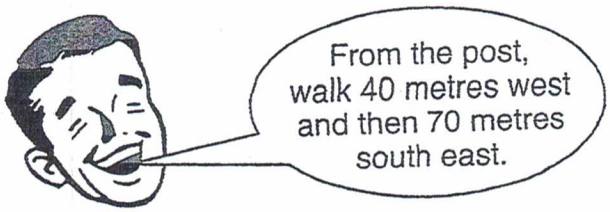
(iv) (a) Between which times does he stop on the way down?

Answer: ..... and ..... (2

(b) Give a sensible suggestion for why he might have stopped at this time.

Answer: ..... (

11. Adam's father has hidden Adam's birthday present in a field near their house.
He has given him these instructions to help him find it.



Adam has decided to draw an accurate map to help.

(i) Using a scale of 1 millimetre to represent 1 metre, draw accurately the route which Adam's father has described.

You will need to use a protractor.

(3)

(ii) Adam realises that it will be shorter to walk in a straight line to find his present.

(a) Draw this route on your diagram. (1)

(b) Write down the length of this route in centimetres.

Answer: ..... cm (1)

(c) How far does this represent in the field?

Answer: ..... m (1)

Summer Test 4

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

1	$27 \times 0 =$ ☐	☐
2	☐ $- 0.7 = 0.3$	☐
3	$12^2 =$ ☐	☐
4	☐ $\div 10 = 6200$	☐
5	$48 \div$ ☐ $= 4$	☐
6	$\frac{1}{2} - \frac{3}{10} =$ ☐	☐
7	$17 + 7 = 4 \times$ ☐	☐
8	$(14 - 4) \div (7 - 2) =$ ☐	☐
9	$34.2983 \times 100 =$ ☐	☐
10	$\frac{1}{3} \times \frac{1}{6} =$ ☐	☐
11	☐ $= \frac{5}{2} - \frac{7}{12}$	☐
12	$\frac{9}{10}$ of $80 =$ ☐	☐
13	$1\frac{4}{7} + 2\frac{4}{7} =$ ☐	☐
14	$93.4 + 26 - 4.85 =$ ☐	☐
15	☐ $= 732\,183 - 4468$	☐
16	$6 + 3^2 \div (7 + 2) =$ ☐	☐

Summer Test 4 (continued)

17 $3\frac{3}{10} - 1\frac{7}{10} =$ ☐ ☐

18 $4 \overline{)837}$ ☐

19 $\frac{1}{3} + \frac{1}{5} =$ ☐ ☐

20 $0.02 \times 4 =$ ☐ ☐

21 40% of 250 = ☐ ☐

22 ☐ $= 4000 - 2472$ ☐

23 $0.1 \times 6 =$ ☐ ☐

24 $1496 = 8 \times$ ☐ ☐

25 $9876 \div$ ☐ $= 6$ ☐

26 $34 \overline{)9656}$ (2 marks) ☐

27
$$\begin{array}{r} 9346 \\ \times \quad 47 \\ \hline \end{array}$$
(2 marks) ☐

28 $0.07 \times 2 =$ ☐

Total marks /30

How well did you do?

Colour the numbers of the questions you got correct.

÷ with correct place value	14	15										
– with zeros	22											
÷ or x by 10, 100 or 1000	4	9										
Long x and long ÷	26	27										
÷ with decimal remainders	18											
Fractions	6	10	11	12	13	17	19					
Percentages of amounts	21											
Missing numbers	2	4	5	7	24	25						
Brackets and BIDMAS	8	14	16									
+	2	7	13	14	16	19						
–	6	8	11	14	15	17	22					
x	1	3	4	9	10	12	16	20	21	23	27	28
÷	5	7	8	12	16	18	21	24	25	26		