

PRIMARY SCHOOL ANNUAL EXAMINATIONS 2005

Educational Assessment Unit – Education Division

YEAR 6

MATHEMATICS

TIME: 1 h 30 min

Name: _____

Class: _____

1. 635

$+ 154$

2. 278

$+ 524$

3. 994

$- 386$

4. 139

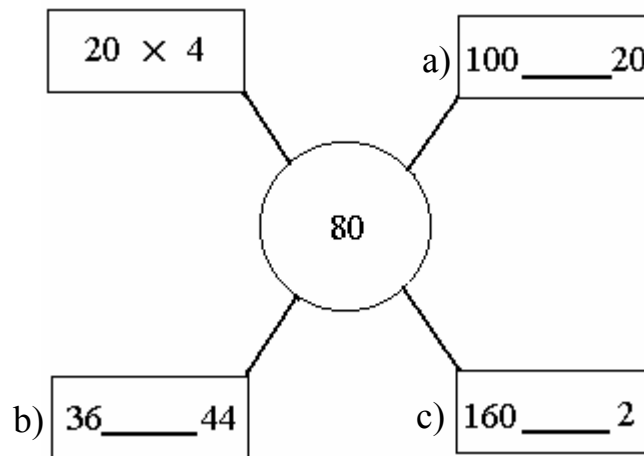
$\times 7$

5.

$6 \overline{) 38 \cdot 94}$

6. Look at the diagram.

Fill in each space with +, — or \div to get **80** as an answer.




7. Choose the **most suitable weight** for each item.

50g, 500g, 1kg, 5kg, ~~20kg~~

a)  a **vegetable crate full of potatoes** weighs about 20kg.

b) a **small packet of crisps** weighs about _____.



c)  **6 bananas** weigh about _____.

d) a **packet of cornflakes** weighs about _____.



e)  a **large water melon** weighs about _____.

8. a) Fill in the **missing numbers** in the sequence:

b) I am a **square** number,
I am **between 50 and 99**.
The **difference** between my digits is 7.
What number am I? **I am number**

9. a) I am **odd**,
I am **less than 100**,
3, 7, 9 and **21** are some of my **factors**.
I am made up of **two digits** which **add up to 9**.
What number am I? **I am number**

9. b) Underline the **prime** numbers:

9 16 29 33 43 49

c) I am a **prime number**,
I am **less than 20**.
My digits **add up to 10**.
What number am I?

I am number

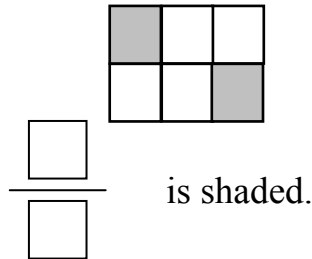
10. Write this **fraction** in its **lowest terms**.

a) $\frac{56}{84} = \frac{28}{42} = \frac{\square}{\square} = \frac{\square}{\square}$

b) Complete.

i) $\frac{5}{6} - \frac{1}{2} = \frac{\square}{\square}$

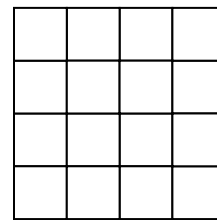
ii) What fraction is shaded?



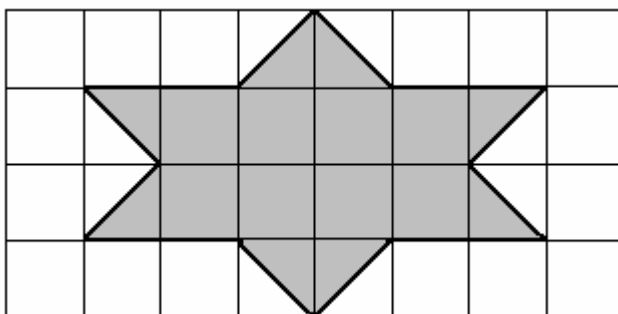
c) Continue the sequence.

i) $\frac{1}{2}, \frac{1}{4}, \frac{1}{8}, \frac{\square}{\square}, \frac{1}{32}$

ii) **Shade** one eighth of this shape.

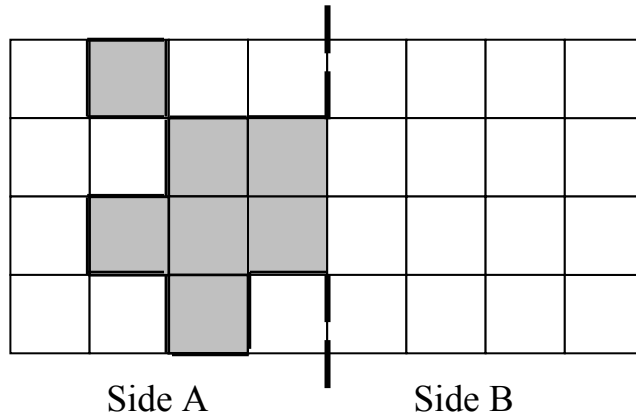


11. a) Look at this shape.



a) The area of the **shaded shape** is _____ **cm²**.

11. b) Look at this shape. The dotted line is a line of symmetry.



i) **Shade** squares on **side B** to make a **symmetrical shape**.

ii) The **perimeter** of the **shaded symmetrical shape** is _____ **cm**.

12. Fill in



<p>8 cups hold 1•440 l of tea.</p>	<p>a) 1 cup holds _____ ml of tea.</p>	<p>b) 4 cups hold _____ ml of tea.</p>
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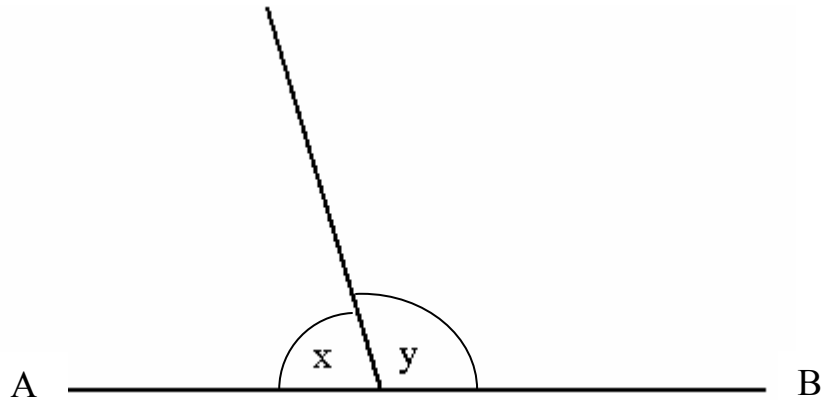


This pot holds **1•750 l** of coffee when full.

The **small cup** holds **35 ml**.

c) _____ **small cups** can be filled
from the **pot**.

13. Look at line **AB**. It is a straight line.

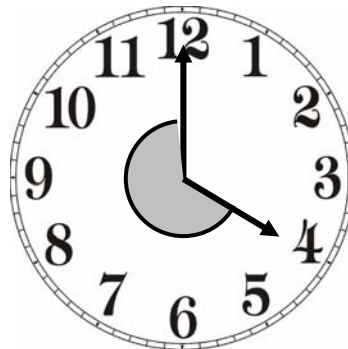


a) On line **AB**, angle **x** is **80°** and angle **y** is _____°.

Look at these clocks.



Clock A

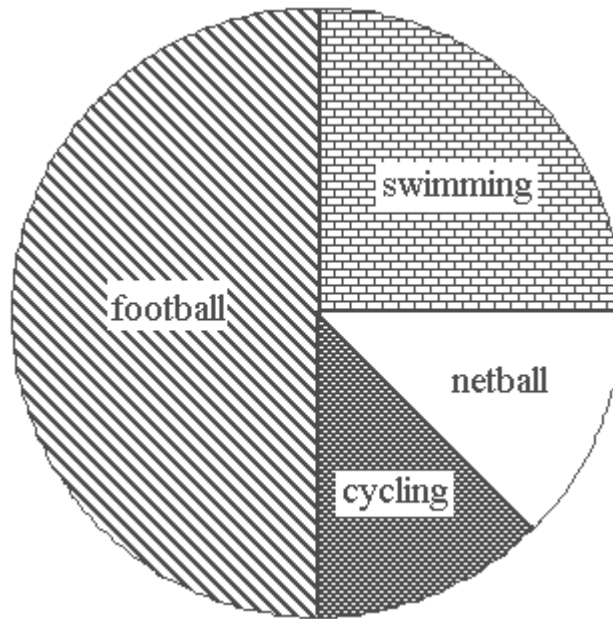


Clock B

b) The **shaded angle** on clock A is _____ **right angles**.

c) The **shaded angle** on clock B is _____ **right angles**.

14. This chart shows the **favourite sports** of a group of children.



Fill in :

a) _____% of **all** the children like **football** best.

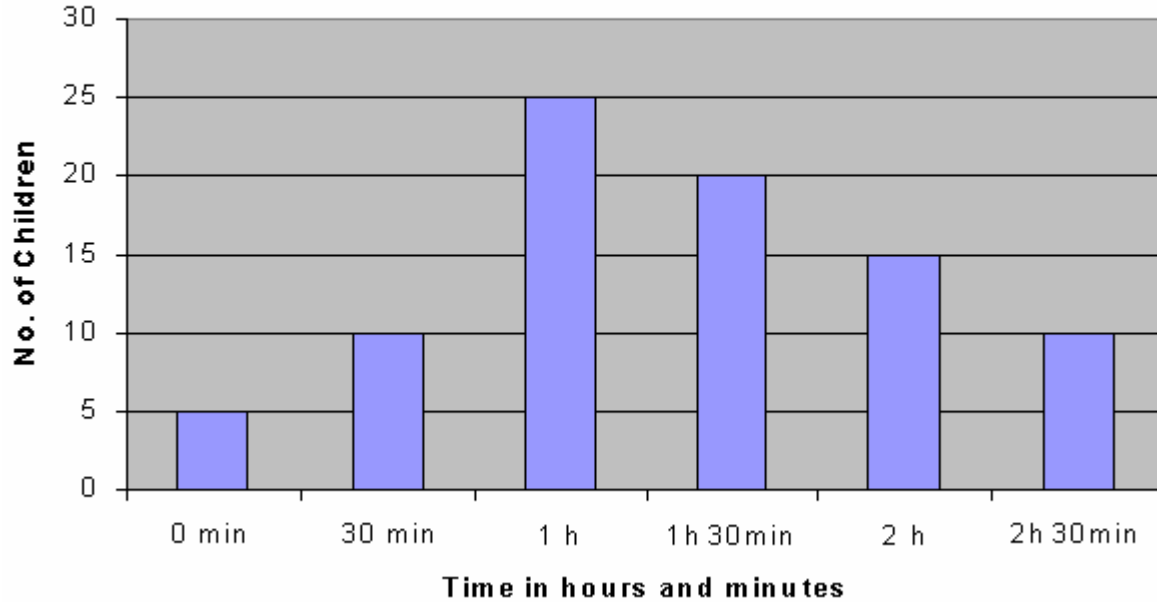
b) 0. _____ of the children like **swimming** best.

c) **Netball** is preferred by $\frac{\square}{\square}$ of the **whole group** of children.

d) The children who like **football and swimming** make
_____ % of the **whole group** of children.

15. The graph shows the **reading time** per day of all children in year 6.

Reading Time for Children in Year 6

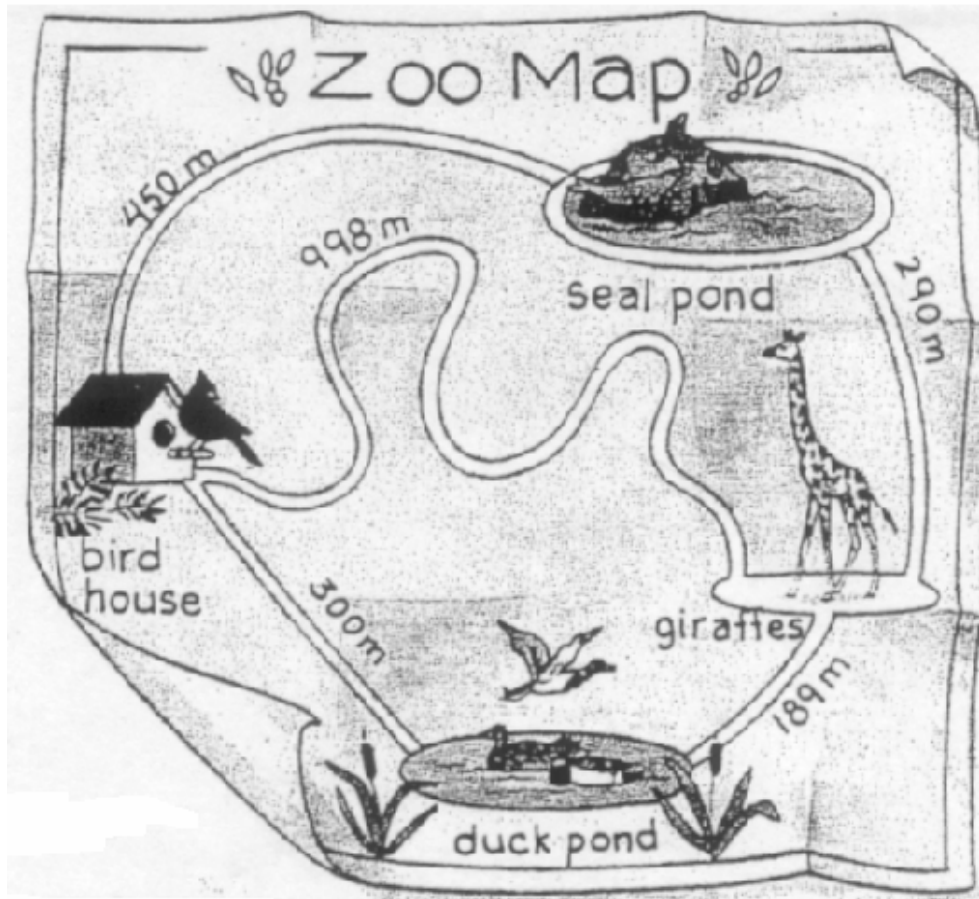


Use the **graph** to say if each statement is **true** or **false**.

Put a **✓** under the **correct column**.

	True	False
a) All children read everyday.		
b) 25 children read for 1 hour 30 minutes .		
c) More children read for 1 hour than for 2 hours .		
d) 30 children read for $2\frac{1}{2}$ hours everyday.		
e) 45 children read for more than 1 hour everyday.		

16. Look carefully at this map of a Zoo.



David walks from the **duck pond** to the **birdhouse** and then to the **seal pond**.

a) **David** walks $\frac{\square}{\square}$ km altogether.

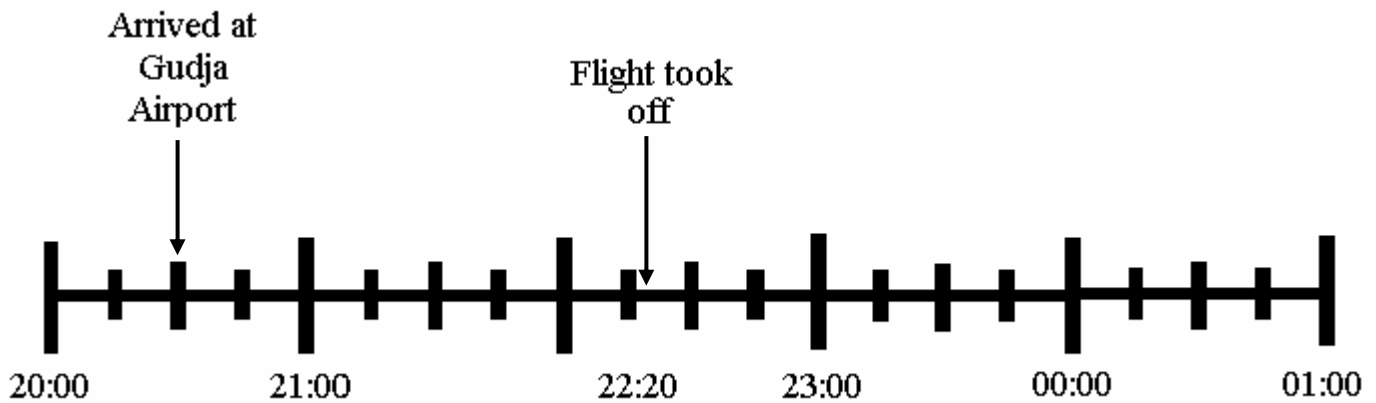
Maria finds a **shorter** way from the **duck pond** to the **seal pond**.

b) **She** walks a **total** of _____ m.

c) **Maria** walks _____ m less than **David**.

17. **Mark** went to Madrid on holiday.

The time line shows how **Mark** started his holiday.



Look at the time line and fill in:

Mark was at **Gudja Airport** at **20:30**. His flight **took off** at **22:20**.

a) He waited for _____ **h** _____ **min** before take off.

b) His flight to **Madrid** took **2 h 10 min**.

Draw **an arrow** to show the time when **Mark arrived** at **Madrid Airport**.

c) From the time **Mark arrived** at **Gudja Airport** to the time he **arrived** at **Madrid Airport**, _____ **hours** passed.

18. This is a game for **3 players: Karl, Ruth and David.**

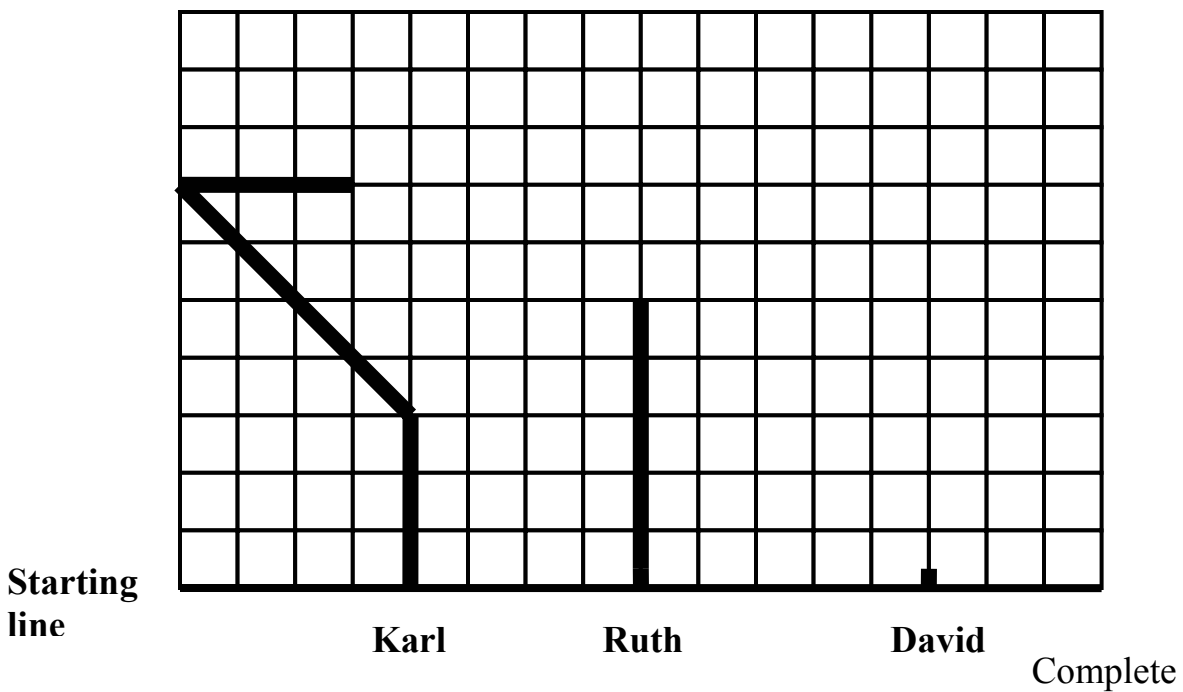
They throw **two dice each.** One dice shows **numbers 1-6.**

The other dice shows **directions.**

- Karl's** throws are :
- a) 3 North
 - b) 4 Northwest
 - c) 3 East



Karl's throws are done for you on the chart.



by drawing lines on the chart to show:

- a) **Ruth's** throws: i) 5 North (done for you).
 ii) 3 East
 iii) 4 Northwest
- b) **David's** throws: i) 2 Northeast
 ii) 2 Northwest
 iii) 6 North

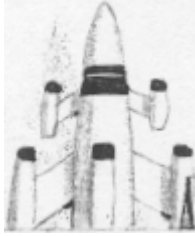
Fill in with a direction.

c) **David's starting point** is to the _____ of his **finishing point.**

19. Alex and Martha go to the toyshop.

They see the prices of some toys.

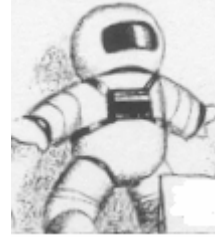
Rocket
Lm 2·75



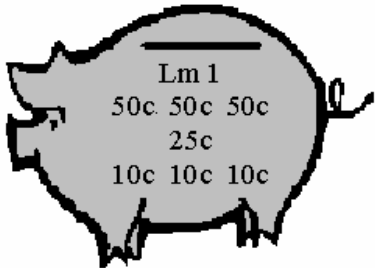
Moonbuggy
Lm 4·50



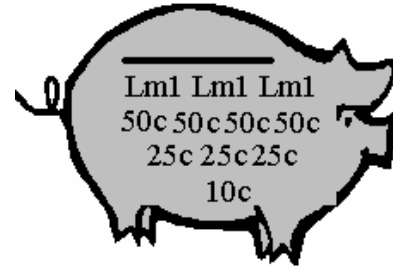
Globe
Lm 4·05



Spaceman
Lm 3·10



Alex has these coins in his money box



Martha has these coins in her money box

Alex can buy **one** of the toys with the money he has.

a) i) He **can buy** the _____.

Alex wants to buy **the globe**.

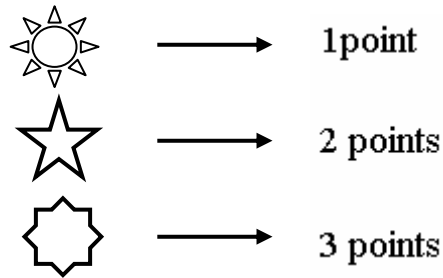
ii) He needs **another coin** of _____.

b) **Martha** has **just enough** money to buy **two** of the toys.

She **can buy**: i) _____ **and**

ii) _____.

20. Some children were given different stars.
Look at the following stars and their points.

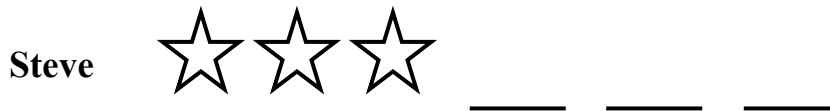


Daniel needs **1 more star** to have the **same number** of points as **Rachel**.

a) Draw a circle round the star he needs.



Look at **Steve's** stars.



Steve was given **6 stars in all** with a total of **13 points**.

b) He needs _____ **more points** to make up the **13 points**.

c) **Shade** the stars he needs.



End of Paper

Mark Scheme:	Nos 1-6	(6X 3 marks each)	18 marks
	Nos 7-8	(2 X4 marks each)	8 marks
	Nos 9-19	(11X6 marks each)	66 marks
	No 20	(1X 8 marks)	8 marks
	Total		100 marks