



ST NICHOLAS COLLEGE
HALF YEARLY PRIMARY EXAMINATIONS
February 2018

YEAR 6

MATHEMATICS WRITTEN PAPER

TIME: 1 h 15 min

Name: _____

Class: _____

Total Mark

80

1. Work out.

a) $663 + 148 =$ <input type="text"/>	b) $985 - 626 =$ <input type="text"/>
c) $3.16 \times \underline{\hspace{2cm}} = 316$ <input type="text"/>	d) $904 \div 8 =$ <input type="text"/>

(4 marks)

2. Each letter represents a number. Find the value of each letter.



$a =$ _____

$b =$ _____

$c =$ _____

$d =$ _____

(4 marks)

3. Choose the best measurement for these objects.

1700 g

17 kg

17 mm

1.7 km

a) The length of a paperclip _____

b) The weight of a 3 year old boy _____

c) The weight of 10 apples _____

d) Distance from Valletta to Hamrun _____

(4 marks)

4. Use all these digits in each question to write:

3

8

7

2

a) The largest 4-digit number: _____

b) The smallest 4-digit number: _____

c) When rounded to the nearest 100, this number is 7300: _____

d) The closest possible number to 3800: _____ (4 marks)

5. Alfred goes on holiday.

His empty luggage weighs 1450 g.

He has 6.8 kg of clothes, 2094 g shoes and 1 kg 28g toiletries.

a) What is the total mass (weight) of the luggage now?

Give your answer in kilograms.

 kg

b) At the airport, the maximum weight allowed for a luggage is 15 kg.

How much more can Alfred pack in his luggage?

 kg

c) Alfred buys a new jacket while on holiday.

The luggage now weighs 11.991 kg.

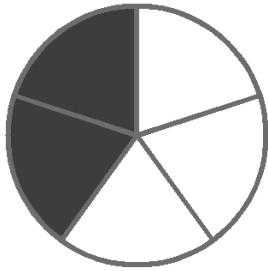
What is the weight of the jacket?

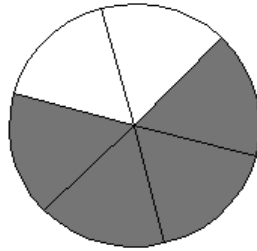
Give your answer in grams.

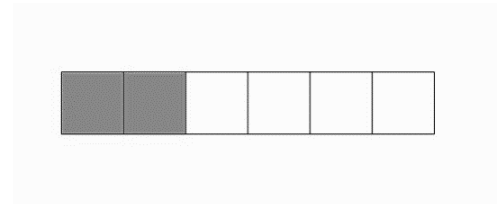
 g

(5 marks)

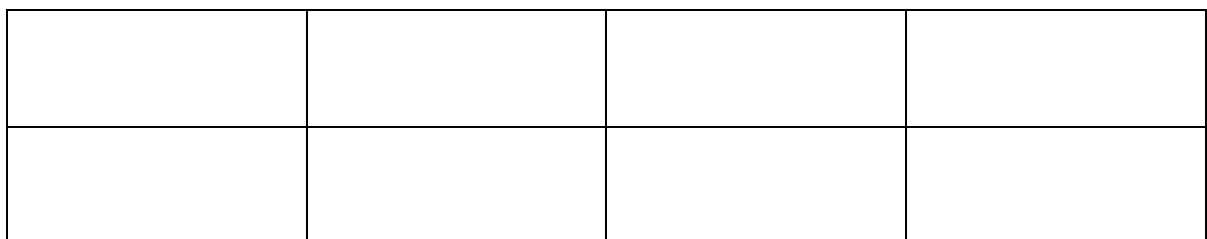
6a. Write the fraction of the shaded parts of each shape.
Give your answer in the simplest form.







6b. Shade $\frac{3}{24}$ of this shape.



(5 marks)

7. Tom receives €1.75 as pocket money every week.

He is saving up to buy a video game costing €28.

a) How many weeks does Tom need to save for the game?

weeks

b) At the shop, Tom sees a packet of 3 other games.

Together, the games cost €40.50.

How much does each game cost?

€ _____ . _____

(5 marks)

8. Fill in the missing numbers.

Round:		
7325.45	to the nearest whole number	
	to the nearest 1000	
	to the nearest 100	
	to the nearest 10	
	to the nearest tenth	

(5 marks)

9. In a primary school, 490 students are asked to vote for their favourite colour. These are the results:

95 students	Red
$\frac{2}{5}$ of the students	Blue
50 less than Blue	Yellow
?	Green

a) How many vote for Blue?

students

b) How many vote for Green?

students

c) Each vote costs 22c to print.
Work out the total cost of the printing.

(5 marks)

10. A group of friends organise a party.
 They invite 47 adults and 26 children.
 From the list below work out:

ITEMS	ADULTS	CHILDREN
Cheese cakes	€0.23	€0.15
Pizza	145c	120c
Sushi	€2.50	€2.50
Kebabs	double the Children's price	€1.20
Drinks	€2.75	€1.45
Sweets and Cakes	€5.55	€3.20

a) The total cost for 1 adult.

€ _____.

b) The total cost for ALL the children.

€ _____.

(5 marks)

11. Jim drinks water from 1 litre **bottles** during the day.

He drinks $\frac{1}{4}$ of a litre in the morning, $\frac{1}{2}$ a litre in the afternoon and $\frac{3}{4}$ of a litre in the evening.

a) How many litres does he drink in a day?

litres

b) Jim needs to drink more water during the day.

He has to drink $\frac{1}{8}$ of a bottle every half hour.

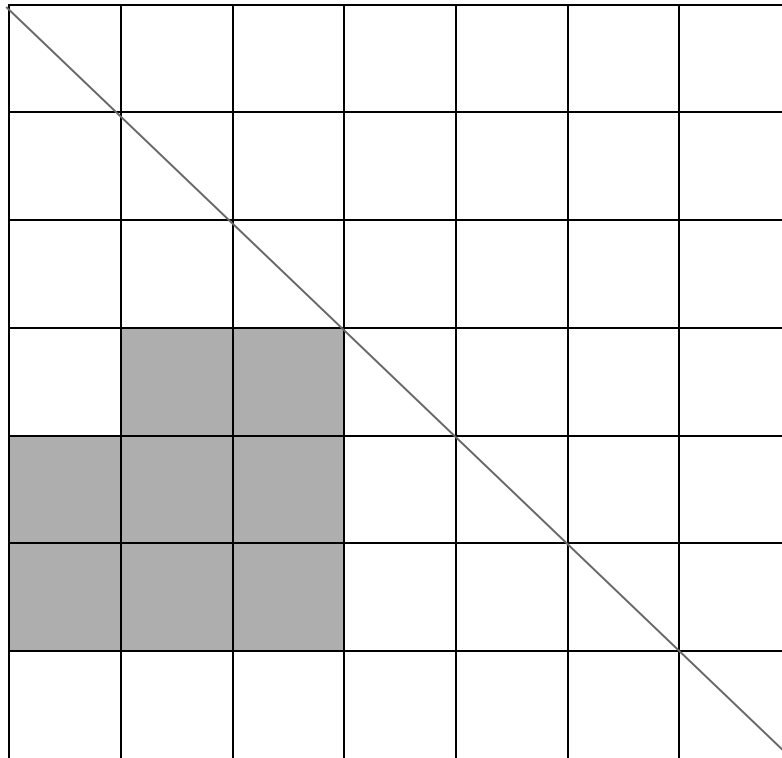
Jim is awake for 14 hours.

How many bottles does he drink in 14 hours?

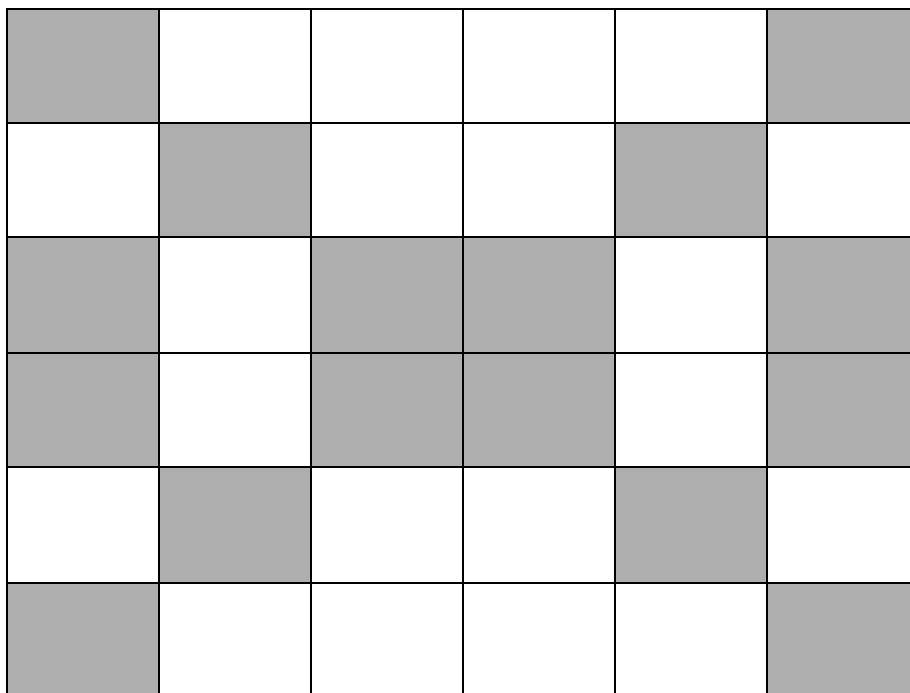
bottles

(5 marks)

12a) Below is a diagram of a shape and the mirror line.
 Draw the reflection of this shape.



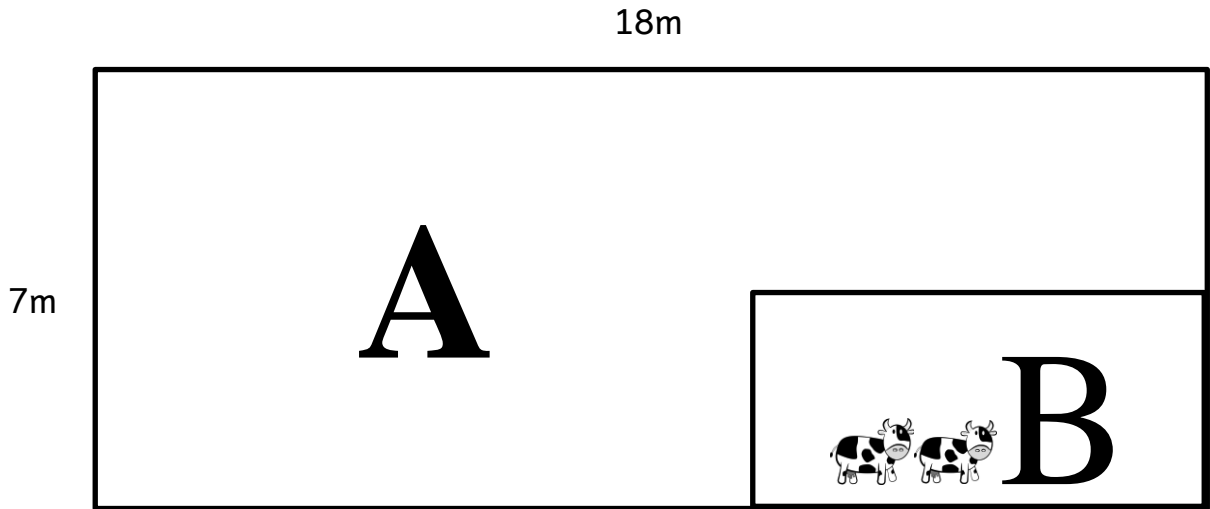
b) Draw the mirror lines of this shape.



(5 marks)

13. Below is the diagram of a farm.

The farmer enclosed area B with a fence for his cows.



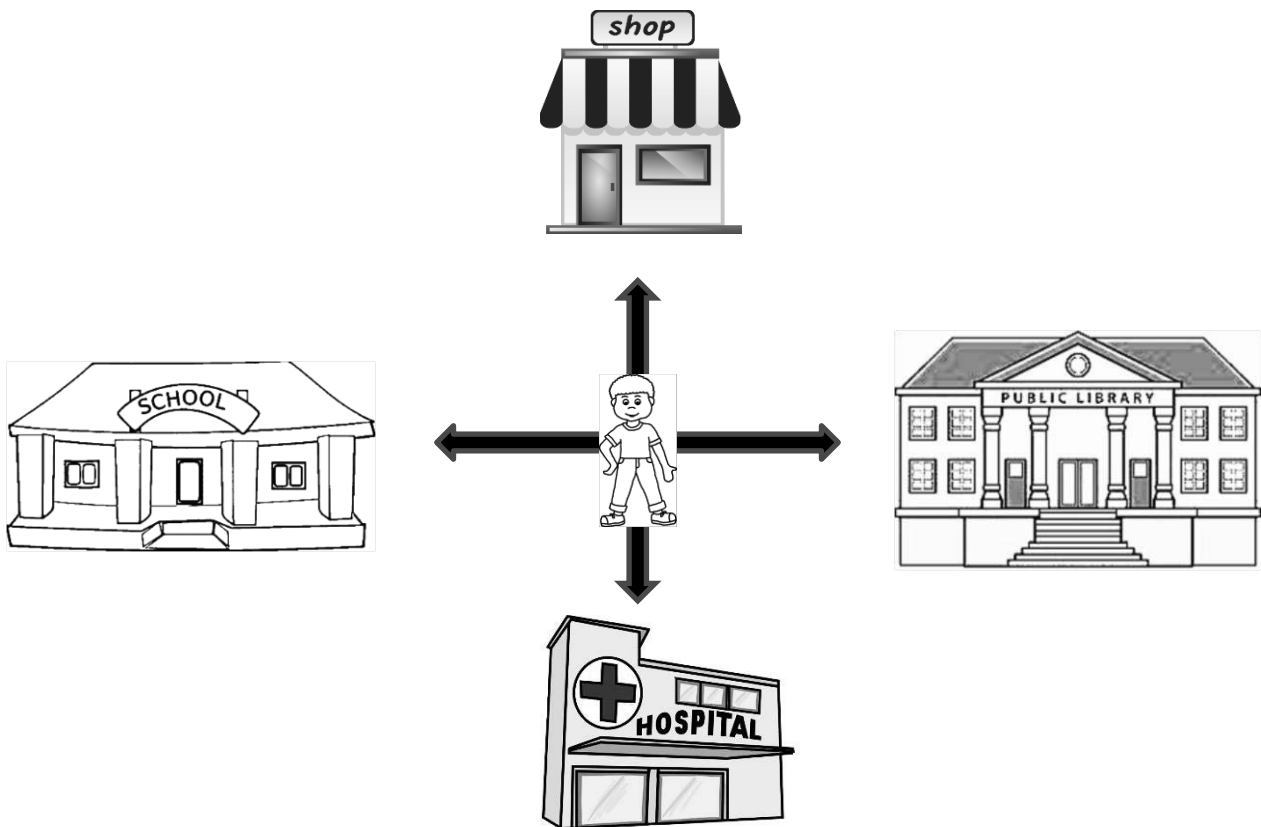
a) What is the area of the whole farm?

b) The fence around B is 7m long and 4m wide. What is the area of A?

c) The farmer wants to cover area B with turf. Each day he covers an area 1.75m by 2m. How many days will it take him to cover all of area B?

(6 marks)

14. Look at the diagram below.



- a) Louis is facing the hospital.
He turns clockwise to look at the library.
How many right angles does he turn?

- b) Louis is facing the library.
He turns 225° clockwise.
Mark with a cross (X) the direction he is facing now.

- c) Louis is now facing the shop.
His house is between the hospital and the library.
How many degrees must Louis turn anti-clockwise to face his house?

(6 marks)

15. Below is a calendar showing the month of May.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
MAY 2018						
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

a) The date is 1st of May.

Tom has a School Project due in 40 days.

What will the day be?

b) The time is 1.00pm.

If today is the 1st of May, what will the day and time be 100 hours from now?

Space for working:

Day:

Time:

(6 marks)

16) Use the clues to fill in the coins with the correct amounts.

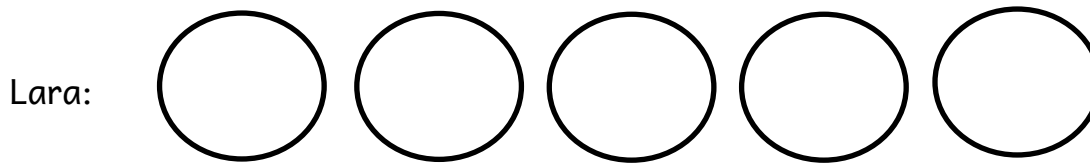
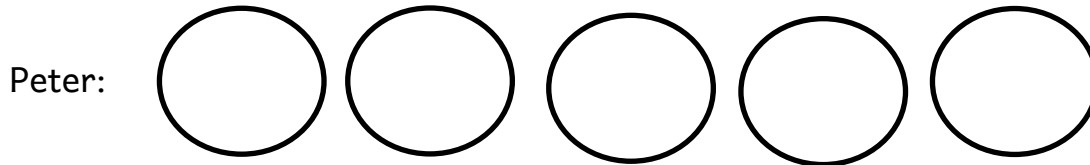
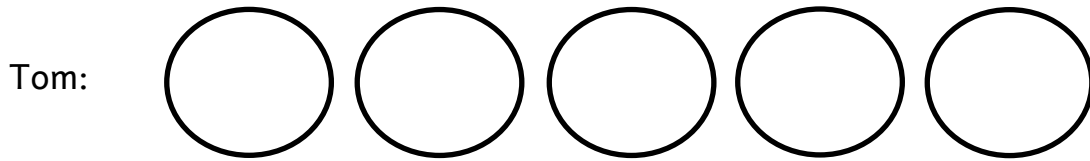
Tom, Peter and Lara have 5 coins each.

No one has 1c, 2c or 5c coins.

The total amount of all their coins is €15.

Lara's coins are all the same.

Tom has between €4.20 and €4.50. His amount is 60c less than Lara's.



Space for working:

END OF PAPER

(6 marks)

Marking Scheme

Nos. 1 - 4 4×4 marks = 16 marks

5 - 12 8×5 marks = 40 marks

13 - 16 4×6 marks = 24 marks

TOTAL = 80 marks