

KULLEGG SAN BENEDITTU Secondary School, Kirkop

Mark

HALF YEARLY EXAMINATION – 2016/2017

CCP

FORM 5

MATHEMATICS

TIME: 15 mins

Non Calculator Paper

Question	1	2	3	4	5	6	Total
Max. Mark	4	3	4	5	4	5	25
Mark							

DO NOT WRITE ABOVE THIS LINE

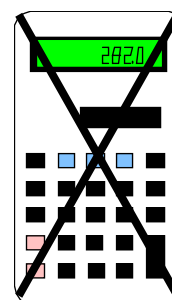
Name: _____

Class: _____

INSTRUCTIONS TO CANDIDATES:

Read all the questions carefully before you start answering.

- Answer all questions.
- This paper carries 25 marks.
- **Calculators, protractors** and other mathematical instruments are **NOT ALLOWED**.



1. Work out :

(a)

$$\begin{array}{rcccccc} & 4 & 3 & 9 & 5 & 2 & \\ + & 2 & 1 & 6 & 7 & 9 & \\ \hline & & & & & & \\ \hline \end{array}$$

(b)

$$\begin{array}{rcccccc} & 7 & 0 & 9 & 5 & \\ - & 5 & 8 & 4 & 7 & \\ \hline & & & & & \\ \hline \end{array}$$

(4 marks)

2. Complete:

a) 1 kg = _____ g

b) 2 metres = _____ cm

(3 marks)

3. Match. *One of them is done for you.*

8:00 p.m.

07:45 a.m.

Three o'clock

11:00 p.m.

Half past four

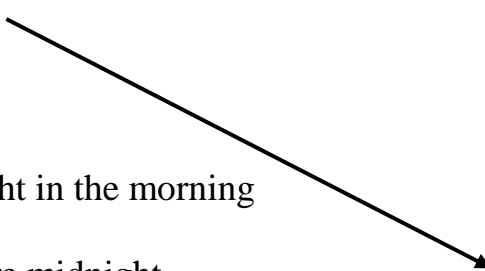
20:00

Quarter to eight in the morning

04:30

An hour before midnight

03:00



(4 marks)

4. Look at this bill:

C & R stationery	
Pencil	€0.50
Copybook	€1.20
Pack of Folders	€3.20
Calculator	€11.50
Rubber	€0.43
Stickers	€1.15

a) Which is the **cheapest** item?

Ans: _____

b) Work out the **total** for this bill.

Ans: €_____

c) What is the **change** from a €20 note?

Ans: €_____

(5 marks)

5. Match. *One of them is done for you.*

$$58 \times 1000$$

$$580$$

$$58 \times 100$$

$$58$$

$$5800 \div 10$$

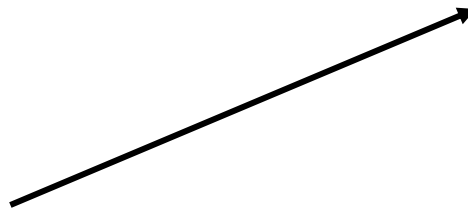
$$58000$$

$$58000 \div 1000$$

$$580000$$

$$58000 \times 10$$

$$5800$$



(4 marks)

6. Work out:

a) $\frac{1}{2} + \frac{2}{5} - \frac{1}{10} =$

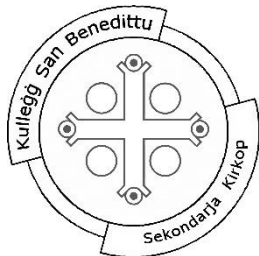
Ans: _____

b) $\frac{2}{3}$ of 1200 g =

Ans: _____

(5 marks)

END OF PAPER



KULLEGG SAN BENEDITTU Secondary School, Kirkop

Mark

HALF YEARLY EXAMINATION – 2016/2017

CCP

FORM 5

MATHEMATICS

TIME: 45 mins

Main Paper

Question	1	2	3	4	5	6	7	8	9	10	11	Main	NC	Total
Max. Mark	8	5	7	5	8	7	5	6	10	4	10	75	25	100
Mark														

DO NOT WRITE ABOVE THIS LINE

Name: _____

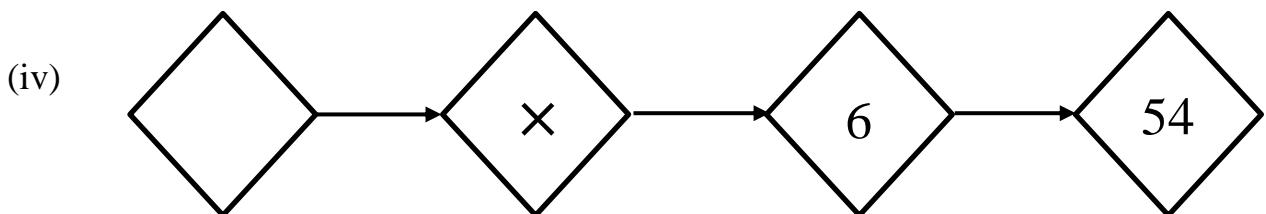
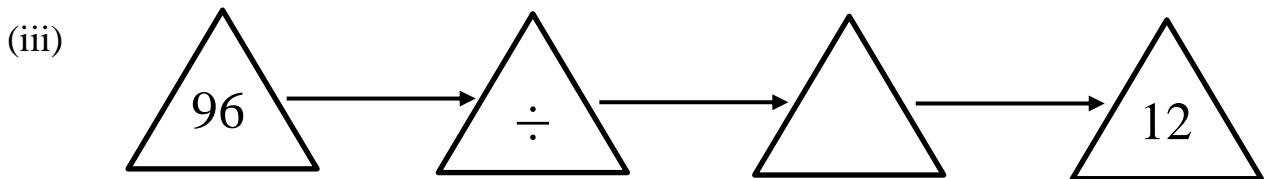
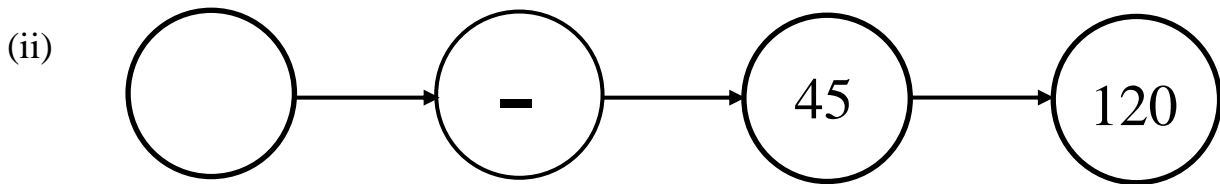
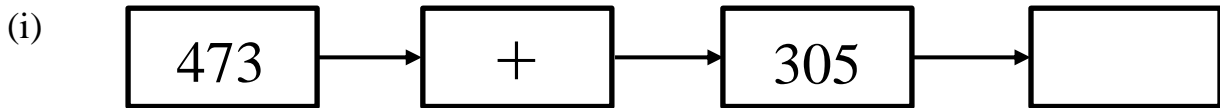
Class: _____

INSTRUCTIONS TO CANDIDATES:

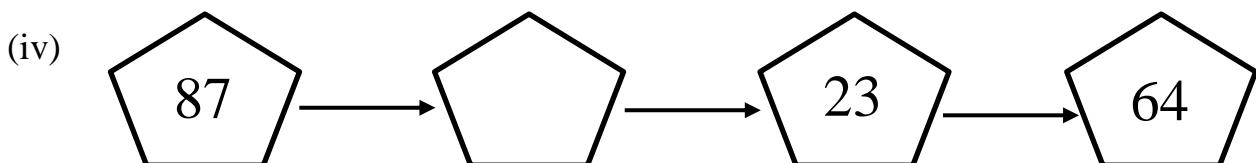
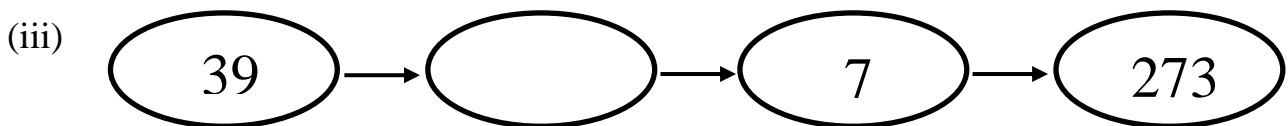
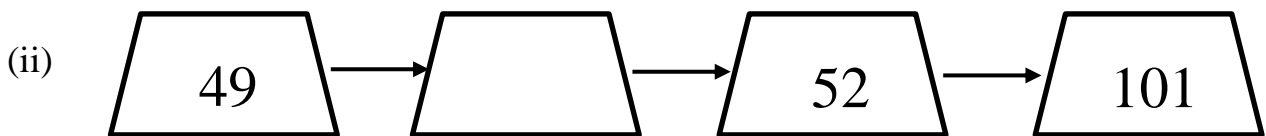
Read all the questions carefully before you start answering.

- Answer all questions.
- This paper carries 75 marks.
- **Calculators, protractors** and other mathematical instruments are allowed but all necessary working must be shown

1. a) Fill in the empty shape with the correct number:



b) Fill in the empty shape with the correct sign (+, −, ×, ÷):



(8 marks)

Name: _____

Class: _____

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2. Choose the correct word from the list and write it in the box next to the diagram.

Whole turn

Acute

Obtuse

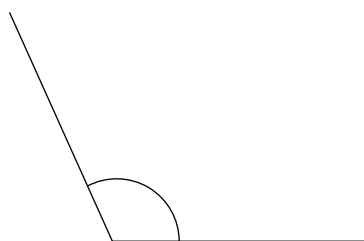
Straight angle

Right angle

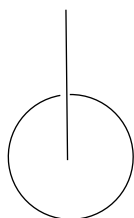
(a)



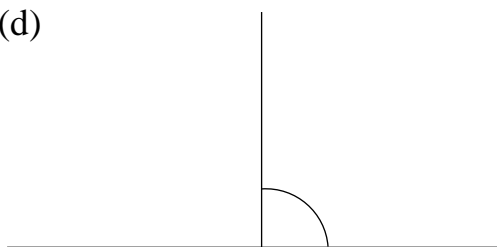
(b)



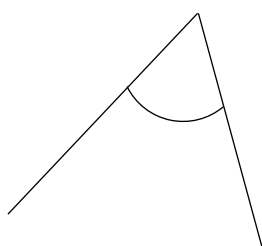
(c)



(d)



(e)



(5 marks)

3. Here is part of Mariah's Monday morning timetable at school:

Activity	Time of the day
Assembly	8:30 a.m. - 8:45 a.m
Lesson 1	8:45 a.m. - 9:30 a.m.
Lesson 2	9:30 a.m. - 10:15 a.m.
Lesson 3	10:15 a.m.-
Break	

- a) i) The **Assembly** is _____ minutes long.
- ii) **Lesson 1** is _____ minutes long.
- iii) **Lesson 3** is 30 minutes long. It finishes at _____ a.m.
- iv) The **Break** is 15 minutes long.
It starts at _____ a.m. and finishes at _____ a.m

b) School finishes at **3:00 p.m.**

Write this time inside the following 24-hour digital clock:

<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border-bottom: 2px solid black; width: 20px;"></div> <div style="border-bottom: 2px solid black; width: 20px;"></div> <div style="text-align: center;"> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="width: 10px; height: 10px; background-color: black; border-radius: 50%; margin-bottom: 5px;"></div> <div style="width: 10px; height: 10px; background-color: black; border-radius: 50%;"></div> </div> </div> <div style="border-bottom: 2px solid black; width: 20px;"></div> <div style="border-bottom: 2px solid black; width: 20px;"></div> </div>

c) Mariah arrives at home at 3:45 p.m.

How long is her journey from school to home?

Ans: _____ mins

(7 marks)

Name: _____

Class: _____

Form 5

CCP

4. a) Maria weighs 55 kg and her twin brother Mario weighs 70 kg.

Find the **difference** between their weights.

Answer: _____ kg

- b) How many 200 ml cups of water do I need to fill in a 2 litre bottle?

Answer: _____ cups

(5 marks)

5. **Match** the instrument with the item and unit it measures:

Instrument			Item			Unit
Stop Watch	•	•	Weight	•	•	litres
Measuring Jug	•	•	Length	•	•	kilograms
Measuring Tape	•	•	Capacity	•	•	seconds
Scales	•	•	Time	•	•	metres

(8 marks)

6. a) **Work out:**

i) 40% of 300 kg

ii) 15% of 900 kg

Ans: _____ kg

Ans: _____ kg

b) Which is the **larger** quantity?

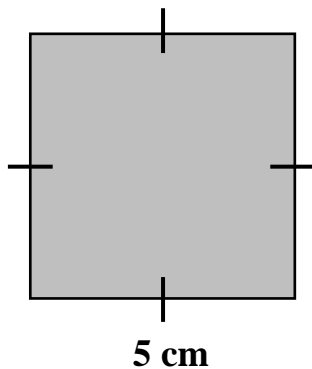
40% of 300 kg *or* 15% of 900 kg

Ans: _____

(7 marks)

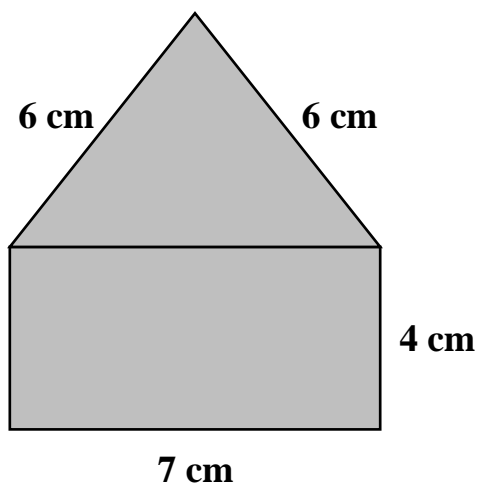
7. Work out the **perimeter** of these shapes:

a)



Ans: _____ cm

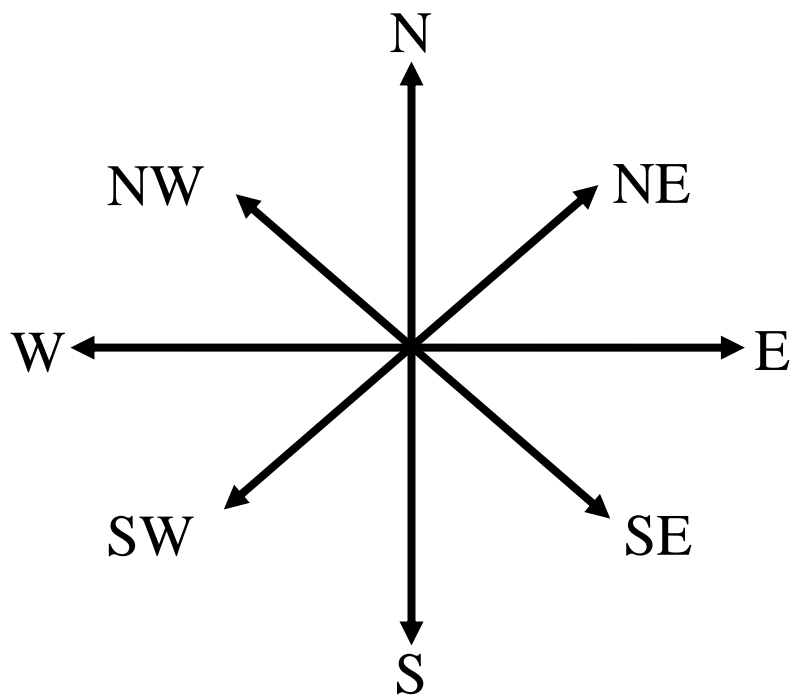
b)



Ans: _____ cm

(5 marks)

8. The diagram below shows the 8 compass directions.



a) Inside each box, write down the **angle** if I turn **clockwise** from:

(i) North East (NE) to East (E)

(ii) South West (SW) to North West (NW)

(iii) South West (SW) to North East (NE)

(iv) West (W) to West (W)

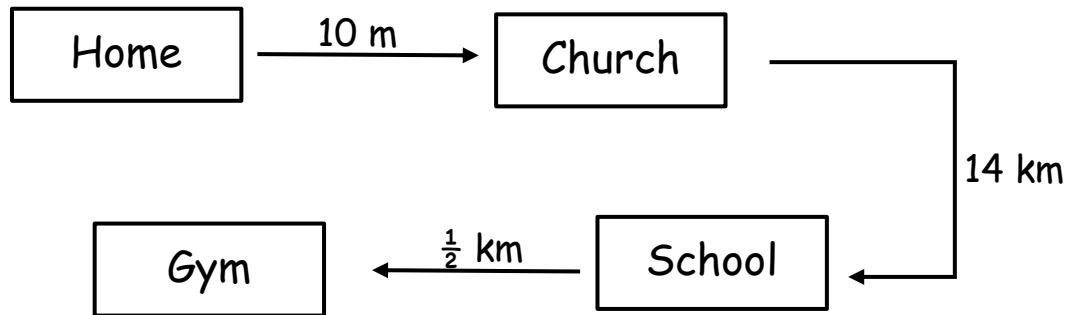
b) Anthony is facing North. He turns 225° clockwise.

Mark his turn on the diagram above.

Which **direction** is Anthony facing now?

(6 marks)

9. The following is a plan of the places that Mark has been to on a particular day:



a) Underline the correct words from inside the brackets:

- i) Mark (travels by bus, walks) from home to the church.
- ii) Mark (travels by bus, walks) from church to the school.

b) Write down in **metres** the total distance he travels to go from home to the gym.

Ans: _____ metres

c) Mark goes to the gym by bus from Monday to Friday. If the ticket costs €1.50, how much does he spend?

Ans: €_____

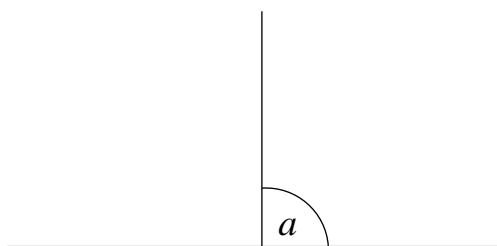
d) His yearly gym membership fee is €240. How much does he pay monthly?

Ans: €_____

(10 marks)

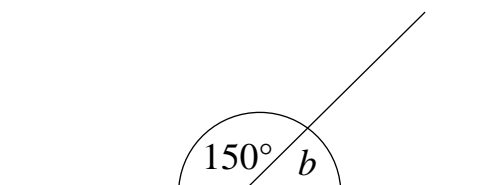
10. Work out the angle marked with a letter:

(a)



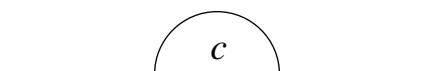
Ans: $a =$ _____

(b)



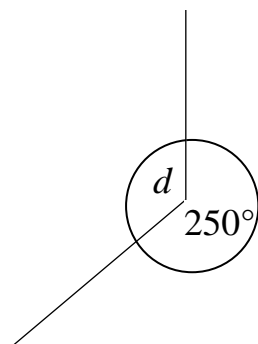
Ans: $b =$ _____

(c)



Ans: $c =$ _____

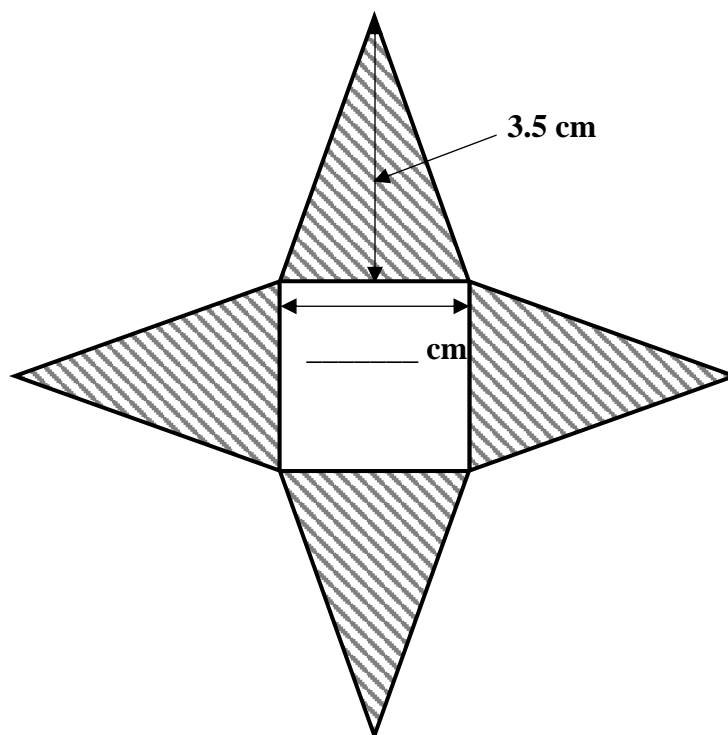
(d)



Ans: $d =$ _____

(4 marks)

11. This star is made up of a **square** and **four equal triangles**.



a) **Measure** the length of the side of the square.

b) Work out the **area** of:

i) the square

Ans: _____ cm^2

ii) one of the triangles

Ans: _____ cm^2

c) Work out the area of the **whole shape**.

Ans: _____ cm^2

(10 marks)

END OF EXAM PAPER