

KULLEĠĠ SAN BENEDITTU

Secondary School, Kirkop

Mark

HALF YEARLY EXAMINATION – 2014/2015

CCP

FORM 4

MATHEMATICS CCP

TIME: 15 mins

NAME: _____ INDEX NO. _____ Class: _____

Non Calculator Paper

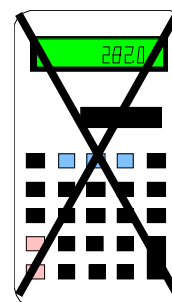
Question	1	2	3	4	5	6	Total
Max. Mark	2	3	5	8	3	4	25
Mark							

DO NOT WRITE ABOVE THIS LINE

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**.
- On your desk you should have nothing except for **pen, pencil, ruler** and the **examination paper**.
- You are not required to show your working. However, space for working is provided if you need it.



1. Write **450 207** in words:

(2 marks)

2. i) Fill in:

23, 25, 27, 29, _____, _____.

ii) These numbers are (**odd** , **even**) numbers.

(3 marks)

3. Work out:

a) $132.56 \div 100 =$

Ans _____

b) $45.625 - 16.91 =$

Ans _____

c) $2.543 \times 5 =$

Ans _____

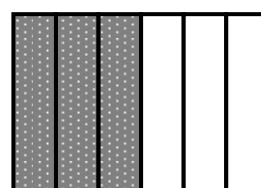
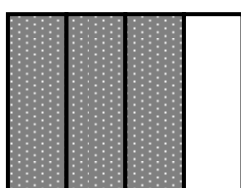
(5 marks)

4. a) Work out:

$$\frac{1}{3} + \frac{2}{9} = \frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

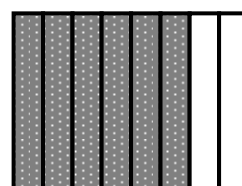
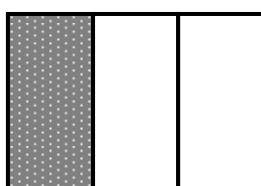
b) i) What fraction is shaded?

$$\frac{3}{4}$$



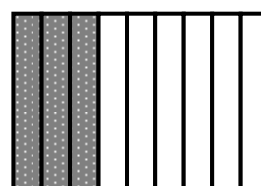
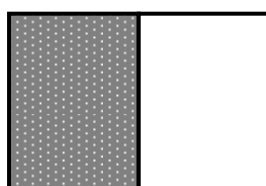
$$\frac{3}{6}$$

$$\frac{\boxed{}}{\boxed{}}$$



$$\frac{\boxed{}}{\boxed{}}$$

$$\frac{\boxed{}}{\boxed{}}$$



$$\frac{\boxed{}}{\boxed{}}$$

ii) Draw arrows to **match** the above equivalent fractions.

(8 marks)

5. Fill in:

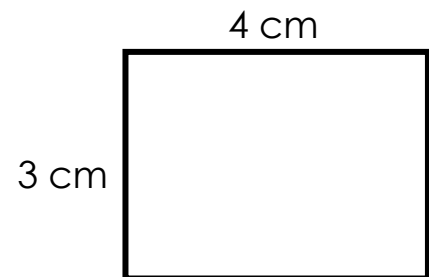
a) $1.7 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

b) $2250 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

c) $0.65 \text{ litres} = \underline{\hspace{2cm}} \text{ ml}$

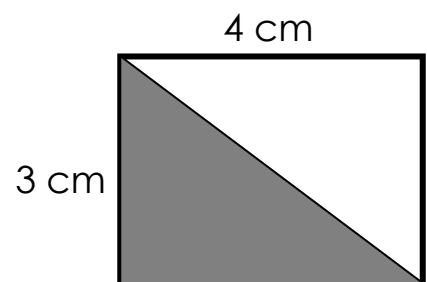
(3 marks)

6. i) Work out the **area** of this **rectangle**.



Ans cm^2

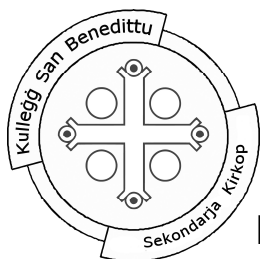
ii) Find the **area** of the **shaded** right-angled **triangle**.



Ans cm^2

(4 marks)

END OF NON CALCULATOR PAPER



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FORM 4

MATHEMATICS CCP

TIME: 45 mins

NAME: _____ INDEX NO. _____ Class: _____

Main Paper

Question	1	2	3	4	5	6	7	8	9	10	Main	NC	Global Mark
Max. Mark	4	4	6	5	10	8	6	8	10	14	75	25	100
Mark													

DO NOT WRITE ABOVE THIS LINE

INSTRUCTIONS TO CANDIDATES:

Read all the questions carefully before you start answering.

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

1. Choose the correct value of the underlined numbers:

i) 582 793 (800, 80 000, 80, 8)

ii) 386 491 (3, 3 000, 300 000, 300)

(4 marks)

2. a) The temperature in Russia is -30°C .

Use an "X" to mark this temperature on the diagram.

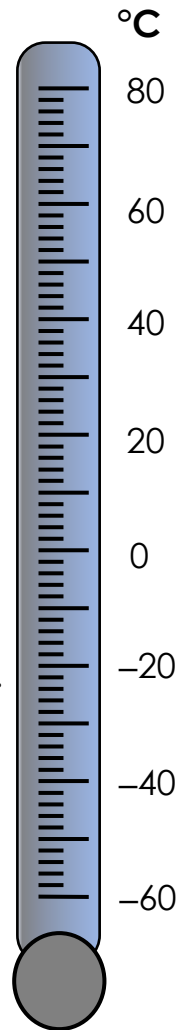
- b) The temperature in London is -10°C .

Use " ← " to mark this temperature on the diagram.

- c) In Rome, the highest temperature in summer is 30°C .

This temperature in winter goes **down** by 40°C .

The temperature in winter is _____ $^{\circ}\text{C}$.



(4 marks)

3. a) Arrange in order, **smallest first**:

0.25 2.505 0.2 5.25 5.02 2.002

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- b) Arrange in order, **largest first**:

96 200 320 928 7 598 35 050 840 562

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(6 marks)

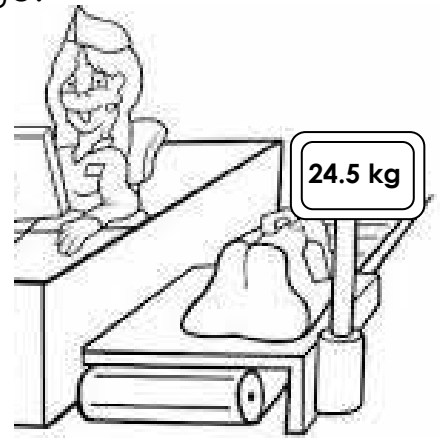
4. The airline allows you to carry **20 kg** baggage.

The weight of John's baggage is **24.5 kg**.

a) John has _____ **kg** extra baggage weight.

b) For the extra baggage weight John must pay **€12 per kg**.

How much money must he pay?

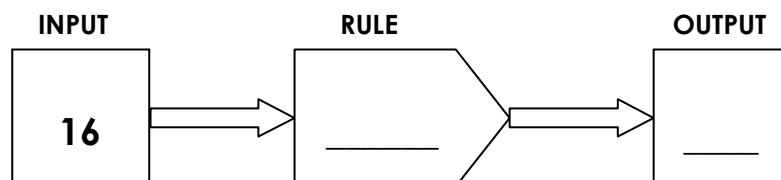


Ans: € _____
(5 marks)

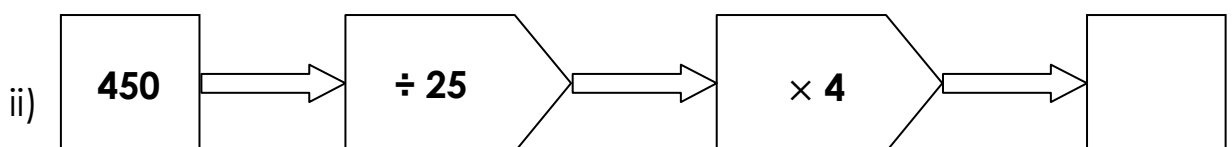
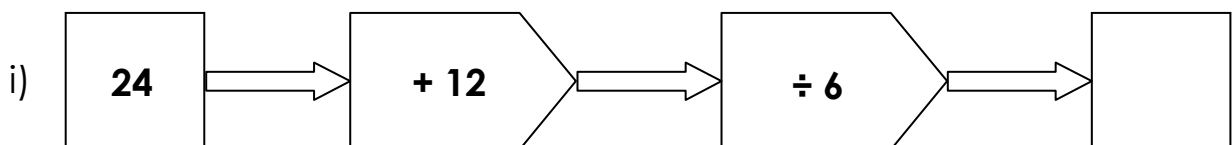
5. a) *BRO Mobile* charges **5** cent per message.

Dylan sends **16** messages.

Complete this **number machine** to find how much Dylan spends on messages.



b) Fill in the number machine.



(10 marks)

6. A bottle of water is $\frac{3}{4}$ full.

I pour $\frac{13}{24}$ of the bottle in a glass.



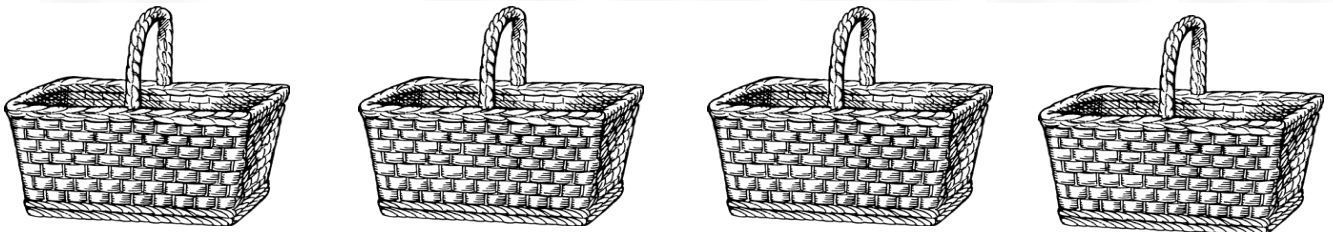
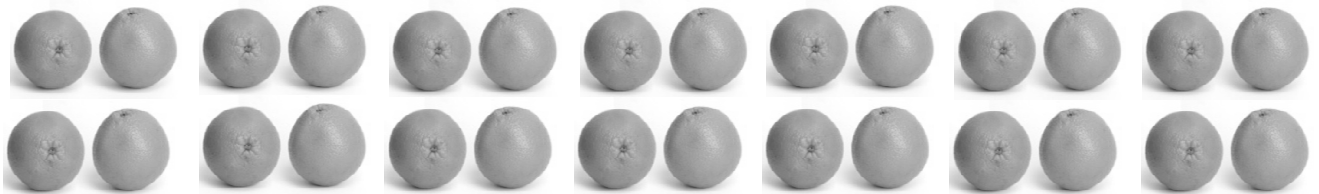
i) Fill in with the correct **fractions** to find how much water is left.

$$\frac{3}{4} - \frac{13}{24} = \frac{\boxed{}}{\boxed{}} - \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

ii) From the water left, can I drink $\frac{7}{24}$ of the bottle? YES ☐ NO ☐

(8 marks)

7. I have 28 oranges and 4 baskets.



The oranges are placed in the baskets.

Each basket has an **equal** amount of oranges.

a) How many oranges are there in each basket?

Ans: _____

b) Use this information to find $\frac{3}{4}$ of 28.

Ans: _____

(6 marks)

8. a) Round each number to the nearest hundred.

i) 6 293 _____

ii) 4 745 _____

iii) 955 _____

b) Now give a **rough estimate** for:

$$\frac{6293 + 4745}{955} \approx$$

Ans: _____

c) Use your **calculator** to work out $\frac{6293 + 4745}{955}$.
Round your **answer** to the nearest whole number.

Ans: _____

(8 marks)

9. Joanne buys the following items.

The shop gives her a **10% discount** on her total price.

Fill in her receipt.



€35.50



€19.85



€7.25

Receipt

Price

€ _____

€ _____

€ _____

€ _____

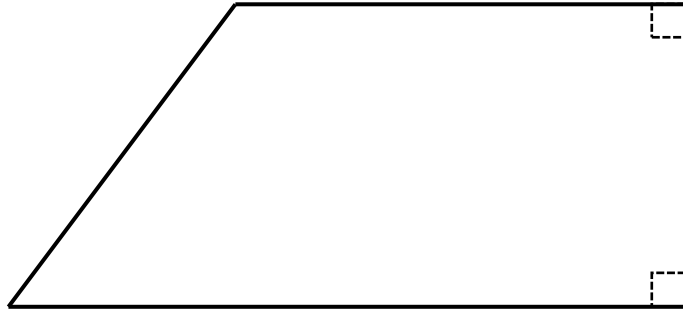
€ _____

€ _____

(10 marks)

- 10.a) Use your **ruler** to measure the lengths of **all** the sides of the shape.

Write down **all** the lengths on the shape.



- b) Find the **perimeter** of this shape.

Ans: _____ cm

- c) Find the **area** of this shape.

Ans: _____ cm²

(14 marks)

END OF EXAM