END OF PRIMARY BENCHMARK

MATHEMATICS

WRITTEN PAPER

80 marks

1 hour 15 minutes

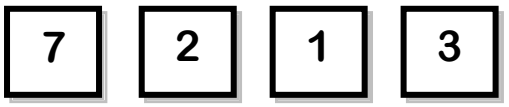
WRITTEN PAPER

1. **Work out:**

a) 142 + 241 = _____	b) 1000 − _____ = 243 _____
c) 30 × 30 = _____	d) 714 ÷ 7 = _____

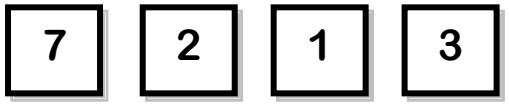
2. Use the digits in each question **only once**.

a) Write the **smallest** possible **number** using **all** these digits.



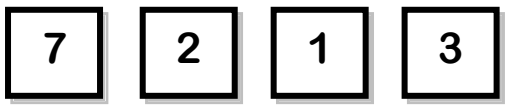
_____

b) Write the **largest** possible **even number** using **all** these digits.



_____

c) Write a **number** which is **2400** when **rounded** to the **nearest hundred**.



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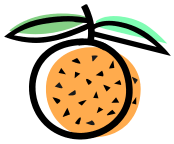
3. Choose the **best measure** to fill in the blanks.

7 km	**110 m**	**250 *mℓ***	**200 g**

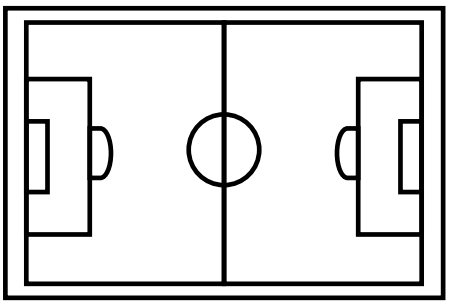
a) An **orange** weighs about _____ .



b) A **glass of milk** can hold about _____.

c) The **distance** from Birkirkara to Valletta is about _____.

d) A **football pitch** has a length of _____.



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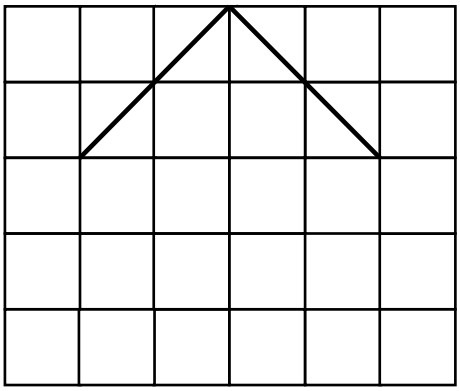
4. Use the number cards **2** **3** **4** **5** **7** to complete the following calculations.

Note: *The number cards can be used* ***more than once****.*

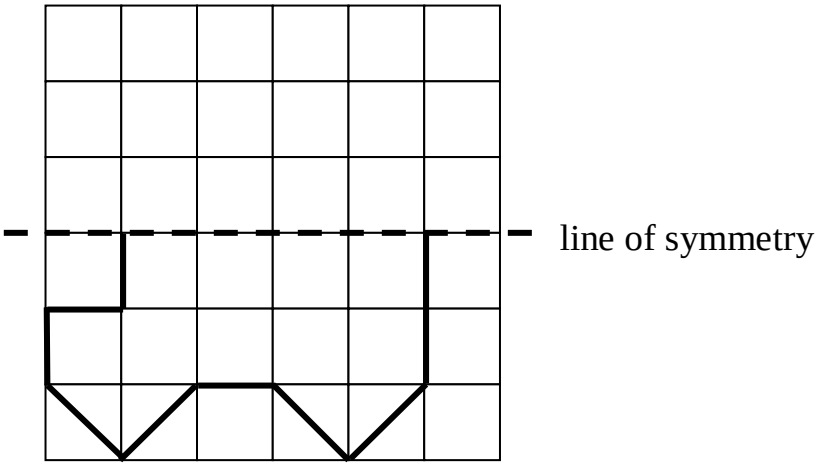
a) ☐☐☐ + **4** **5** = 299

b) ☐☐☐ − ☐☐ = 299

5a) Use a **ruler** to **complete** the drawing below to make a **pentagon**.



b) Use a **ruler** to **complete** the drawing below to make a **symmetrical shape**.



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6. Choose cards from the set below to make **five pairs** that **match**.

10 %	20 %	25 %	75 %	80 %	100 %
$\frac{3}{4}$	0·1	$\frac{1}{4}$	1	$\frac{3}{5}$	0·2

a) ____ % = ____

b) ____ % = ____

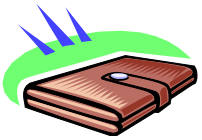
c) ____ % = ____

d) ____ % = ____

e) ____ % = ____

7. Kyra takes these items on a hike.

She puts them in a bag.

mobile	**book**	**purse**	**football**	**food**
				
0·32 kg	625 g	220 g	435 g	1 kg 15g

a) What is the **total weight** of these **5 items**?

Give your answer in **kg**.

_____ **kg**

b) These **items** and Kyra's **bag** weigh **3 kg 250 g altogether**.

What is the weight of Kyra's **empty bag**?

Give your answer in **g**.

_____ **g**

c) By the end of the day, Kyra walked a distance of **10 km**.
She spent **4 hours** walking.
How many **km** did she walk in **1 hour**?

_____ **km**

8. Karl buys **60 flowers**.

$\frac{2}{3}$ of them are **roses**.

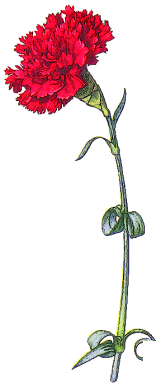
a rose

a) How many **roses** does he buy?

_____ **roses**

b) **8** of the flowers are **carnations**. The **rest** are **daffodils**.

What **fraction** of the flowers are **daffodils**?



a carnation

a daffodil

c) The roses cost **€1·50** each.

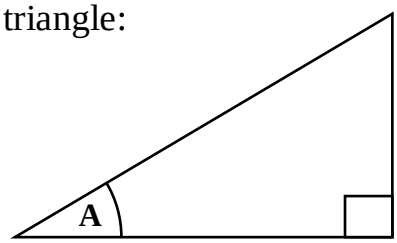
The carnations cost **70 c** each.

The daffodils cost **35 c** each.

How much does Karl **spend** on flowers?

€ _____

9a) Look at this triangle:



i) Use a protractor to **measure Angle A**.

Angle A is _____ **o**.

ii) **Tick** (✓) the **two correct** statements about the triangle above:

Angle A is acute.	☐	This triangle is equilateral.	☐
This is a right-angled triangle.	☐	This triangle has 3 lines of symmetry.	☐

b) A turn of $\mathbf{2\frac{1}{2}}$ **right angles** is equal to _____ **o**.

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10. Ann jogs **12 laps** round an athletics track every morning.

The distance round the track (1 lap) is **400 m**.

a) How many **kilometres** does she jog?

_____ **km**

b) One day, she stops **jogging** after $\mathbf{10\frac{1}{5}}$ **laps** and she **walks** $\mathbf{1\frac{4}{5}}$ **laps**.

i) How many **kilometres** does she **jog**?

_____ **km**

ii) How many **kilometres** does she **walk**?

_____ **km**

11. There are **350 chocolate bars**.

a) **Each chocolate bar** costs **47 c**.

Work out the **total cost** of **all** the **chocolate bars**.

€ _____

b) **One box** holds **25** chocolate bars.

How many **boxes** are needed to pack **all** the chocolate bars?

_____ boxes

c) An **empty box** costs **15 c**.

Work out the **total cost** of the **chocolate bars** and the **boxes**.

€ _____

12. Paul has a rectangular garden which measures **15 m by 40 m**.

a) What is the **perimeter** of Paul's garden?

Give your answer in **m**.

_____ **m**

b) What is the **total area** of Paul's garden?

Give your answer in $\mathbf{m^2}$.

_____ $\mathbf{m^2}$

c) Paul's garden has a gate, which is shown here.

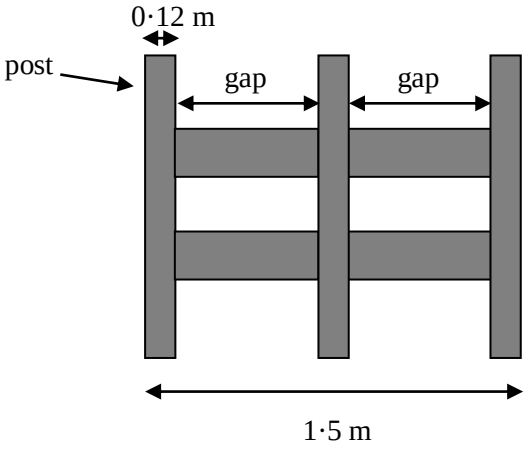
The **total width** of **this** gate is **1·5 m**.

There are three posts.

Each post is **0·12 m** wide.

Both gaps are of the **same width**.

How **wide**, in **m**, is **each gap**?

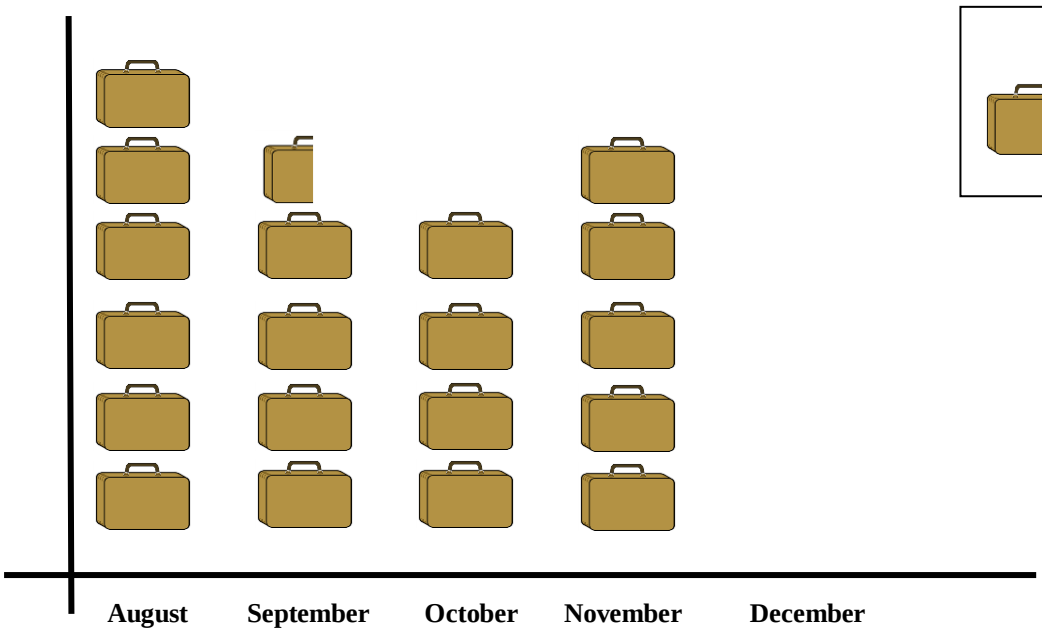


_____ **m**

13. A study was carried out to find out the number of Italian tourists that came to Malta in the last 5 months of the year.

This table and the pictograph below it show the results obtained.

Month	August	September	October	November	December
Number of Tourists	12000	9000		10000	6000



a) Look at the pictograph and **complete the table.**

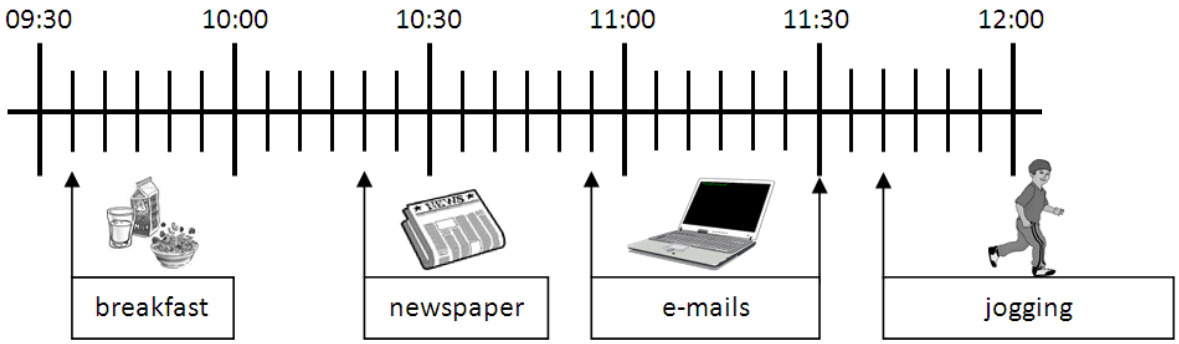
b) Look at the table and **complete the pictograph.**

c) The **greatest number** of tourists came to Malta in _____,
while the **least number** of tourists came to Malta in _____.

d) Work out the **average number** of Italian tourists in the **last five months** of the year.

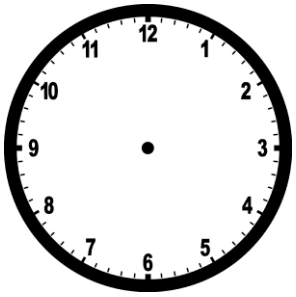
_____ **tourists**

14. This **timeline** shows what Luke did on Sunday morning.



a) At what time did Luke **start breakfast** on Sunday?

Show this time on the clock below.



b) **At what time** did he **start** reading the **newspaper**?

____:____

c) **How long**, **in minutes**, did he spend reading his **e-mails**?

____ minutes

d) Luke spent **45 minutes** jogging.

At what time did Luke **stop jogging**?

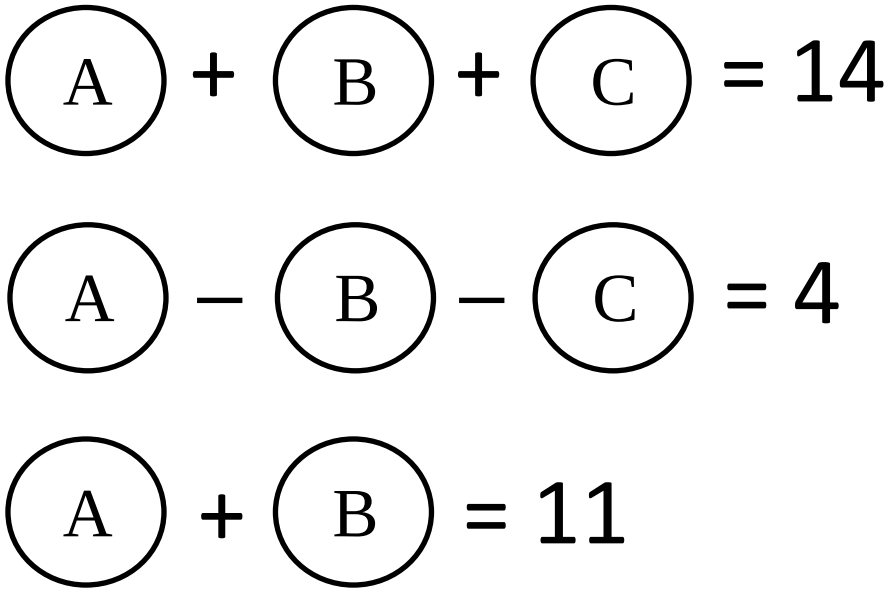
____:____

15. Amanda places number cards from **1 to 15** in a bag.

She then picks **three** of these number cards.

Which **three different numbers** does she pick to get the following answers?

Hint: **A** is a **square number**, **B** is an **even number** and **C** is an **odd number**.



A = ◯ B = ◯ C = ◯

16. The pictures below show five different cameras.

Camera A

Camera B

Camera C

Camera D

Camera E

Use the following clues to work out the cost of **each camera**:

- The price of **Camera D** is **€7·50 more** than the price of **Camera C**.
- **Camera D** costs **twice as much** as **Camera E**.
- I buy **Camera E** and receive **€13 change** when paying with a **€100** note.
- **Camera B** costs **€1·60 more** than **Camera C**.
- **Camera B** is **double** the price of **Camera A**.

Camera A _____

Camera B _____

Camera C _____

Camera D _____

Camera E _____

END OF PAPER

Mark Scheme

Mental Paper	Questions	1 - 20	20 × 1 mark	=	20 marks
Written Paper	Questions	1 - 4	4 × 4 marks	=	16 marks
		5 - 12	8 × 5 marks	=	40 marks
		13 - 16	4 × 6 marks	=	24 marks
			TOTAL		**100 marks**