DEPARTMENT FOR CURRICULUM,
RESEARCH, INNOVATION AND LIFELONG LEARNING
Directorate for Learning and Assessment Programmes
Educational Assessment Unit

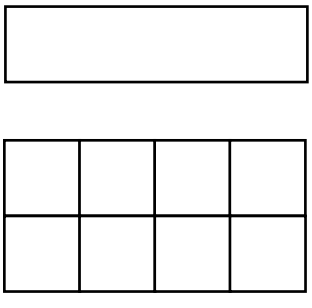
Annual Examinations for Primary Schools 2018

YEAR 5 **MATHEMATICS** **TIME: 1h 15min**

Name: _____ Class: _____

1. Work out.

a)	234 + 122 = ☐
b)	150 + ☐ = 1000
c)	6 × ☐ = 180
d)	365 − 236 = ☐
e)	Which digit is in the **tenths** place in 512•3? **Tick (✓)** the correct answer. (i) 5 ☐ (ii) 1 ☐ (iii) 2 ☐ (iv) 3 ☐
f)	(i) 45 ÷ 5 = ☐ (ii) 24 ÷ ☐ = 3 r 3
g)	Write the **missing numbers** to make **matching fractions**. (i) $\frac{\square}{4}$ = 1 whole (ii) $\frac{3}{4} = \frac{\square}{8}$

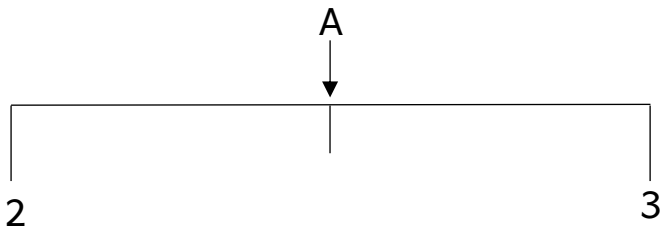


h)	**Round €5·46** to: (i) the **nearest 10c** = ☐ (ii) the **nearest euro** = ☐
i)	Double 24 = _____ = _____ × 8
j)	**Write** *a* possible **missing digit**. (i) **5260 > 5 ☐ 60** (ii) **72 ☐ 9 < 7243**

(10 x 2 marks = 20 marks)

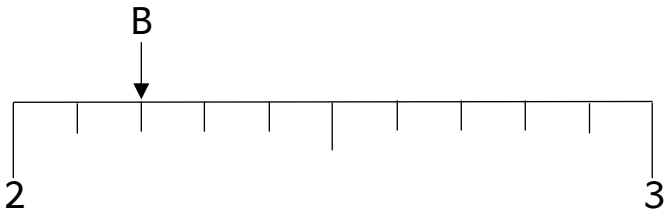
2. Which **decimal numbers** do the arrows show?

a)



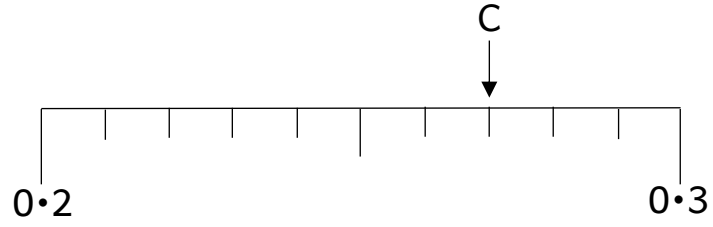
A = ☐

b)



B = ☐

c)

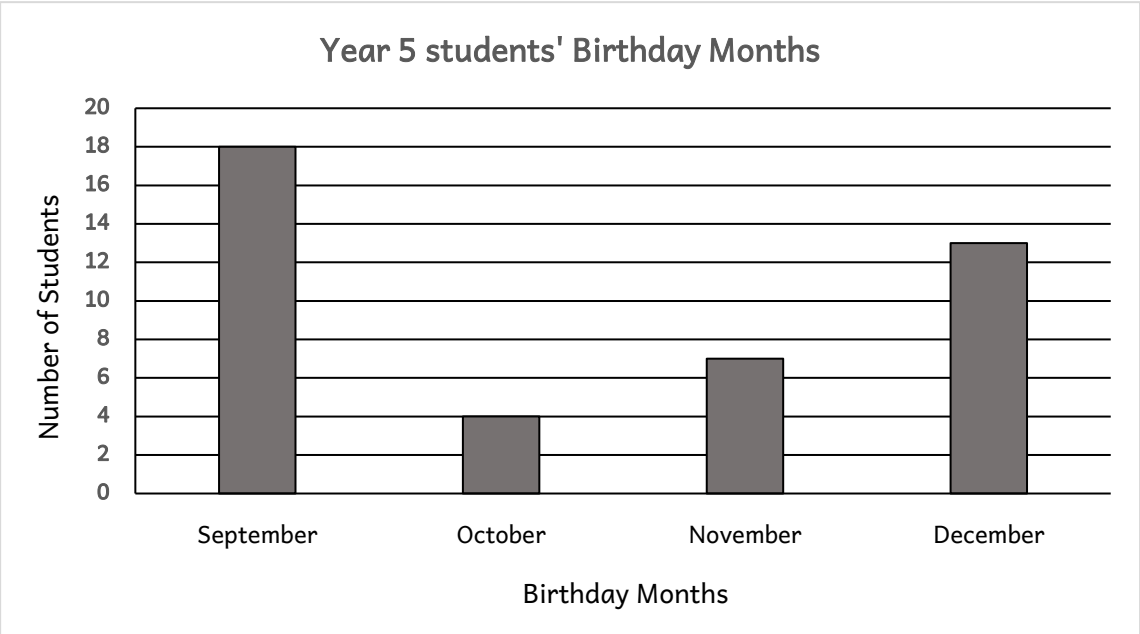


C = ☐

(4 marks)

Name: _____ **Class:** _____

3. The bar chart below shows the amount of Year 5 students in **Sunshine School** who celebrate their birthday in the **last 4 months of the year**.



a) How many students celebrate their birthday in **November**?

students

b) **36 Year 5 students** celebrate their birthday from January to August. How many Year 5 students are there in Sunshine School?

Show your working here.

students

(4 marks)

4a) **Two of these sentences** are **ALWAYS true**.
Tick (✓) the **two sentences** that are **ALWAYS true**.

(i) A **square** has **4 lines of symmetry**. ☐

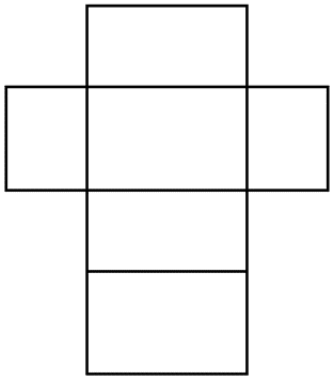
(ii) A **triangle** has **1 line of symmetry**. ☐

(iii) A **rectangle** has **4 right angles**. ☐

(iv) A **triangle** has **1 right angle**. ☐

b) Which **3-d shapes** do the **net drawings** below show?
Tick (✓) the correct answer.

(i)



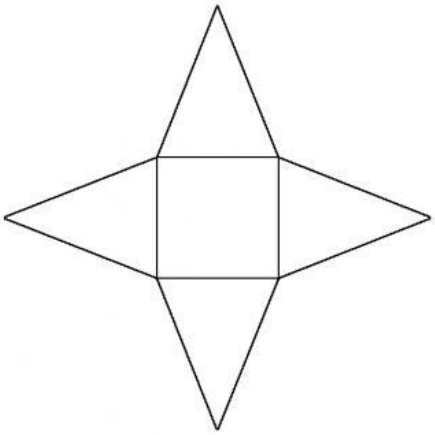
☐ **cube**

☐ **cuboid**

☐ **cylinder**

☐ **pyramid**

(ii)



☐ **cone**

☐ **cylinder**

☐ **pyramid**

☐ **sphere**

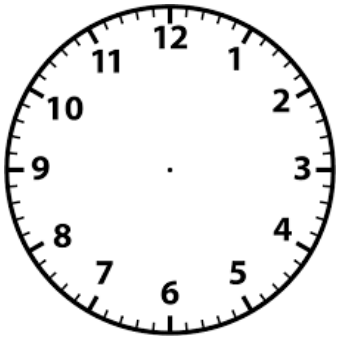
(4 marks)

Name: _____ Class: _____

5. The **Chef's Restaurant** is open every day.

Chef's Restaurant	
Monday to Friday	from 5:30 p.m. to 11:00 p.m.
Saturday	from 7:00 a.m. to 11:30 p.m.
Sunday	from 7:00 a.m. to 11:00 p.m.

a) **Draw** the time Chef's Restaurant **opens on a Monday**.



b) **For how long** is Chef's Restaurant open **on Tuesday**?

hours	**minutes**

c) **For how long** is Chef's Restaurant open **on Sunday**?

Show your working here.

hours

(4 marks)

6. The **total mass** of **7 identical flower pots** is **6·3 kg**.

a) **6·3 kilograms is equal to** ☐ **grams.**

b) Work out the **mass** of **1 flower pot**.

Show your working here.

grams

c) The **height** of the **plant** below is **60 cm**.
Tick (✓) the **best estimate** for the **height of the cupboard** below.

(i) 1·8 m ☐

(ii) 3 m ☐

(iii) 1800 cm ☐

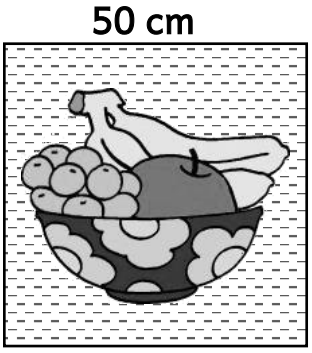
(iv) 3000 cm ☐

(4 marks)

Name: _____ Class: _____

7. Roberta has some posters at home.

a) This is the Fruit Bowl poster.

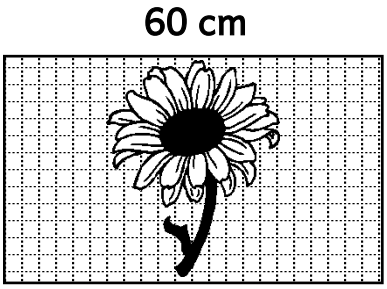


Work out the **area** of the Fruit Bowl poster.

Show your working here.

cm²

b) The **area** of the Sunflower poster is **2400 cm²**.
The **length** of this poster is **60 cm**.
Work out the **breadth** of the Sunflower poster.



Show your working here.

cm

(4 marks)

8. There are **four bottles** containing water on the table.

Bottle	**A**	**B**	**C**	**D**
Contains	$\frac{1}{4}$ ℓ	0·32 ℓ	$\frac{3}{4}$ ℓ	930 mℓ

a) **Tick (✓)** the **total amount** of water in the **four bottles**.

(i) **1·73 litres** ☐ (ii) **1·962 litres** ☐ (iii) **2 $\frac{1}{4}$ litres** ☐

b) Amanda drinks **1·6 litres** of water every day.

(i) **1·6 litres** is **equal** to ☐ **millilitres**.

(ii) **Draw** an **arrow** ⟶ on the measuring jug to show **1·6 litres**.

(iii) Amanda drinks **160 litres in** ☐ **days.**

(6 marks)

9a) Alan is facing **East**.

He makes a **270° clockwise** turn.

Then he makes $\frac{1}{2}$ **a turn** in an **anticlockwise** direction.

Which **direction** does he end up facing?

Tick (✓) the correct answer.

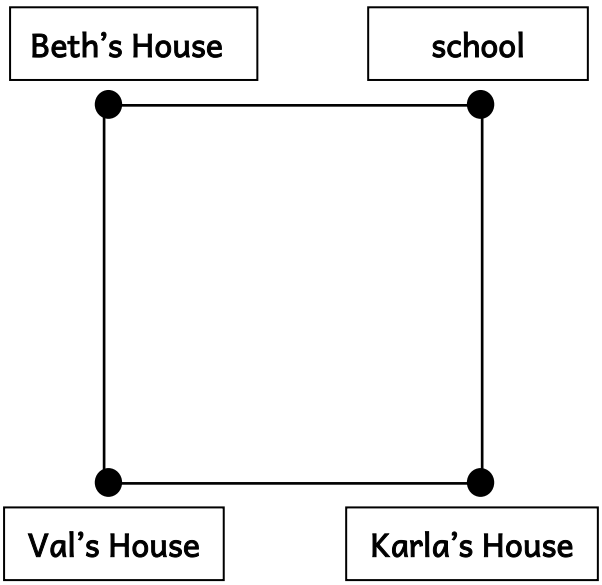
(i) North ☐

(ii) North West ☐

(iii) West ☐

(iv) South East ☐

b) Look at the diagram below.



Fill in with **directions**.

(i) **Val's House** is _____ of **Karla's House**.

(ii) **Karla's House** is _____ of **Beth's House**.

(6 marks)

10a) Every Christmas Fred bakes Christmas logs for Charity.

This year he sold $\frac{2}{5}$ **of the Christmas logs** he baked to family and friends.

He sold the **remaining 60 Christmas logs** at the Christmas Fair.

How many Christmas logs did Fred **bake** this year?

Show your working here.

family and friends

remaining 60 logs

Christmas logs

b) The Christmas Fair is a special event at Fred's school.

There were **1236 visitors**.

(i) **Round 1236** to the **nearest ten**.

(ii) **Round 1236** to the **nearest hundred**.

(iii) **One quarter of the visitors** were **children**.

How many **children** were there?

children

(6 marks)

11. The incomplete calendar below shows September 2018.

September 2018						
Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**	**Saturday**	**Sunday**
					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			

a) Luigi will celebrate his birthday on the **third Sunday in September 2018**.

Luigi celebrates his birthday on the _____ **th of September**.

b) The **last day** of **September 2018** is *a*:

(i) Saturday ☐ (ii) Sunday ☐

(iii) Monday ☐ (iv) Thursday ☐

c) **30th August 2018** is *a*:

(i) Saturday ☐ (ii) Sunday ☐

(iii) Monday ☐ (iv) Thursday ☐

(6 marks)

12*a*) George buys some tickets for *a* concert.
George spends **€86·50**.
He buys **3 tickets for adults** *a*nd **2 tickets for children**.
1 ticket for adults costs **€20·50**.
How much does **1 ticket for 1 child** cost?

Show your working here.

€

b) Donn*a* spends **€82** on concert tickets.
She **ONLY** buys **tickets for adults**.
How m*a*ny **tickets** does she buy?

Show your working here.

(6 marks)

13a) Use each of the five cards below **once**.

4	5	7	8	9

Write:

(i) a **multiplication** which is **equal to 392**

		×	

(ii) a **two-digit number** which is a **multiple of 3**

b) Write all the possible **two-digit numbers**. Use the four cards below.

1	2	3	5

Write all the different two-digit numbers here.

(6 marks)

END OF EXAMINATION

Marks' Scheme	Nos.	1 *a* - j	10 × 2	=	20
		2 - 7	6 × 4	=	24
		8 - 13	6 × 6	=	36
				TOTAL	80