

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

Annual Examinations for Primary Schools 2022

YEAR 5

MATHEMATICS

TIME: 1h 15 mins

Name: _____

Class: _____

1. Work out.

a)	$451 + 259 =$ <input type="text"/>
b)	$751 - 205 =$ <input type="text"/>
c)	$142 \times 9 =$ <input type="text"/>
d)	$8 \times$ <input type="text"/> $= 120$
e)	$2.3 + 1.7 =$ <input type="text"/> $+ 0.6$
f)	<p>Round to the nearest thousand:</p> <p>i. $1,400 \rightarrow$ <input type="text"/></p> <p>ii. $9,900 \rightarrow$ <input type="text"/></p>
g)	<p>Tick (✓) the best way to work out the estimate for 73×49.</p> <p>i. 70×40 ii. 70×50 iii. 80×50 iv. 80×40</p> <p>☐ ☐ ☐ ☐</p>

h)	<p>Fill in.</p> <p>i. 1, 4, 9, <input type="text"/>, <input type="text"/>, 36</p> <p>ii. 800, <input type="text"/>, <input type="text"/>, 770, 760</p>
i)	<p>Fill in</p> <p>i. $\frac{\boxed{}}{12} = \frac{1}{3}$</p> <p>ii. $\frac{5}{25} = \frac{1}{\boxed{}}$</p>
j)	<p>$60 \div 2 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \times 3$</p>

(10 x 2 marks = 20 marks)

2. a) 1 bottle holds 0.5 ℓ of water.

0.5 ℓ is equal to

ml.

- b) Work out the capacity of 9 bottles.

Show your
working here.

 ml

(4 marks)

3. Write each of the numbers below in the Carroll Diagram.

63

117

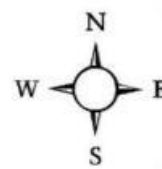
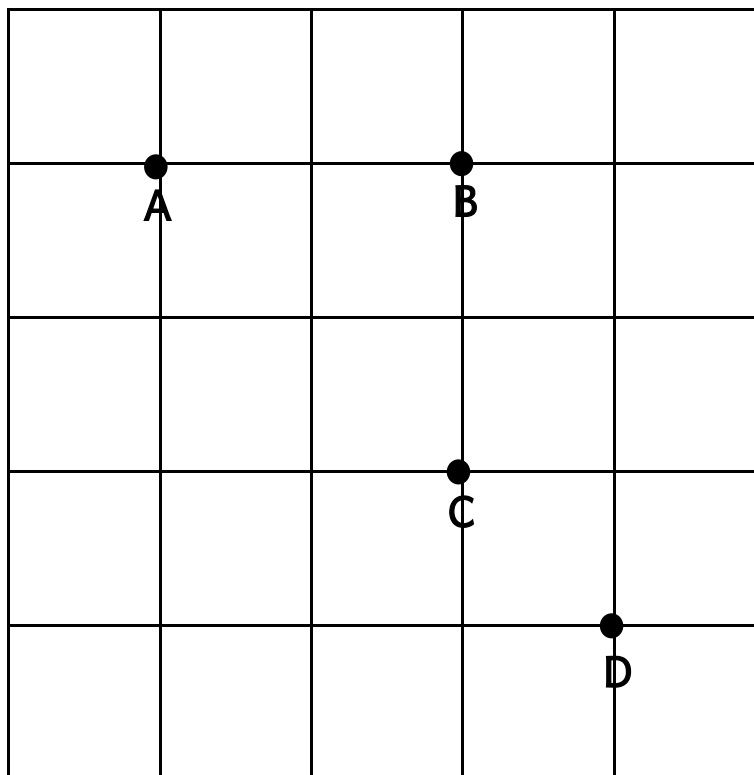
105

9

	Multiple of 7	Not a Multiple of 7
< 100		
> 100		

(4 marks)

4. Look at the grid below.
A, B, C and D are towns.



- a) Fill in with directions.

i. A is of B.

ii. B is of C.

- b) Fill in with A, B, C or D.

i. is North West of D.

ii. C is South East of .

(4 marks)

5. Maria has **36 beads**.
 $\frac{1}{3}$ of the beads are **blue**.
The **rest** are **yellow**.

a) How many beads are **blue**?

blue beads		
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Show your
working here.

--

blue beads

b) How many beads are **yellow**?

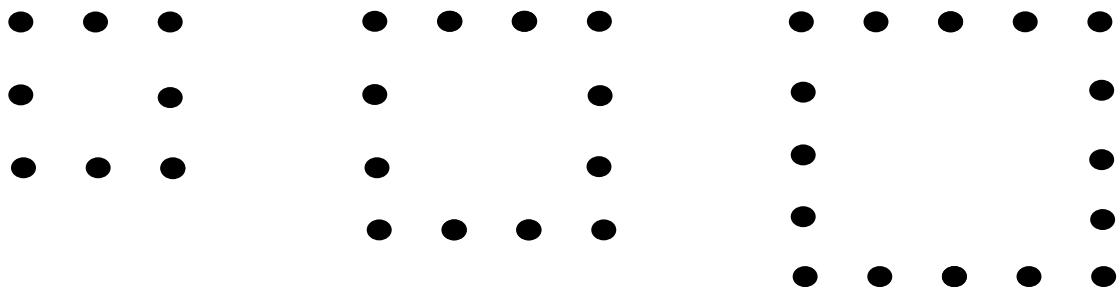
Show your
working here.

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yellow beads

(4 marks)

6. Clare makes a **pattern of squares** with pegs.
Look carefully at the first three squares in the **pattern**.



- a) **Complete** the table below to show Clare's pattern.

Number of pegs on each side	3	4	5	6	7
Total number of pegs	8	12	16		

- b) How **many pegs** are there on **each side** when the **total number of pegs** is **36 pegs**?

Show your
working here.

pegs

(4 marks)

7. Kate is playing a video game.

Follow these clues below to guess Kate's **highest score**.

- Kate's highest score is a **4-digit number**.
- **All the digits** in Kate's highest score **added together make 20**.
- **One of the digits is used more than once** in the score.
- When Kate's score is rounded to the nearest hundred it becomes 4800.

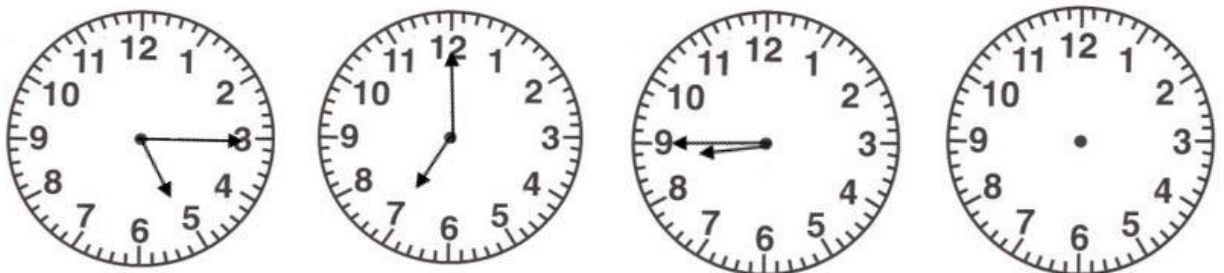
What is Kate's **highest score**?

Fill in the missing digits to show Kate's score.

4 _ 5 _

(4 marks)

-
8. a) Use a ruler to draw the hour hand and minute hand of the last clock face to continue the **pattern**.



- b) Julia and Andre watch a movie at **11:00 a.m.**

The movie is **one and a half hour long**.

At what time will the movie **finish**?



(6 marks)

9. a) Tick (✓) a suitable mass for each object.

i)

☐

500 g

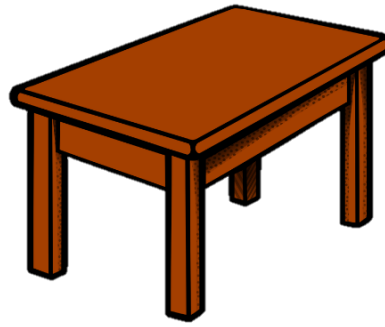
☐

10 kg

☐

100 kg

ii)

☐

0.5 kg

☐

20 kg

☐

1000 kg

b) Complete the conversion table.

g	kg
	$\frac{1}{4}$
750	
	$\frac{1}{10}$
500	

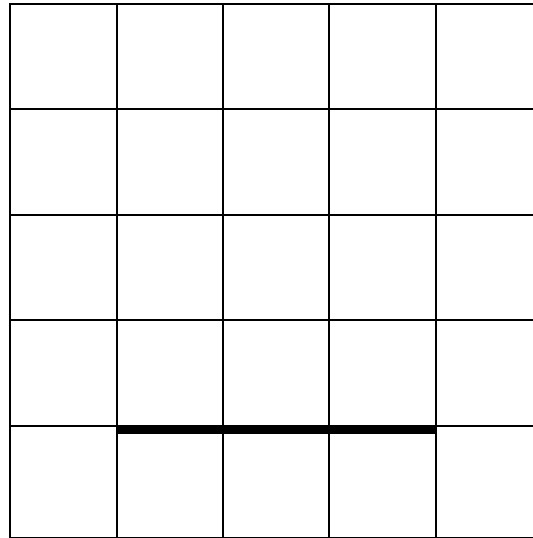
(6 marks)

10. a) Lucia plays with a 2D shape.

The shape has **2 right angles** and **5 sides**.

The shape has **one line of symmetry**.

Draw the shape on the grid below.



b) **Match:**

- | | | | | |
|------|-----------------------------|---|---|----------------------|
| i. | A shape with 3 equal sides | ● | ● | irregular polygon |
| ii. | A shape with 4 equal sides | ● | ● | cuboid |
| iii. | A shape with no equal sides | ● | ● | equilateral triangle |
| iv. | A 3D shape | ● | ● | square |

(6 marks)

11. Thomas buys a **sandwich at €2**, a **smoothie at €1.20** and a **cereal bar at €1.35**.



- a) Work out the **total cost**.

Show your
working here.

€

- b) Thomas pays with a **€5 note**.

Work out the **change**.

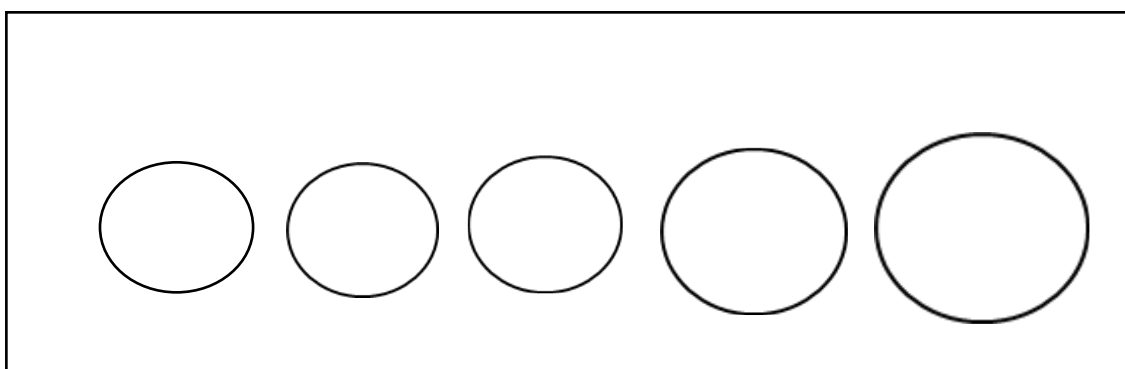
Show your
working here.

€

- c) Thomas receives **5 coins as change**.

3 of the coins are of the **same value**.

Draw the 5 coins Thomas receives as change.



(6 marks)

12. The pictograph below shows the **favourite fruit** of students in Class 5. Each student chooses the most favourite fruit.

Favourite Fruit	
Apple	 
Orange	   
Watermelon	     
Banana	  
Kiwi	
Each  stands for 5 students.	

- a) is the **most popular** fruit.
- b) **students** choose **orange**.
- c) **students** choose **apples or kiwi**.
- d) The number of students who choose **banana** is **three times** the number of students who choose .
- e) Zack says that there are **16 students** in Class 5.
But Zack is **not correct**.
Show working to explain why.

(6 marks)

13. Jack, Sofia and Luke are friends. They each have a garden.

The **area** of **each garden** is **36 m²**.

Each garden has a **different perimeter**.

The **length** of Jack's rectangular garden is **9 m**.

The **perimeter** of Sofia's rectangular garden is **30 m**.

The **length** of Sofia's garden is **four times its breadth**.

The **length** and **breadth** of Luke's garden are **equal**.

Work out the **length** and **breadth** of each garden.

a. Jack's garden

length		breadth
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="text-align: center;">9 m</div> </div>	and	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="text-align: center;">m</div> </div>

b. Sofia's garden

length		breadth
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="text-align: center;">m</div> </div>	and	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="text-align: center;">m</div> </div>

c. Luke's garden

length		breadth
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="text-align: center;">m</div> </div>	and	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="text-align: center;">m</div> </div>

(6 marks)

END OF EXAMINATION

Marks' Scheme	Nos.	1 a-j	10 x 2	=	20
		2 – 7	6 x 4	=	24
		8 – 13	6 x 6	=	36

TOTAL	80
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