2022 PRIMARY 4 MID-YEAR EXAMINATION

Name: _____ ( ) Date: 11 May 2022

Class: Primary 4 ( ) Time: 8.00 a.m. - 9.00 a.m.

Parent's Signature: _____ Marks: _____ / **100**

MATHEMATICS

PAPER 1

(Booklet A and Booklet B)

INSTRUCTIONS TO CANDIDATES

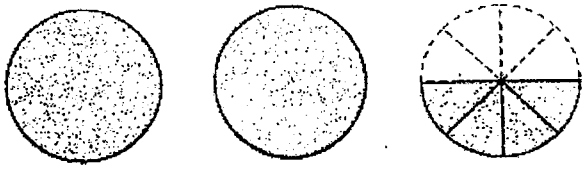
1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. The duration for Paper 1 is 1 hour.

Booklet A	20
Booklet B	40
Paper 2	40

Paper 1 Booklet A
Multiple Choice Questions

Questions 1 to 10 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4).
Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)

1. What improper fraction does the following represent?



(1) $\frac{5}{2}$

(2) $\frac{8}{4}$

(3) $\frac{16}{8}$

(4) $\frac{24}{20}$

2. $\frac{5}{9} + \frac{2}{3} =$?

Find the answer in the box.

(1) $\frac{7}{9}$

(2) $\frac{7}{12}$

(3) $1\frac{2}{9}$

(4) $2\frac{5}{9}$

3. I am thinking of 2 numbers.
The only common factors are 1, 2 and 4. One of the numbers is 12.
What is the other number?

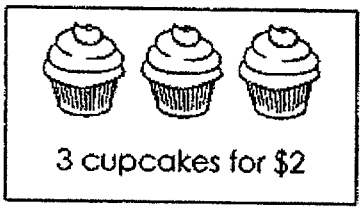
(1) 18

(2) 26

(3) 30

(4) 44

4. Mei Ling was selling cupcakes at 3 for $2.
She received $10 from selling cupcakes.
How many cupcakes did she sell?



(1) 5

(2) 15

(3) 30

(4) 60

5. Ali spent $\frac{1}{2}$ of his money on a thermometer and $\frac{1}{6}$ of it on a box of masks. He had $20 left. How much did Ali spend on the masks?

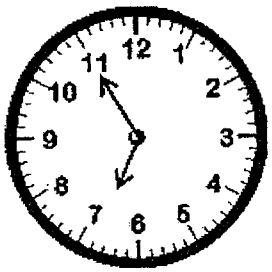
(1) $10

(2) $20

(3) $40

(4) $60

6. A bus left Station A at the time shown below.



It travelled 20 minutes before it reached Station B.
What time did the bus reach Station B?

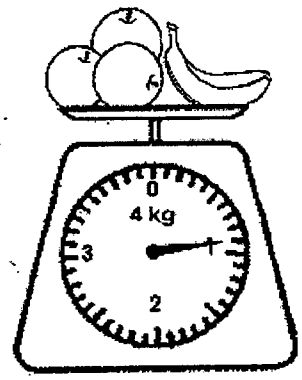
(1) 5 minutes to 7

(2) 5 minutes to 8

(3) 15 minutes past 7

(4) 20 minutes past 6

7. What is the mass of the banana if each orange has a mass of 250 g?



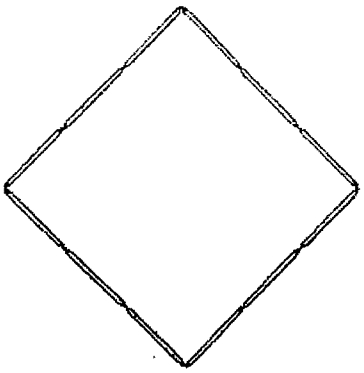
(1) 150 g

(2) 650 g

(3) 750 g

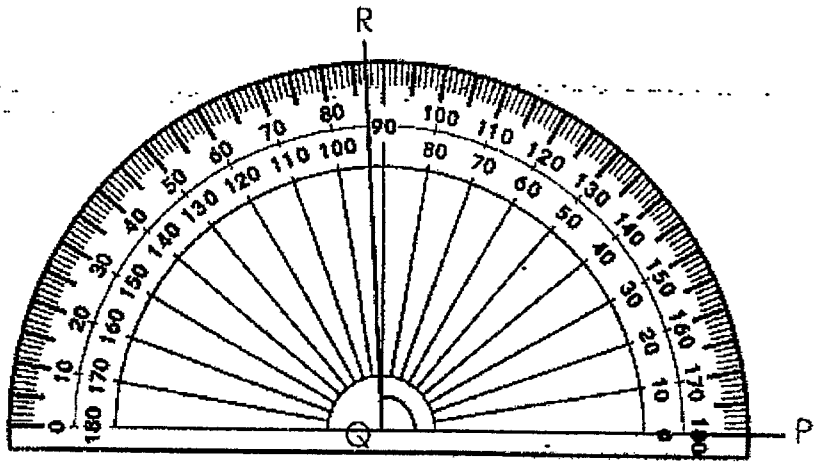
(4) 900 g

8. Tom used some toothpicks to form a square.
Each toothpick is 5 cm long.
What is the perimeter of the square?



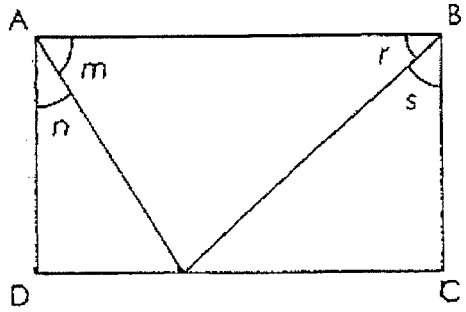
(1) 12 cm
(2) 17 cm
(3) 48 cm
(4) 60 cm

9. What is the size of ∠PQR?



(1) 87°
(2) 93°
(3) 107°
(4) 180°

10. Which one of the following statements about the rectangle shown is correct? (The figure is not drawn to scale.)



(1) $\angle m + \angle n + \angle r + \angle s = 180^\circ$

(2) $\angle n + \angle s = \angle m + \angle r$ X

(3) $\angle r + \angle s = 45^\circ$

(4) $\angle s$ is smaller than $\angle n$.

Paper 1 Booklet B
Short Answer Questions
Questions 11 to 30 carry 2 marks each. Write your answers in the boxes provided. For questions which require units, give your answers in the units stated. (40 marks)

11. Write 53 049 in words.

12. 27 thousands = _____ hundreds

13. Round 41 598 to the nearest ten.

14. ? ÷ 6 = 100 R9

What is the missing number in the box?

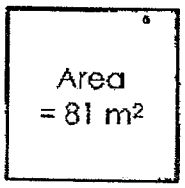
15. What does A represent?

$$2 - \frac{\boxed{A}}{8} = 1\frac{5}{8}$$

16. The number of sweets David has is between 40 and 80.
He can put all the sweets into bags of 5 or 7 without any remainder.
How many sweets does David have?

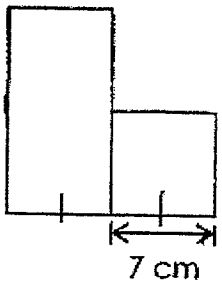
17. A pair of slippers costs $8.85 and a shirt costs $19.50.
Ismail only has two $10 notes.
How much more money does he need to buy the two items?

18. The area of the square is 81 m^2. Find its length.



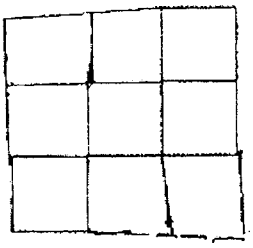
m

19. The figure below is made of a rectangle and a square.
The area of the rectangle is twice the area of the square.
Find the perimeter of the figure.

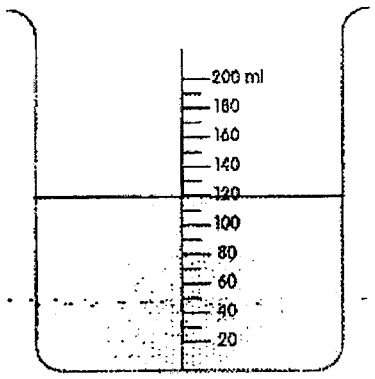


cm

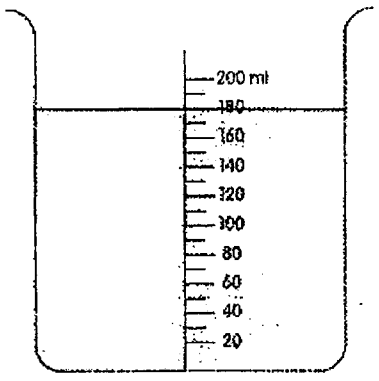
20. The figure below is made up of 4 identical squares. Without moving any of the squares in the figure, what is the least number of squares that must be added to make a larger square?



21. There is some water in Beaker X and Beaker Y.



Beaker X

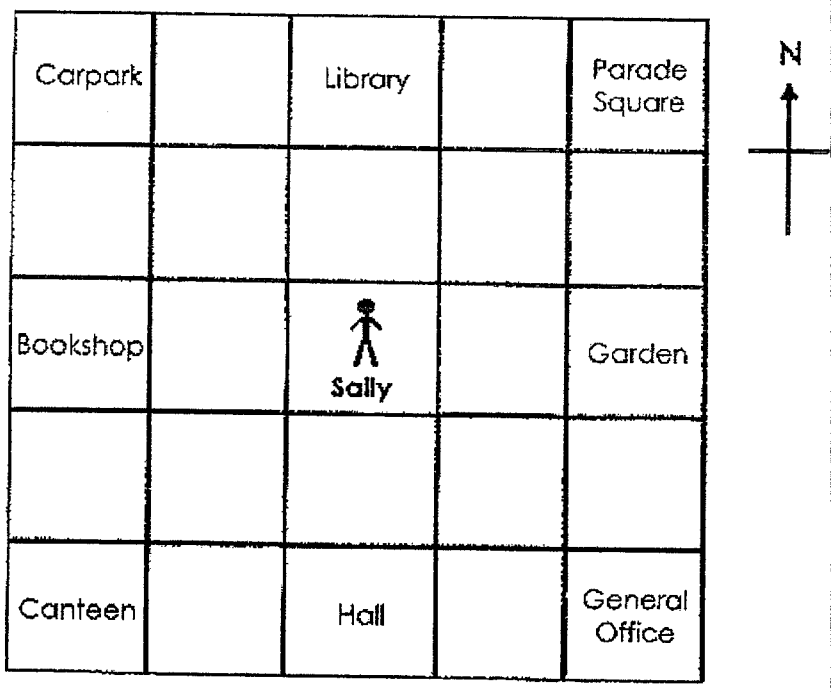


Beaker Y

How much water must be poured from Beaker Y to Beaker X so that both beakers will have the same amount of water?

ml

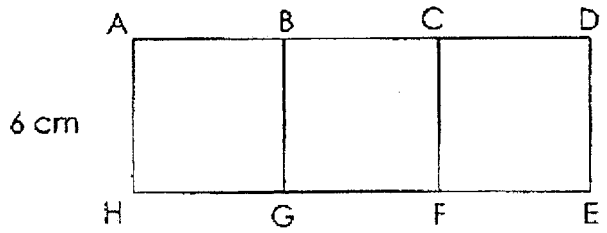
Refer to the diagram of a school below to answer **questions 22 and 23.**



22. Sally is standing in the middle of the school and is facing south-east. Where will she face when she turns 45° clockwise?

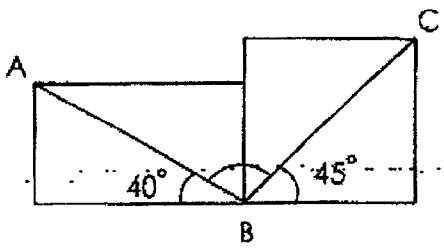
23. Sally is now facing west. How many right angles in the anti-clockwise direction must she turn to face the Garden?

24. The figure below is made up of 3 identical squares.
Find the length of HE.



cm

25. The figure is not drawn to scale.
It is made up of a rectangle and a square. Find ∠ABC.



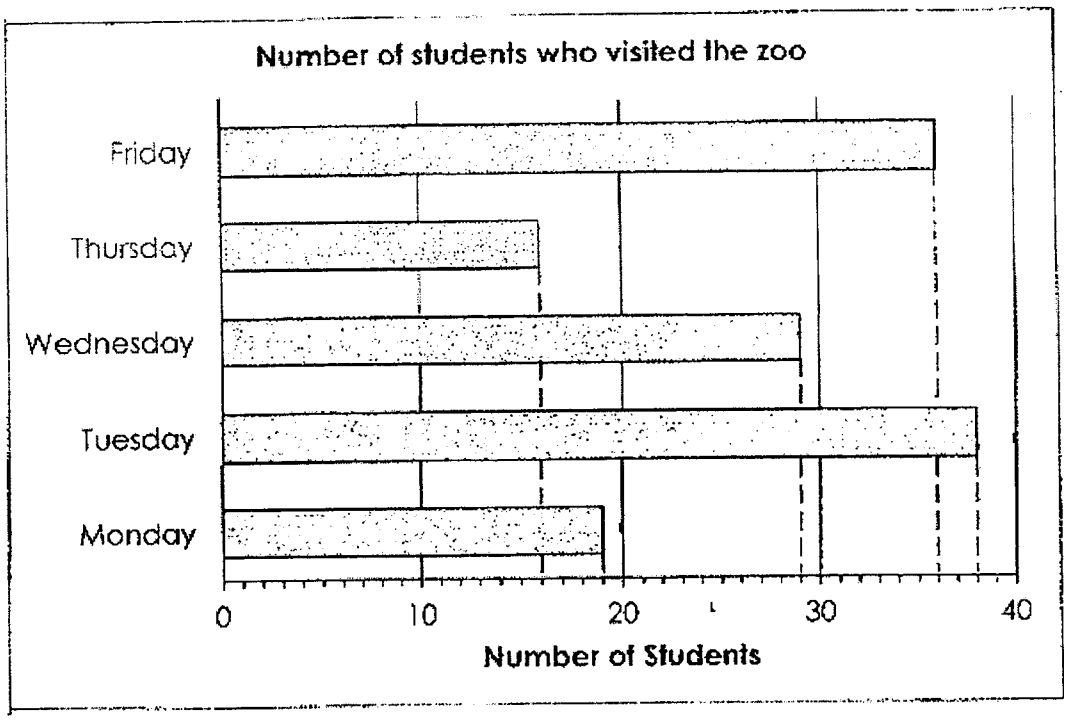
°

26. Write $\frac{14}{10}$ as a mixed number in its simplest form.

27. What digit does ☺ represent?

$$\begin{array}{r} 2\ \text{☺}\ 7\ 9 \\ \times \qquad\quad 3 \\ \hline 7\ \text{☺}\ 3\ 7 \end{array}$$

The bar graph below shows the number of students who visited the zoo from Monday to Friday in a certain week. Study the graph carefully and answer **questions 28, 29 and 30.**



28. How many fewer students visited the zoo on Wednesday than on Friday?

29. On which day was the number of students who visited the zoo half as many as that on Tuesday?

30. Each of the statements below is either *true*, *false* or *not possible to tell* from the information given. For each statement, put a tick (✓) to indicate your answer.

	Statement	True	False.	Not possible to tell
a)	The number of students who visited the zoo on Friday is greater than the total number of students who visited on Monday and Thursday.			
b)	The total number of students who visited the zoo from Monday to Friday is fewer than those who visited on Saturday and Sunday.			

End of Paper 1

2022 PRIMARY 4 MID-YEAR EXAMINATION

Name: _____ ( ) Date: 11 May 2022

Class: Primary 4 ( ) Time: 11.00 a.m. – 12.00 p.m.

Parent's Signature: _____

MATHEMATICS

PAPER 2

40

INSTRUCTIONS TO CANDIDATES

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Show your working clearly as marks are awarded for correct working.
6. The duration for Paper 2 is 1 hour.

Questions 1 to 10 carry 4 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

1. A chair cost $209 and a table cost three times as much as the chair. Mr Lee bought 4 chairs and a table.

a) Find the cost of a table.

a) The cost of _____.

Ans: a) _____

b) How much did Mr Lee spend altogether?

b) Mr Lee Spent _____.

Ans: b) _____

2. Mr Raj had 160 boxes of pencils. There were 48 pencils in each box. He sold 95 boxes of pencils.

a) How many pencils were sold?

a) _____.

Ans: a) _____

b) How many pencils were left unsold?

b) _____

Ans: b) _____

3. Lisa has 1490 beads and Meitri has 266 beads. How many beads must Lisa give Meitri so that Lisa will have 128 more beads than Meitri?

Lisa must _____ Meitri _____.

Ans: _____

4. Aunt Julia bought 940 g of peanuts. She gave $\frac{1}{2}$ of them to her sister and $\frac{1}{4}$ of them to her brother. How many grams of peanuts did Aunt Julia give away altogether?

Aunt Julia _____

Ans: _____

5. Andy is 16 cm taller than Brian. Brian is 28 cm shorter than Vik. Vik is 1m 75 cm tall.

a) How tall is Brian? *Give your answer in metres and centimetres.*

a) Brian is _____

Ans: a) _____

b) What is the difference in height between Andy and Vik?

b) The difference _____

Ans: b) _____

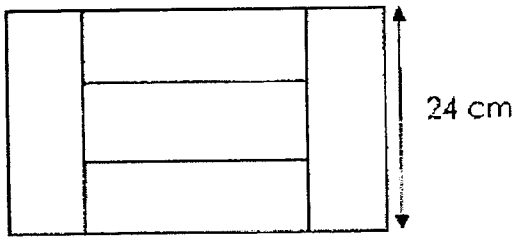
6. Sharon has $85 which is made up of $2, $5 and $10 notes.
What is the greatest number of notes that she has?

The greatest number _____

Ans: _____

7. The figure below is made up of 5 identical rectangles.
The length of each rectangle is 24 cm.

a) Find the area of each rectangle.



a) The area _____

Ans: a) _____

b) Find the perimeter of the figure.

b) The perimeter _____

Ans: b) _____

8. Wenlong started saving some money on Monday.
Each day, he saved $12 more than the day before.
By Friday of the same week, he had saved a total of $715.
How much money did he save on Monday?

Wenlong

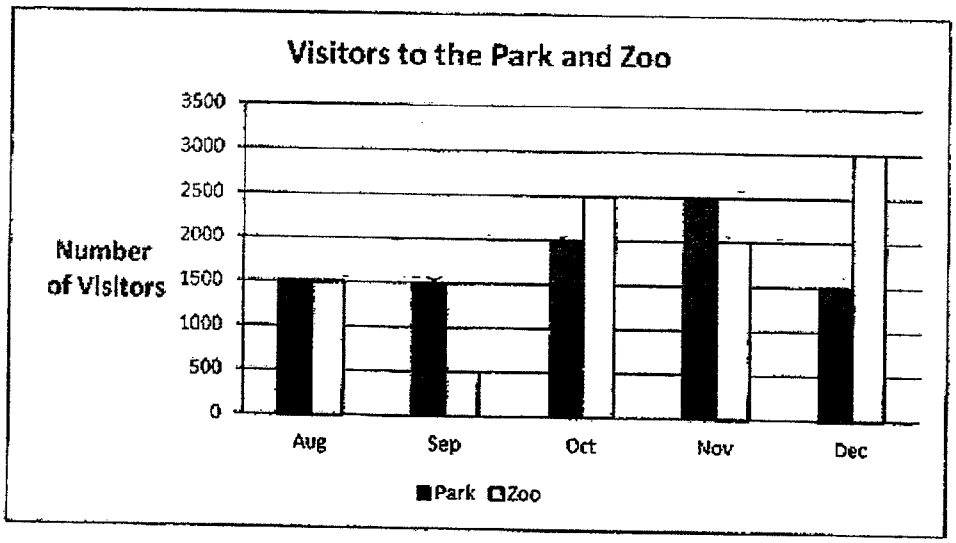
Ans:

9. Meiling and Kaiming had 4169 stickers at first. After Meiling gave away 215 stickers, Kaiming had 5 times as many stickers as Meiling. How many stickers did Meiling have at first?

Meiling had _____.

Ans: _____

10. The bar graph below shows the number of visitors to the Park and Zoo in 5 months.



a) In which month was the number of visitors to the Park the same as the number of visitors to the Zoo?

Ans: a) _____

b) In which month was the number of visitors to the Park three times the number of visitors to the Zoo?

Ans: b) _____

c) In which month(s) were there more visitors to the Zoo than the Park?

Ans: c) _____

d) How many more visitors visited the Park than the Zoo in November?

Ans: d) _____

End of Paper 2

SCHOOL : TAO NAN PRIMARY SCHOOL

LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2022 SA1

BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	3	4	2	1	3	1	4	2	1

BOOKLET B

Q11)	Fifty-three thousand and forty-nine
Q12)	270
Q13)	41600
Q14)	609
Q15)	3
Q16)	70 sweets
Q17)	$28.35 - $20.00 = $8.35
Q18)	9 m
Q19)	56 cm
Q20)	5 more squares
Q21)	30 ml
Q22)	Hall
Q23)	2
Q24)	18 cm
Q25)	95°
Q26)	$1\frac{2}{5}$

Q27)	4
Q28)	36 – 29 = 7
Q29)	Monday
Q30)	a)True b)Not possible to tell

Paper 2

Q1)	a)209 x 3 = 627 The cost of a table is $627 b)209 x 4 = 836 836 + 627 = $1463 Mr Lee spent $1463 altogether.
Q2)	a)95 x 48 = 4560 4560 pencils were sold b)160 x 48 = 7680 7680 – 4560 = 3120 3120 pencils were unsold.
Q3)	1490 – 266 = 1224 1224 – 128 = 1096 1096 ÷ 2 = 548 Lisa must give 548 beads to Meitri.

Q4)	½ = $\frac{2}{4}$ $\frac{2}{4}$ + ½ = ¾ 4 unit = 940 1 unit = 940 ÷ 4 = 235 3 unit = 235 x 3 = 705 Aunt Julia gave away 705g peanuts.
Q5)	a) 1m 75cm – 28cm = 1m 47cm Brian is 1m 47cm tall. b) 1m 47cm + 16cm = 1m 63cm 1m 75cm – 1m 63cm = 12cm The difference Andy and Vik height is 12cm.
Q6)	$85 – $10 – $5 = $70 $70 ÷ 2 = 35 35 + 1 + 1 = 37 The greatest number of notes Sharon can get is 37 notes.
Q7)	a) 24cm ÷ 3 = 8cm 24cm x 8cm = 192cm2 The area is 192cm2 b) 24cm x 4 = 96cm 8cm x 4 = 32cm 96cm + 32cm = 128cm The perimeter is 128cm

Q8)	$12 x 10 = $120 $715 – $120 = $595 $595 ÷ 5 = $119 Wenlong saved $119 on Monday.
Q9)	4169 – 215 = 3954 3954 ÷ 6 = 659 659 + 215 = 874 Meiling had 874 stickers at first.
Q10)	a) August b) September c) Oct , Dec d) 2500 – 2000 = 500