10

Maha Bodhi School
2023 End-of-Year Examination
Primary 4
Mathematics
Booklet A

Name : _____ ( )

Class : Primary 4 _____

Date : 24 October 2023

Total Duration for Booklets A and B: 1 h 45 min

INSTRUCTIONS TO CANDIDATES:

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Shade your answers in the Optical Answer Sheet (OAS) provided.

This booklet consists of **10** printed pages.

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Section A (40 marks)

Questions **1** to **20** 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) and shade your answer on the Optical Answer Sheet.

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1. The value of the digit 2 in 72 346 is _____.

   (1) 20
   (2) 200
   (3) 2000
   (4) 20 000

2. 28 549 rounded to the nearest hundred is _____.

   (1) 28 500
   (2) 28 550
   (3) 28 600
   (4) 29 000

3. How many one-fifths are there in 3 wholes?

   (1) $\frac{3}{5}$
   (2) $1\frac{2}{3}$
   (3) 5
   (4) 15

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4. Find the value of $\frac{5}{12} - \frac{1}{3}$.

(1) $\frac{1}{12}$

(2) $\frac{1}{6}$

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

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

5. In which of the following numbers does the digit 4 stand for 4 tenths?

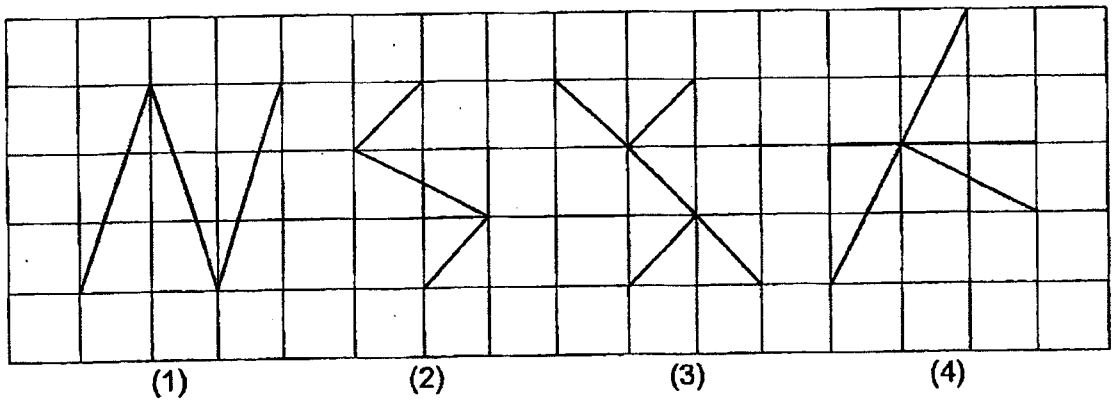
(1) 14.53

(2) 23.84

(3) 30.42

(4) 48.06

6. Which of the following figures in the square grid below has both parallel lines and perpendicular lines?



(1) (2) (3) (4)

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7. Arrange the following fractions in order, beginning with the greatest.

$$\frac{3}{4} \quad , \quad \frac{7}{12} \quad , \quad \frac{7}{8}$$

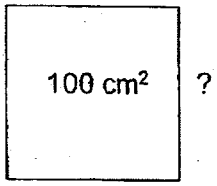
(1) $\frac{7}{8}$, $\frac{3}{4}$, $\frac{7}{12}$

(2) $\frac{7}{12}$, $\frac{7}{8}$, $\frac{3}{4}$

(3) $\frac{7}{8}$, $\frac{7}{12}$, $\frac{3}{4}$

(4) $\frac{7}{12}$, $\frac{3}{4}$, $\frac{7}{8}$

8. The area of a square is 100 cm^2. Find its length.



(1) 10 cm

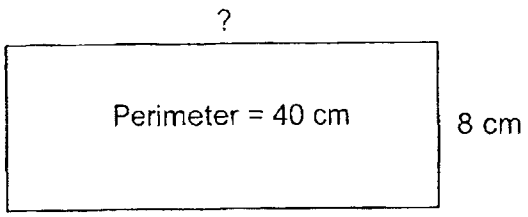
(2) 20 cm

(3) 25 cm

(4) 40 cm

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9. The perimeter of a rectangular piece of cardboard is 40 cm.
Its breadth is 8 cm. What is the length of the cardboard?



(1) 5 cm
(2) 12 cm
(3) 24 cm
(4) 32 cm

10. Coreen took 50 minutes to complete her work. She finished her work at 12 00.
Express her starting time using the 12-hour clock.

(1) 11.10 a.m.
(2) 11.50 a.m.
(3) 12.50 a.m.
(4) 12.50 p.m.

11. What is 190 tens more than 79 090?

(1) 70 990
(2) 79 280
(3) 80 280
(4) 80 990

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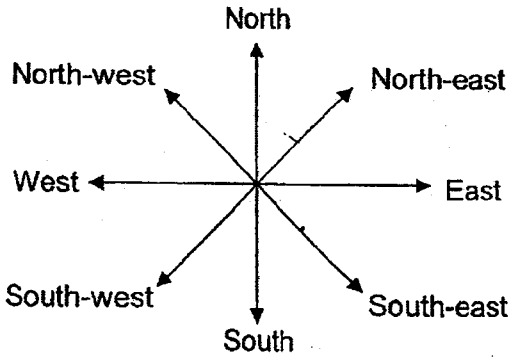
12. Find the sum of 0.35 and 4 tenths.

(1) 0.39
(2) 0.75
(3) 4.35
(4) 40.35

13. A tree is 5.9 m when its height is rounded to 1 decimal place.
Which of the following could be the actual height of the tree?

(1) 5.84 m
(2) 5.88 m
(3) 5.95 m
(4) 5.99 m

14. Kumar is facing south-west. He makes a $\frac{3}{4}$-turn in a clockwise direction.
Then, he turns through an angle of 45° in an anti-clockwise direction.
Which direction will he end up facing?



(1) North
(2) South
(3) East
(4) West

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15. Allison drew a four-sided figure with the properties below.

> It has two pairs of parallel lines.
> All of its angles are right angles.
> All of the sides are equal.

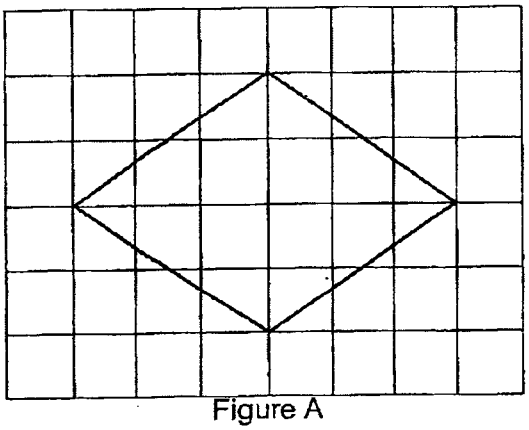


Figure A

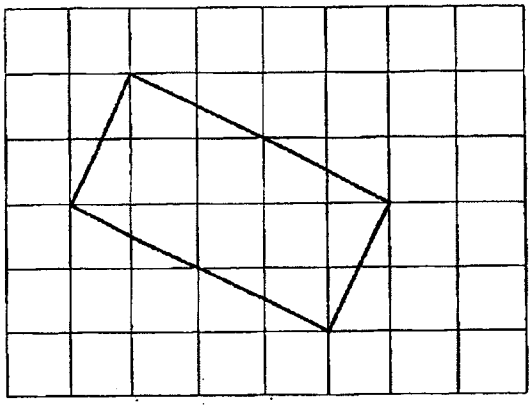


Figure B

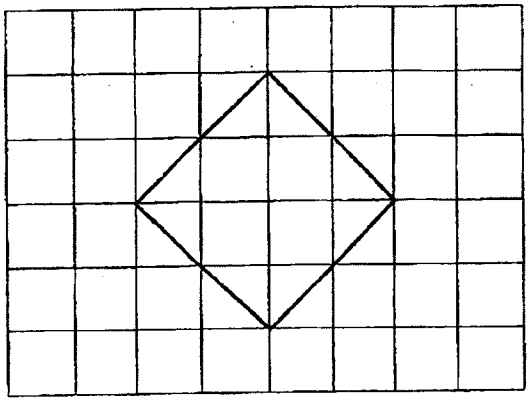


Figure C

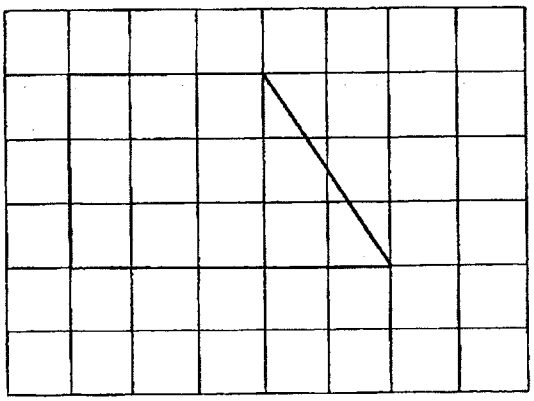


Figure D

Which figure fits these properties?

(1) Figure A

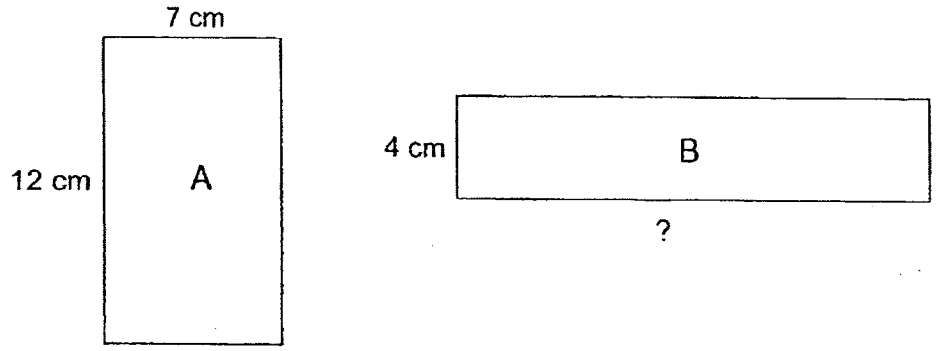
(2) Figure B

(3) Figure C

(4) Figure D

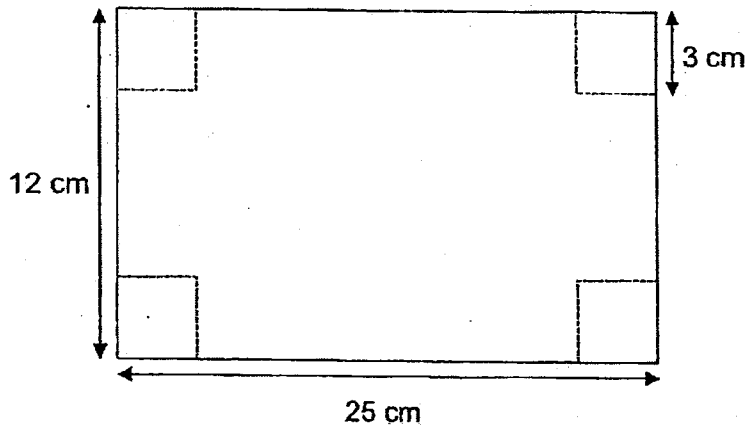
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16. The two rectangles below have the same area.
What is the length of Rectangle B?



(1) 15 cm
(2) 21 cm
(3) 38 cm
(4) 40 cm

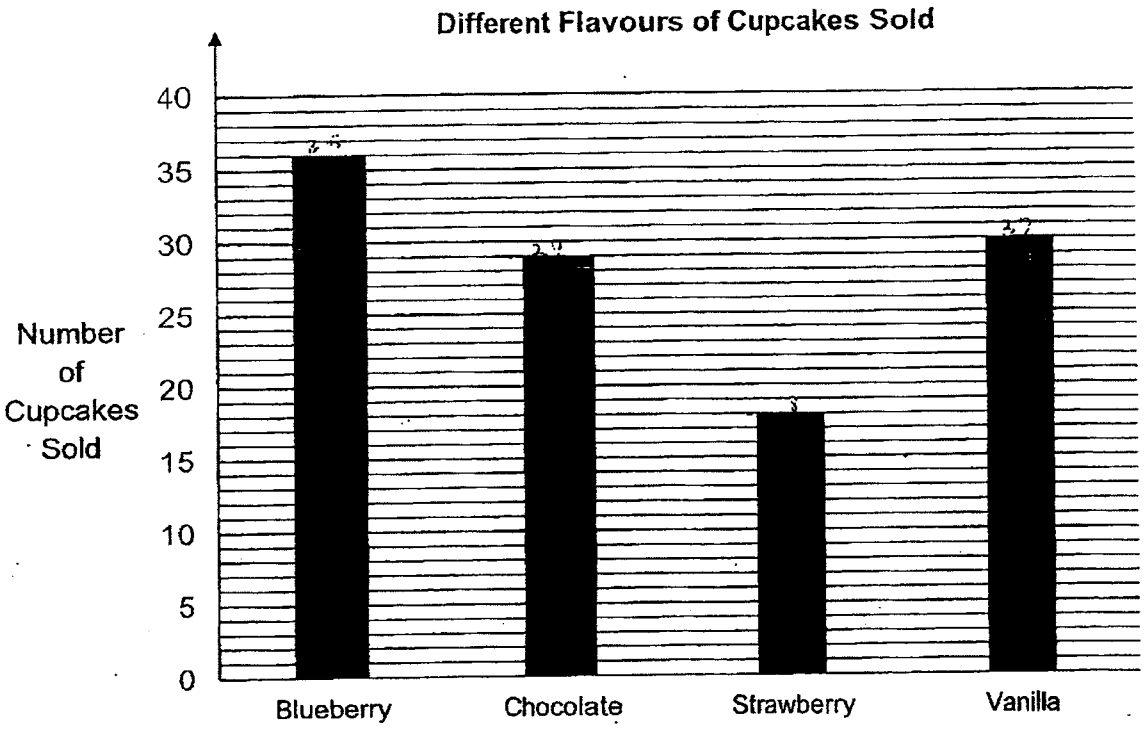
17. The figure shows a rectangle. Four squares of sides 3 cm are cut from the corners of the rectangle. What is the area of the remaining figure?



(1) 36 cm^2
(2) 74 cm^2
(3) 264 cm^2
(4) 300 cm^2

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18. The bar graph below shows the number of cupcakes sold by a baker in one morning. She bakes 40 cupcakes of each flavour.



Which of the following statements is true?

(1) She sold twice as many strawberry cupcakes as blueberry cupcakes.

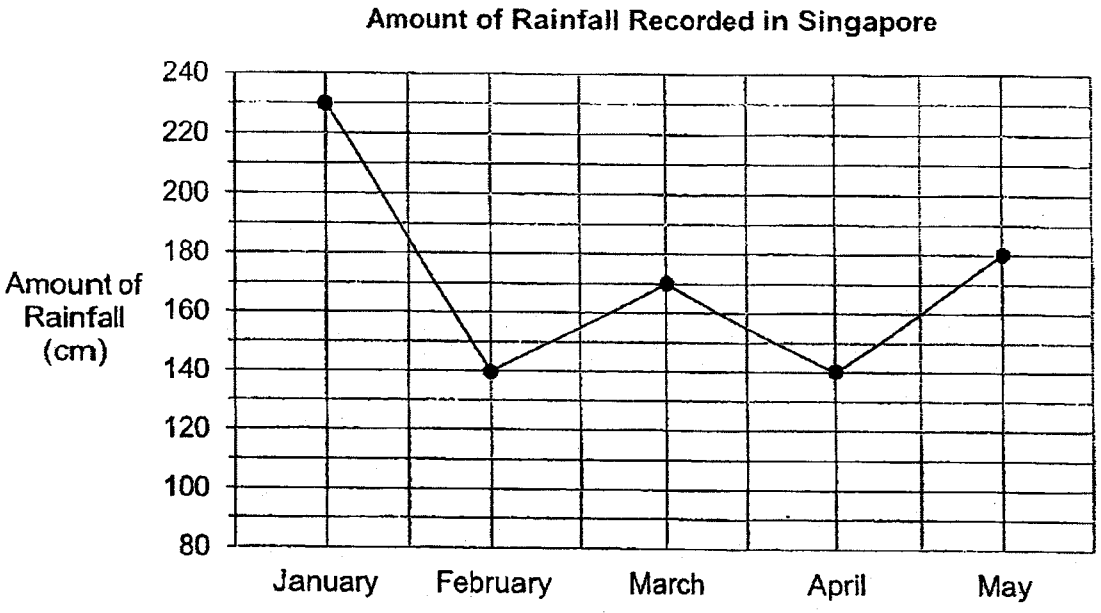
(2) She sold the same number of chocolate and vanilla cupcakes.

(3) She had more blueberry cupcakes than vanilla cupcakes left.

(4) She had the most number of strawberry cupcakes left.

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19. The line graph shows the amount of rainfall recorded in Singapore from January to May in a certain year.

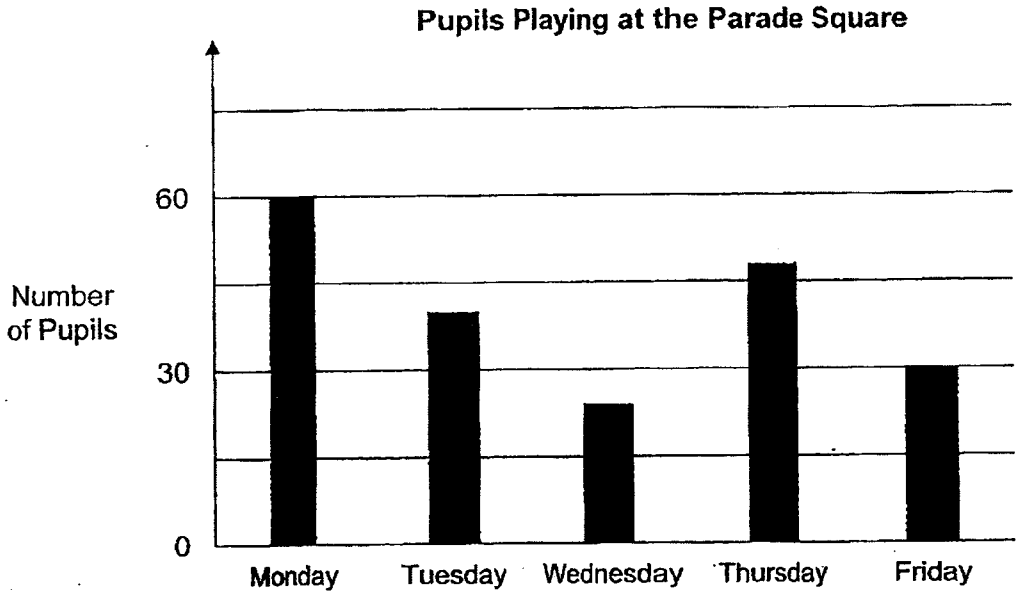


During which 1-month interval was there an increase of 30 cm in the amount of rainfall recorded?

(1) From January to February
(2) From February to March
(3) From March to April
(4) From April to May

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20. The bar graph shows the number of pupils playing at the Parade Square during the Primary 4 recess in the week.



Which of the following shows the possible number of pupils playing at the Parade Square on Wednesday and Thursday?

	Wednesday	Thursday
(1)	25	40
(2)	25	48
(3)	32	40
(4)	32	48

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Maha Bodhi School
2023 End-of Year Examination
Primary 4
Mathematics
Booklet B

Name : _____ ( )

Class : Primary 4 _____

Date : 24 October 2023

Total Duration for Booklets A and B: 1 h 45 min

INSTRUCTIONS TO CANDIDATES:

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Write your answers in this booklet.

Booklet	Marks Obtained	Max Marks
A		40
B		60
Total		**100**

Parent's signature: _____

This booklet consists of **14** printed pages.

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Section B (40 marks)

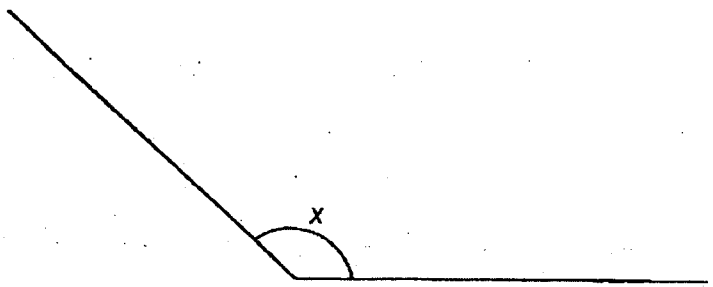
Questions **21** to **40** carry 2 marks each.
Show your working clearly and write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.

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21. Write six thousand and eight in figures.

Ans: _____

22. Measure and write down the size of $\angle x$.



Ans: _____ °

23. $\frac{3}{4} = \frac{9}{\square}$

What is the missing number in the box?

Ans: _____

/ 6

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24. $5.3 - 0.61 =$ _____

Ans: _____

25. What is the remainder when 1120 is divided by 9?

Ans: _____

26. Arrange these numbers from the smallest to the greatest.

0.784 , 8.4 , 0.804 , 0.095

Ans: _____ , _____ , _____ , _____
(smallest) (greatest)

/ 6

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27. Some factors of 32 are 1, 2, 8 and 32. What are the other two factors of 32?

Ans: _____ and _____

28. Find the value of 7.52×8 .

Ans: _____

29. Which two fractions below are in the simplest form?

$$\frac{3}{9}\ ;\ \frac{2}{5}\ ,\ \frac{2}{6}\ ,\ \frac{3}{8}$$

Ans: _____ and _____

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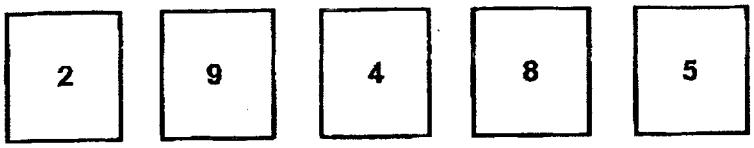
30. The table below shows the number of pens and files sold at a school bookshop in a week.

	Number of pens sold	Number of files sold
Monday	20	8
Tuesday	12	8
Wednesday	15	4
Thursday	18	5
Friday	10	6

On which day was the difference between the number of pens sold and the number of files sold the greatest?

Ans: _____

31. Use all the digits given below to form the greatest odd number.



Ans: _____

/ 4

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32. Mrs Lee mixed 1.4 ℓ of orange syrup with 3.16 ℓ of water.
She poured the mixture equally into 4 bottles.
How many litres of the mixture were there in each bottle?

Ans: _____ ℓ

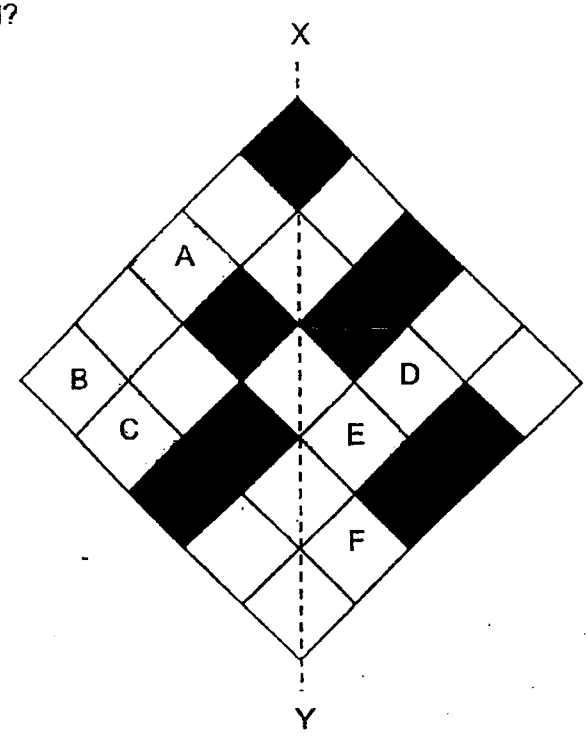
33. The mass of 4 similar boxes was 5.04 kg. 2 boxes were removed.
What was the mass of the new stack of boxes?

Ans: _____ kg

/ 4

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34. In the figure below, the dotted line XY is a line of symmetry.
Name the three squares that need to be shaded to make the figure symmetrical?



Ans: Squares _____ , _____ , _____

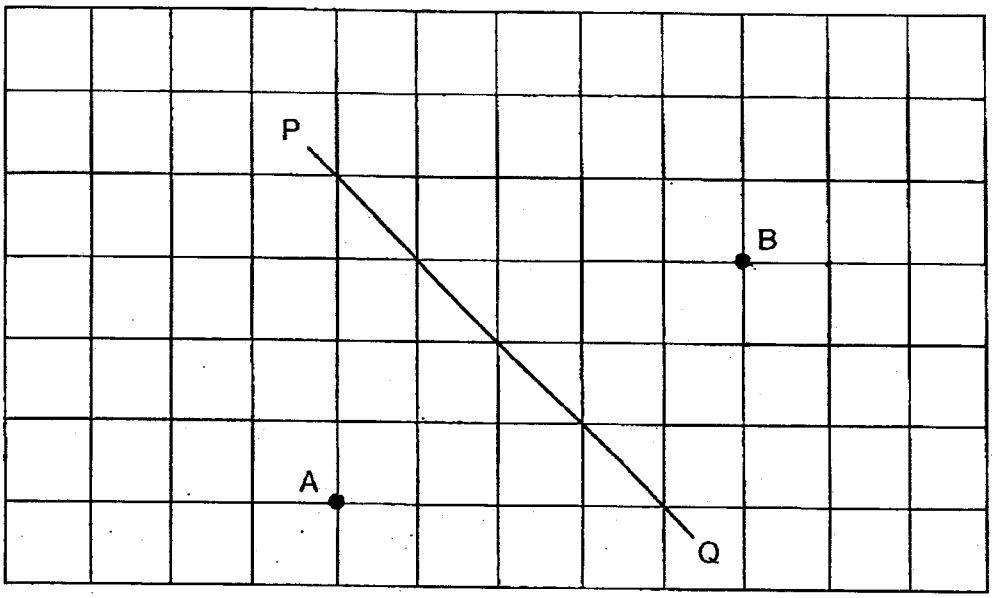
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35. In the square grid below, Line PQ has been drawn.

(a) Draw a line that is perpendicular to the line PQ passing through point A.

(b) Draw a line that is parallel to the line PQ through point B.



36. Benny is thinking of a two-digit number.

The digit in its ones place is twice the digit in its tens place.

Indicate with a tick (✓) if the following statements about the two-digit number are true or false.

Statement	True	False
The number is an even number.		
The number can be divided exactly by 5.		

/ 4

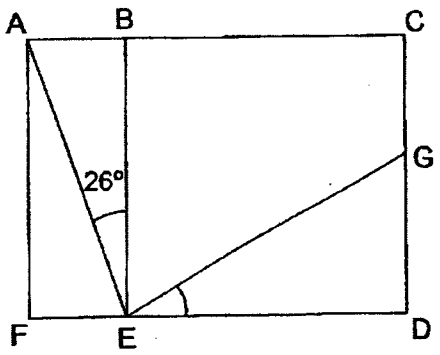
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37. A fruit seller had 170 pears and oranges altogether.

After he sold $\frac{2}{3}$ of the pears and 14 oranges, he had an equal number of pears and oranges left. How many oranges were there in the end?

Ans: _____

38. The figure is made up of 2 rectangles, ABEF and BCDE.
$\angle AEB = 26°$ and $\angle BEG$ is twice of $\angle AEB$. Find $\angle GED$.

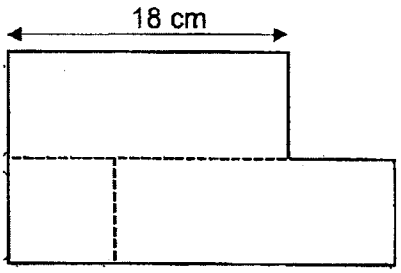


Ans: _____ °

/ 4

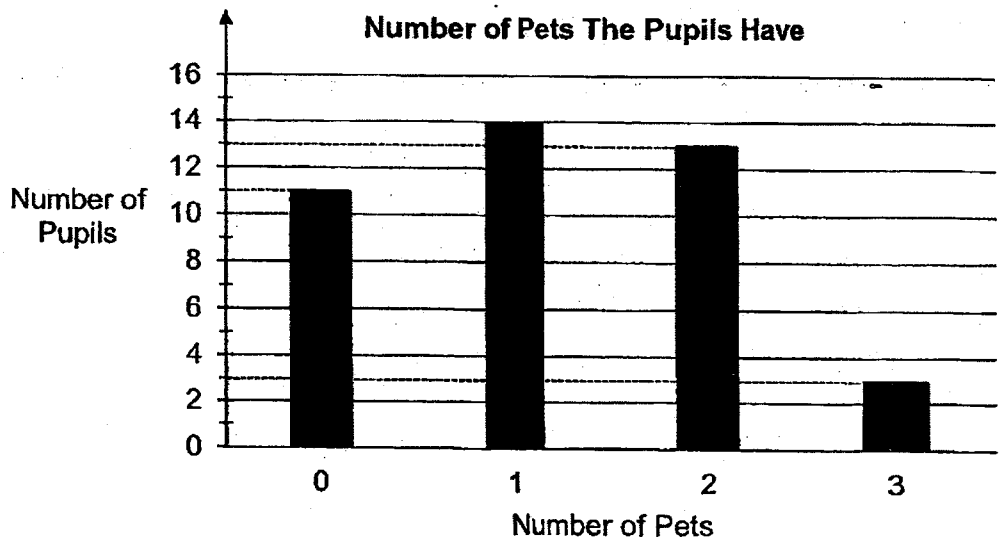
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39. The figure is made up of 2 identical rectangles and 1 square.
The length of the rectangle is 18 cm. The area of the square is 64 cm^2.
Find the perimeter of the figure.



Ans: _____ cm

40. The bar graph below shows the number of pets a class of pupils has at home.



How many pets do the pupils have altogether?

Ans:

/ 4

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Section C (20 marks)

Questions **41 to 45** carry 4 marks each.

Show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

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41. The following table shows the programme for the Children's Day celebration.

	Children's Day Celebration Programme
07 30 – 07 45	Flag-raising ceremony
07 45 – 07 55	Principal's speech
07 55 – 08 00	Mass Singing
08 00 – 08 10	Primary 4 Form Teachers' performance (Story-telling)
08 10 – 08 25	Primary 5 Form Teachers' performance (Skit)
08 25 – 08 40	Mass Singing
08 40 – 08 50	Primary 6 Form Teachers' Performance (Dance)
08 50	End of concert

(a) How long did the whole Children's Day celebration programme last?

Ans: (a) _____ [2]

(b) What was the total duration of the Form Teachers' performances?

Ans: (b) _____ [2]

/ 4

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42. At a bakery, muffins are sold at the following prices.



Nareen wants to order 57 muffins for a birthday party.

What is the least amount of money she will need to pay for the muffins?

Ans: _____ [4]

/ 4

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43. There were some sweets in a box.

Evelyn took $\frac{5}{8}$ of the sweets and Nigel took the rest.

Evelyn took 76 more sweets than Nigel.

(a) What fraction of the sweets did Nigel take?

Ans: (a) _____ [1]

(b) How many sweets were in the box at first?

Ans: (b) _____ [3]

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44. John and Peter had a total of $540.

After John gave Peter $40, he had five times as much money as Peter.

(a) How much money did Peter have in the end?

Ans: (a) _____ [2]

(b) How much money did John have at first?

Ans: (b) _____ [2]

/ 4

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45. In a library, there were English, Chinese and Malay books.
The number of English and Chinese books was 720.
The English books were twice as many as the Chinese books and three times as many as the Malay books.
Find the total number of books in the library.

Ans: _____ [4]



—— The End ——

Remember to check your work!

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SCHOOL : MAHA BODHI PRIMARY SCHOOL

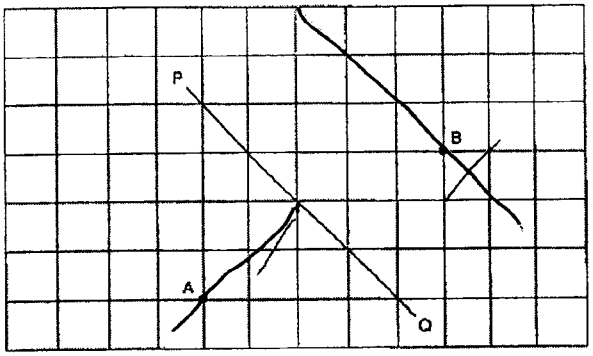
LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : SA2 2023

CONTACT :

Q1	Q2	Q3	Q4	Q5	Q 6	Q7	Q8	Q9	Q10
3	1	4	1	3	3	1	1	2	1
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
4	2	2	3	3	2	3	4	2	2

21)	6008
22)	138°
23)	12
24)	4.69
25)	4
26)	0.095, 0.784, 0.804, 8.4
27)	16 and 4
28)	60.16
29)	2/5 and 3/8
30)	Thursday
31)	98425
32)	$1.4 + 3.16 = 4.56$L $4.56 \div 4 = 1.14$L
33)	5.04 kg ÷ 2 = 2.52 kg
34)	A, E, C

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35)	a,b) 
36)	True False
37)	4units = 170 – 14 = 156 1unit = 156 ÷ 4 = 39
38)	<BEG = 26 x 2 = 52° 90 = 52 = 38°
39)	18cm + 8cm+8cm+8cm+18cm+8cm+8cm+8cm =18cm + 24cm + 18cm + 24cm = 42cm + 42cm =84cm
40)	1 x 14 = 14 2 x 13 = 26 3 x 3 = 9 14 + 26 + 9 = 49
41)	a)30min + 40min + 10min = 1h 20min b)10min + 15min + 10min = 35min

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42)	50 muffins → \$8.90 x 5 = \$44.50 56 muffins → \$44.50 + \$5.70 = \$50.20 57 muffins → \$50.20 + \$1.40 = \$51.60
43)	a) $1 - \frac{5}{8} = \frac{3}{8}$ b) $\frac{5}{8} - \frac{3}{8} = \frac{2}{8}$ $\frac{2}{8} \rightarrow 76$ $\frac{1}{8} \rightarrow 76 \div 2 = 38$ $\frac{8}{8} \rightarrow 38 \times 8 = 304$
44)	a) 6units = 540 1unit = 540 ÷ 6 = \$90 b) 5units = 90 x 5 = 450 450 + 40 = \$490
45)	9units = 720 1unit = 720 ÷ 9 = 80 11units = 880

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