RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2022 END OF YEAR EXAMINATION

MATHEMATICS

Name : _____ ( )

Class : Primary 3 / _____

Date : 28 OCT 2022

BOOKLET A

20 Questions
40 Marks
Duration of Paper : 1 hour 45 minutes

Note:

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this booklet, you should have the following:
   (a) Page 1 to Page 5
   (b) Questions 1 to 20

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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). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (40 marks)

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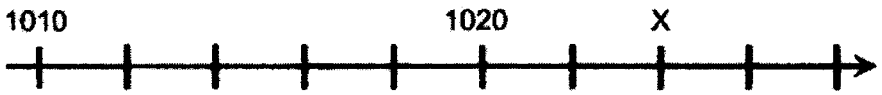
1 Which digit in 9876 is in the thousands place?

(1) 6
(2) 7
(3) 8
(4) 9

2 Which of the following is the same as 5021?

(1) 50 + 20 + 1
(2) 500 + 20 + 1
(3) 5000 + 20 + 1
(4) 5000 + 200 + 1

3 In the number line below, what is the value of X?



(1) 1022
(2) 1024
(3) 1030
(4) 1040

4 Which of the following is an odd number?

(1) 2641
(2) 3156
(3) 5792
(4) 6394

5 Find the value of 1000 – 89.

(1) 911
(2) 989
(3) 1089
(4) 1911

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6 What is the missing number in the number pattern?

82	70	58	46	?	22

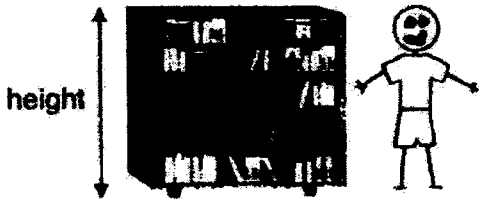
(1) 12
(2) 14
(3) 34
(4) 44

7 Which of the following is the smallest number that can be divided by 5 with no remainder?

(1) 5503
(2) 3530
(3) 3350
(4) 2051

8 The diagram shows Jimmy's bookshelf. Which of the following could be the height of Jimmy's bookshelf?

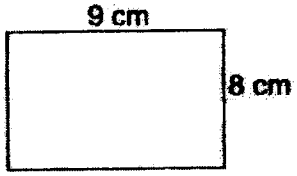
(1) 1 cm
(2) 5 cm
(3) 1 m
(4) 5 m



9 Express 135 minutes in hours and minutes.

(1) 1 h 35 min
(2) 2 h 15 min
(3) 2 h 25 min
(4) 3 h 15 min

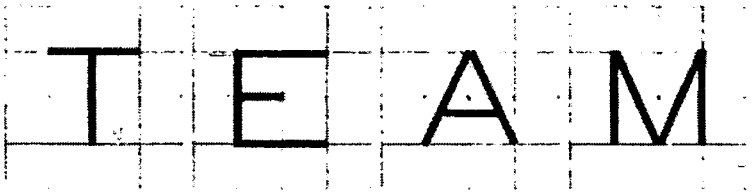
10 Find the perimeter of the rectangle shown below.



(1) 17 cm
(2) 34 cm
(3) 64 cm
(4) 72 cm

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11 Which of the letters contains both parallel and perpendicular lines?

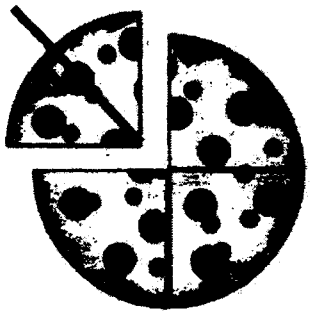


(1) T
(2) E
(3) A
(4) M

12 Which of the following fractions is closest to $\frac{1}{2}$?

(1) $\frac{1}{8}$
(2) $\frac{2}{8}$
(3) $\frac{3}{8}$
(4) $\frac{6}{8}$

13 Mother cut a pizza into four equal pieces. She then cut one of the four pieces equally and gave one smaller piece to each of her two children. What fraction of the pizza did each child get?



(1) $\frac{1}{2}$
(2) $\frac{1}{4}$
(3) $\frac{1}{5}$
(4) $\frac{1}{8}$

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The diagram below shows the prices of fruits sold at a fruits store. Use the diagrams to answer Questions 14 and 15.

	
2 for $1.50	3 for $1

14 Penny bought 6 pears. How much did Penny spend?

(1) $2.00
(2) $3.00
(3) $4.50
(4) $9.00

15 Mrs Sim bought 4 pears and 9 apples. How much did Mrs Sim pay for the fruits?

(1) $2.50
(2) $6.00
(3) $7.50
(4) $15.00

16 75 children wanted to take a boat ride at the River Safari together. Each boat can carry at most 6 children. What is the least number of boats needed for the 75 children?

(1) 12
(2) 13
(3) 14
(4) 15

17 Danny and William collected 60 stickers altogether. William collected 10 stickers more than Danny. How many stickers did Danny collect?

(1) 25
(2) 30
(3) 35
(4) 50

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18 Two numbers, P and Q add up to 200. P is a 2-digit number while Q is a 3-digit number. What is the smallest possible value of Q?

(1) 100
(2) 101
(3) 110
(4) 190

19 A bag of sugar weighs 2 kg. It is repacked equally into 4 bags. What is the mass of each bag of sugar in grams?

(1) 25 g
(2) 50 g
(3) 250 g
(4) 500 g

20 A repeated pattern is formed using the numbers 1 and 0. The first 12 numbers are shown below.

1	1	0	1	0	1	1	0	1	0	1	1	...
1st											12th	

What is the sum of the first 50 numbers?

(1) 5
(2) 25
(3) 30
(4) 50

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2022 END OF YEAR EXAMINATION

MATHEMATICS

Name : _____ ( )

Class : Primary 3 / _____

Date : 28 OCT 2022

BOOKLET B

25 Questions
60 Marks

In this booklet, you should have the following:
(a) Page 6 to Page 18
(b) Questions 21 to 45

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		40
BOOKLET B		60
TOTAL		100

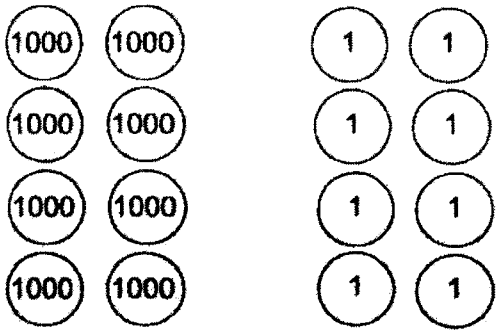
Parent's Signature : _____

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

(40 marks)

21 Write the number that is represented by the diagram below.



Ans: _____

22 Find the product of 312 and 6.

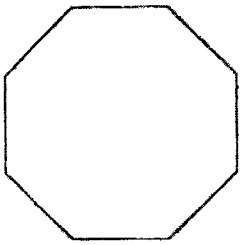
Ans: _____

23 Find the value of 4256 + 3352.

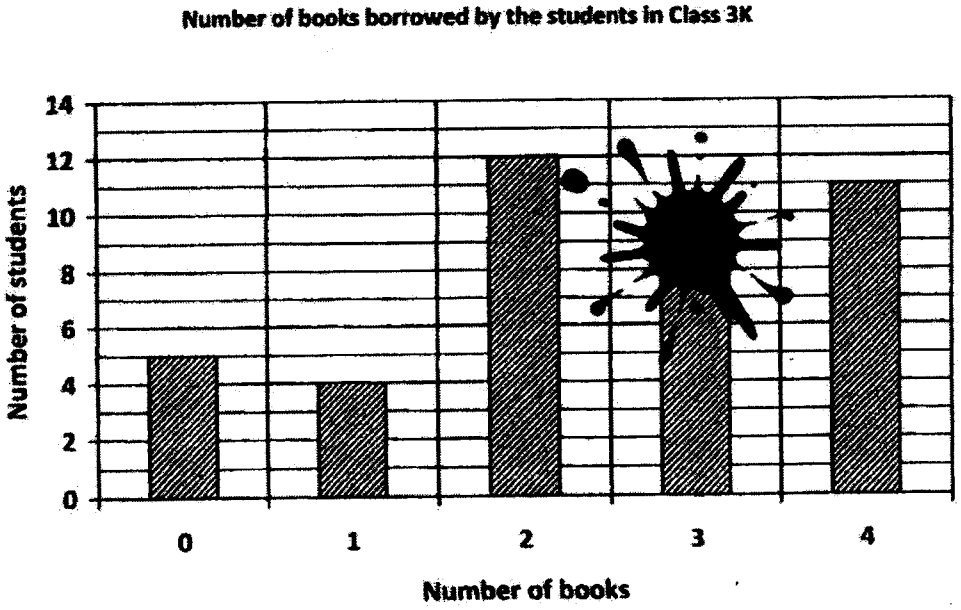
Ans: _____

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24 **Circle** the correct answer in the brackets.
There are only (**acute / right / obtuse**) angles found in the diagram below.



25 The bar graph below shows the number of books read by 40 students in Class 3K. Part of the graph is covered by ink.



Each of the statements below is either true or false based on the information given. For each statement, put a tick (✓) to indicate your answer.

Statement	True	False
There was 1 more student who borrowed 4 books than those who borrowed 2 books.		
Eight students borrowed 3 books.		

4

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26 Use all the digits 1, 5, 6 and 9 to form the smallest number between 5000 and 6000.

Ans: _____

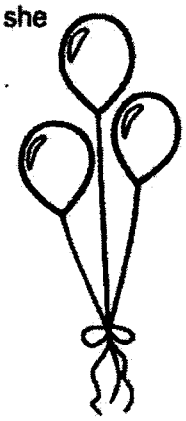
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27 Write the greatest 4-digit even number.

Ans: _____

---

28 Becky buys 6 bags of balloons for a party. There are 40 balloons in a bag. How many bunches of balloons does she get if she ties 3 balloons in a bunch?



Ans: _____

6

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29 Jamie bought a laptop during a sale. The cost of the laptop before the sale was $1699. How much change did Jamie receive if she paid the cashier $1500?



Ans: $ _____

---

30 Daphne exchanged $5 for 10 coins. All the coins had the same value. What was the value of each coin in cents?

Ans: _____ ¢

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31 The length of one piece of rope is 78 cm. What is the length of 8 such ropes? Give your answer in m and cm.



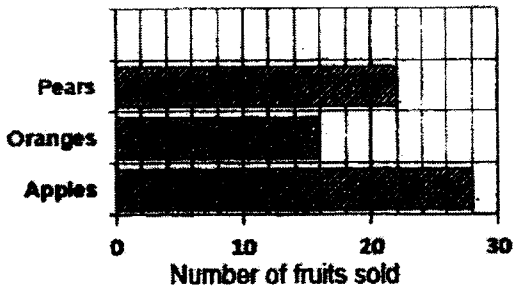
Ans: _____ m _____ cm

6

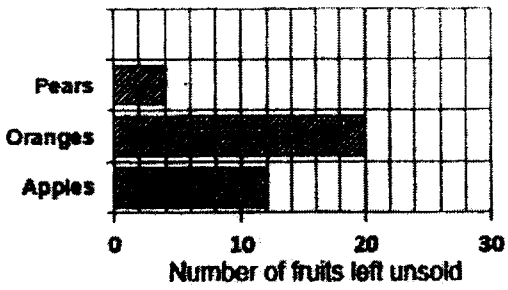
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A fruitseller sold some fruits at a store on a weekday. Graph 1 shows the number of fruits that were sold on that day. Graph 2 shows the number of fruits left unsold at the end of the day.
Use the graphs to answer Questions 32 and 33.

Graph 1



Graph 2



32 The shopkeeper sold _____ more apples than oranges.

Ans: _____

---

33 The shopkeeper had a total of _____ pears at the store at first.

Ans: _____

4

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34 Ling wrote 3 compositions in 2 hours. She took the same amount of time to write the first 2 compositions but took 30 minutes longer to write the third composition than the first. How many minutes did she take to write the first composition?

Ans: _____ min

---

35 A bottle can hold 1050 ml of water. A cup can hold 900 ml less water than the bottle. How much water can the cup hold?

Ans: _____ ml

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36 Figure A is a 4-sided figure with 4 equal sides. Figure B is formed by putting two of Figure A together. Find the perimeter of Figure B.

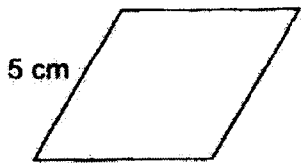


Figure A

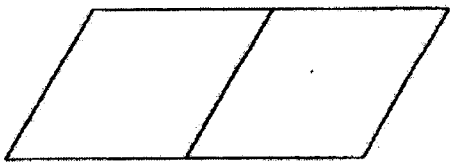
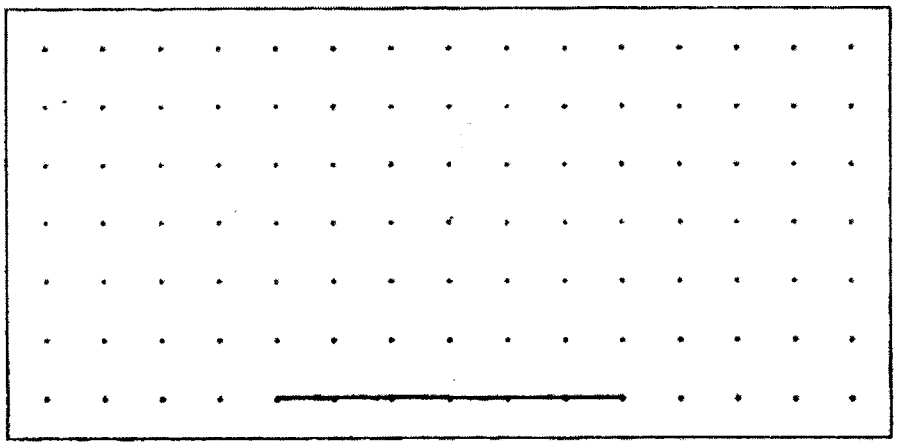


Figure B

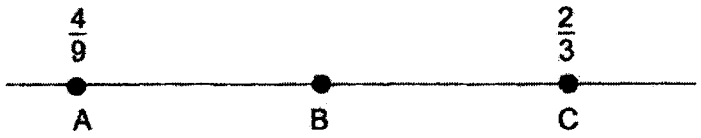
Ans: _____ cm

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37 By joining dots on the grid with 2 straight lines, draw a triangle with one obtuse angle and two acute angles in the space below.



38 In the number line below, A represents $\frac{4}{9}$, C represents $\frac{2}{3}$ and B is exactly between A and C. What fraction does B represent?



Ans: _____

39 Find the difference between the smallest and greatest fractions below.

$$\frac{3}{4} \cdot \frac{1}{2} \cdot \frac{7}{8}$$

Ans: _____

6

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40 Mother bought a pizza and sliced it into 12 equal pieces for a party.
Iris took 3 pieces of the pizza.
What fraction of the pizza did Iris take?
Express your answer as a fraction in its simplest form.

Ans: _____

2

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For questions 41 to 45, show your working clearly in the space below each question and write your answers in the spaces provided. (20 marks)

41 There were 68 tables and 3 times as many chairs in a storeroom.

(a) How many chairs were there in the storeroom?

(b) How many tables and chairs were there altogether?

Ans: (a) _____ [2]

(b) _____ [2]

4

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42 Ben and Jerry bought some egg tarts from a bakery. Ben bought 6 more egg tarts and paid $12 more than Jerry. How many egg tarts did Jerry buy if he paid a total of $98?

Ans: _____ [4]

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43 The figure shows the opening hours of a dental clinic.



Opening hours	
Morning	8.00 a.m. to 12.00 p.m.
Afternoon	1.30 p.m. to 5.00 p.m.
Evening	7.30 p.m. to 9.30 p.m.

(a) How long is the dental clinic open in the afternoon?

(b) Nikki visited the dentist last evening. She spent 1 h 15 min in the clinic and left the clinic at 9.30 p.m. What time did she reach the clinic?

Ans: (a) _____ [2]

(b) _____ [2]

4

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44 Jack and Ken have some toy cars. After Jack gives 20 toy cars to Ken, he has 23 toy cars more than Ken. How many more toy cars does Jack have than Ken at first?

Ans: _____ [4]

4

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45 Figure 1 shows a square divided into two smaller squares W and Y and two rectangles X and Z. The length of Square W is 7 cm and the length of Square Y is 4 cm.

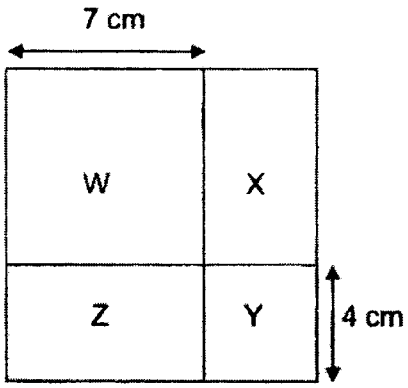


Figure 1

(a) What is the area of Rectangle Z?

(b) What is the perimeter of Figure 1?

Ans: (a) _____ [2]

(b) _____ [2]

End of Paper

Have you checked your paper? ☺

4

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EXAM PAPER 2022

LEVEL	:	**PRIMARY 3**
SCHOOL	:	**RED SWASTIKA SCHOOL**
SUBJECT	:	**MATHEMATICS**
TERM	:	**EOY**

BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7
4	3	2	1	1	3	3
Q8	Q9	Q10	Q11	**Q12**	**Q13**	**Q14**
3	2	2	2	3	4	3
Q15	Q16	**Q17**	Q18	**Q19**	**Q20**	
2	2	1	2	4	3	

BOOKLET B

Q21. 8008

Q22. 1872

Q23. 7608

Q24. Obtuse

Q25. False, True

Q26. 5169

Q27. 9998

Q28. 80

Q29. $1

Q30. 50¢

Q31. 6 m 24 cm

Q32. 12

Q33. 26

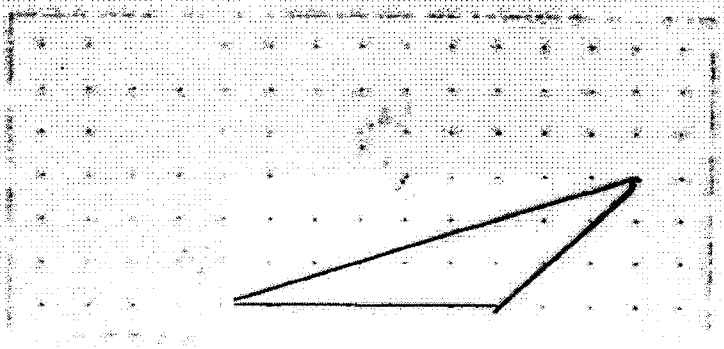
Q34. 30 mins

Q35. 150 mℓ

Q36. 30 cm

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Q37.



Q38. $\frac{5}{9}$

Q39. $\frac{3}{8}$

Q40. $\frac{1}{4}$

Q41. a) $3 \times 68 = 204$

b) $4 \times 68 = 274$

Q42. $12 \div 6 = 2$

$98 \div 2 = 49$

Q43 a) 3 h 30 mins

b) 8.15 pm

Q44. $20 + 20 + 23 = 63$

Q45. a) $7 \times 4 = 28\ cm^2$

b) $7 + 4 = 11$

$11 \times 4 = 44\ cm$

END

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