NANYANG PRIMARY SCHOOL

END-OF-YEAR EXAMINATION 2021

PRIMARY 4

MATHEMATICS
(BOOKLET A)

Total Duration for Booklets A and B: 1 hour 45 minutes

Additional materials: Optical Answer Sheet (OAS)

INSTRUCTIONS TO PUPILS

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.

Name: _____ ( )

Class: Primary 4 ( )

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Questions 1 to 15 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. (30 marks)

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1. The value of the digit 8 in 21 789 is _____.

(1) 80 000

(2) 8000

(3) 800

(4) 80

2. 30 000 + 4000 + 600 + 5 = _____

(1) 34 650

(2) 34 605

(3) 34 065

(4) 30 465

3. Which of the following is a multiple of 9?

(1) 18

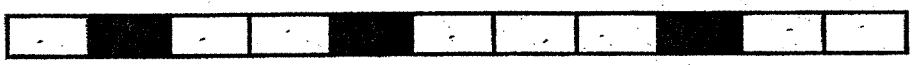
(2) 25

(3) 3

(4) 39

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4. The figure shown is made up of identical rectangles. What fraction of the figure is shaded?



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

(2) $\frac{3}{10}$

(3) $\frac{3}{11}$

(4) $\frac{8}{11}$

5. In which of the following numbers does the digit 3 stand for 3 tenths?

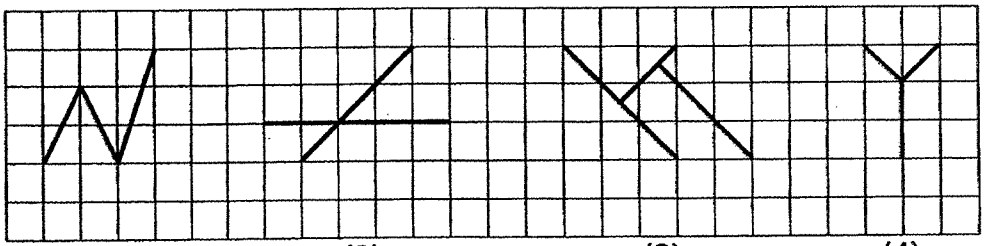
(1) 31.58

(2) 42.73

(3) 56.32

(4) 83.45

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. Siwon bought 205 jackets. Each jacket cost $36. How much did Siwon pay for the jackets in total?

(1) $1230

(2) $1845

(3) $7380

(4) $9000

8. The product of two numbers is 161. One of the numbers is 7. What is the other number?

(1) 1127

(2) 168

(3) 154

(4) 23

9. Matt went for a swim from 8.45 a.m. to 9.25 a.m. How long did Matt swim?

(1) 20 min

(2) 25 min

(3) 40 min

(4) 45 min

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10. Jacob is 4.57 kg heavier than Hasif. Jacob's mass is 46.8 kg. Find Hasif's mass.

(1) 41.51 kg

(2) 42.23 kg

(3) 50.65 kg

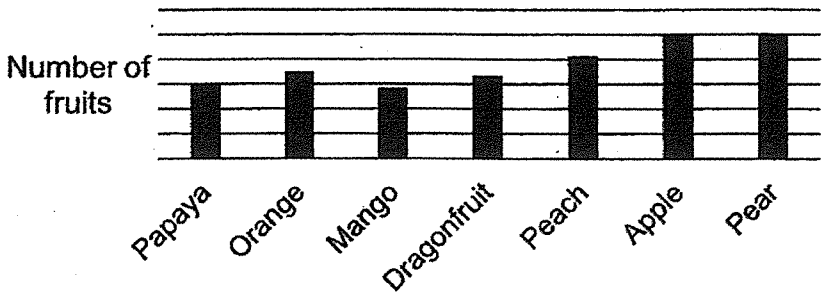
(4) 51.37 kg

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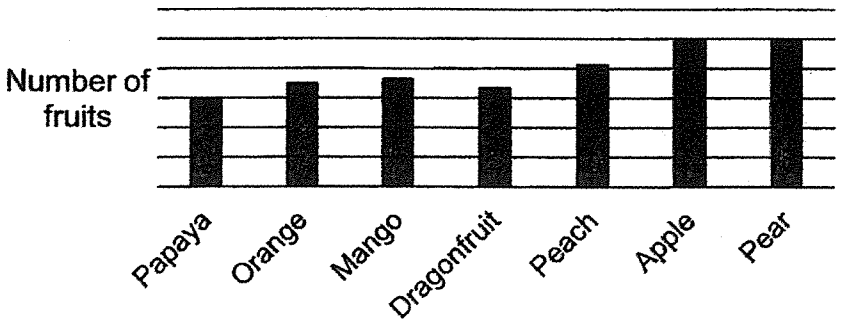
11. The table below shows the number of fruits in a fruit stall. Which of the following bar graph best represents the information provided in the table?

Fruit	Papaya	Orange	Mango	Dragon fruit	Peach	Apple	Pear
Number of fruits	150	175	142	167	207	250	250

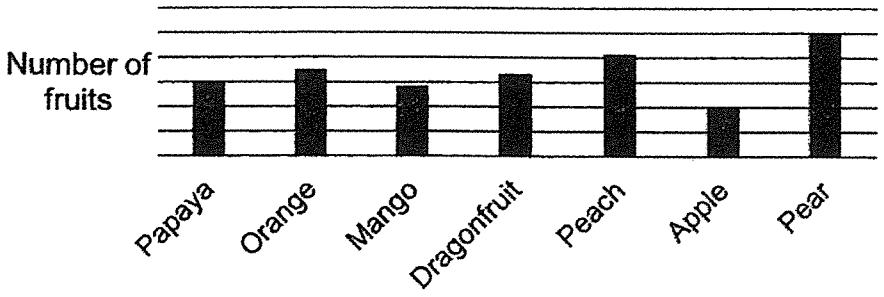
(1)



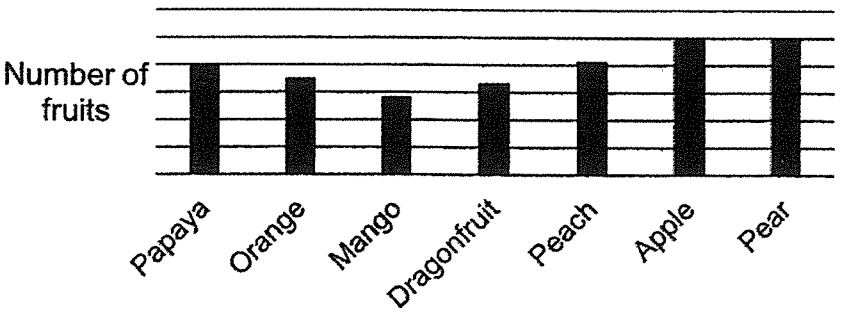
(2)



(3)



(4)



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12. The perimeter of a rectangle is 40 cm. Its length is 4 cm longer than its breadth. Find its breadth.

(1) 8 cm

(2) 9 cm

(3) 12 cm

(4) 13 cm

13. Julian had an equal number of blue marbles and red marbles. After he gave away 177 blue marbles and 45 red marbles, he had 3 times as many red marbles as blue marbles. How many blue marbles did he have at first?

(1) 66

(2) 132

(3) 198

(4) 243

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14. Prince Bakery sells two types of doughnuts.

The table below shows the number of rainbow doughnuts and chocolate doughnuts sold by Prince Bakery from Monday to Thursday. The number of doughnuts sold on Friday is not shown in the table.

Day	Number of Rainbow doughnuts sold	Number of Chocolate doughnuts sold
Monday	45	70
Tuesday	50	85
Wednesday	55	60
Thursday	64	55
Friday		

On Friday, Prince Bakery sold thrice as many chocolate doughnuts as the number of chocolate doughnuts sold on Wednesday. Prince Bakery collected a total of $624 from the sale of doughnuts on Friday. Each doughnut was sold at $3. How many rainbow doughnuts did Prince Bakery sell on Friday?

(1) 20

(2) 28

(3) 180

(4) 188

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15. Li Qing took a taxi from her home to a shopping mall. Her taxi fare was based on the charges shown.

First 1 km	$3.60
Every additional 1 km or less	$0.40
Every 60 seconds of waiting or less	$0.40

The taxi stopped once at a traffic light for 30 seconds and travelled a total distance of 8 km to reach the shopping mall. How much was her taxi fare?

(1) $6.60

(2) $6.80

(3) $7.00

(4) $7.20

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NANYANG PRIMARY SCHOOL

~~END-OF-YEAR EXAMINATION~~

2021

PRIMARY 4

MATHEMATICS

(BOOKLET B)

Total Duration for Booklets A and B: 1 hour 45 minutes

INSTRUCTIONS TO PUPILS

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.

Name: _____ ( )

Class: Primary 4 ( )

Parent's Signature: _____

Booklet A	**/ 30**
Booklet B	**/ 70**
Total	**/ 100**

Please sign and return the examination paper the next day. Any queries should be raised at the same time when returning paper.

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Questions **16** to **35** 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. (40 marks)

16. $3916 + 1456 =$ _____

Ans: _____

17. What is the missing number in the box?

$$\frac{2}{3} = \frac{4}{\square}$$

Ans: _____

18. Write $1\frac{2}{7}$ as an improper fraction.

Ans: _____

19. $\frac{3}{5} + \frac{1}{10} =$

Ans: _____

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20. Write 9 thousandths as a decimal.

Ans: _____

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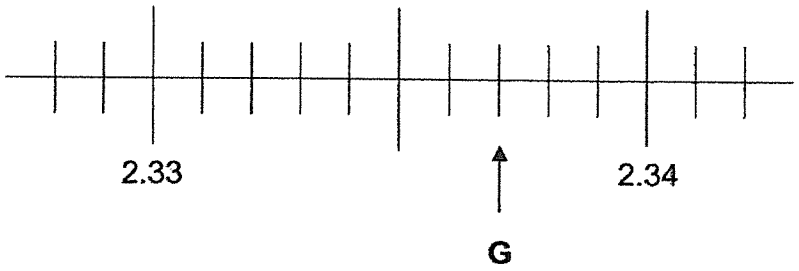
21. Arrange the following numbers from the smallest to the greatest.

$\frac{4}{5}$, 0.089 , 0.809

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

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22. Write the decimal represented by G.



Ans: _____

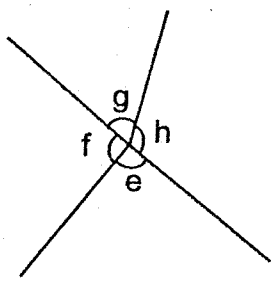
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23. 9.3 – 0.56 =

Ans: _____

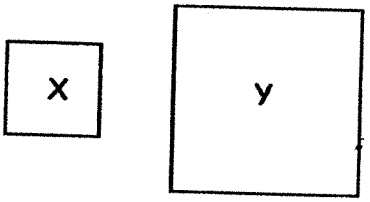
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24. In the figure below, name the smallest angle.



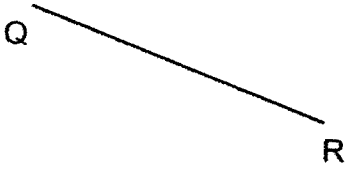
Ans: ∠_____

25. A wire 60 m long is used to form two squares, X and Y. The perimeter of square Y is twice the perimeter of square X. Find the length of one side of square X.



Ans: _____ m

26. Using a protractor and a ruler, draw ∠PQR = 123°. Mark and label the angle. The line QR has been drawn for you.



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27. Ahmad and his classmates were seated facing North. Ahmad turned 180° and worked with one of his classmates. Who did Ahmad work with?

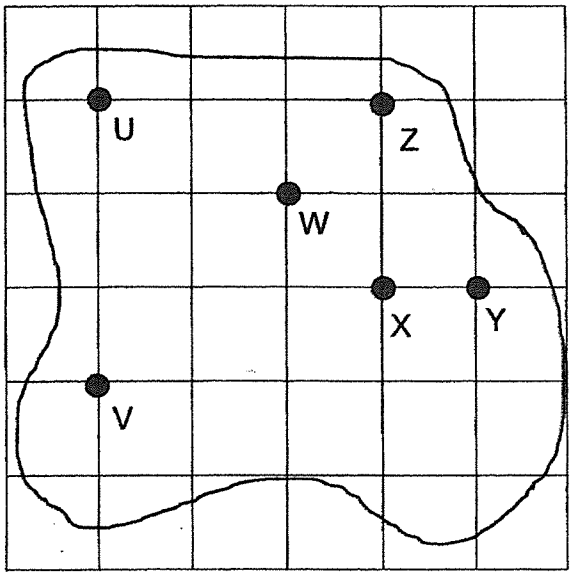
Julie	Ben	Mary
Wen Qi	Ahmad	Muthu
Ibrahim	Janice	Zac



Ans: _____

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28. Six landmarks on a map of an island are shown in the square grid below. Bob is standing at one of the landmarks. Landmark W is south-west of where he is at. Which landmark is Bob at?

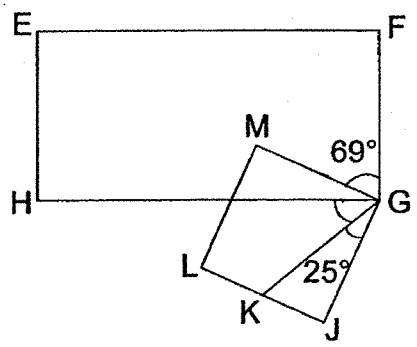




Ans: _____

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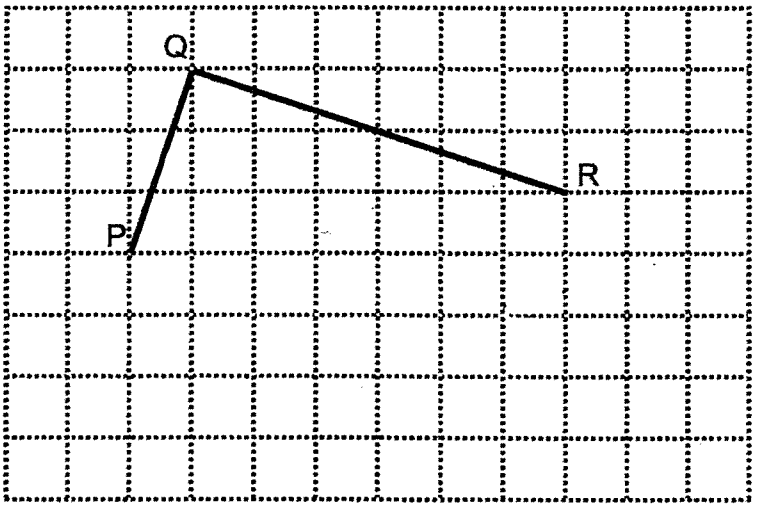
29. In the figure below, EFGH is a rectangle and GJLM is a square. $\angle MGF = 69°$ and $\angle KGJ = 25°$. Find $\angle HGK$.



Ans: _____ °

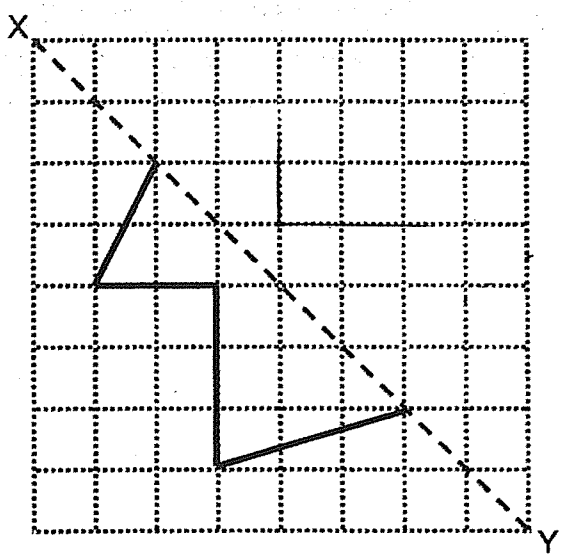
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30. In the square grid below, line PQ and line QR form two sides of a rectangle PQRS. Complete the drawing of rectangle PQRS.



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31. Complete the symmetric figure with XY as the line of symmetry.



32. The table below shows the number of pupils with the following scores.

Score	11	12	13	14	15	16	17	18	19	20
Number of pupils	2	3	3	1	4	6	5	7	8	4

Pupils who scored 17 and above will receive a gift. How many pupils will receive a gift?

Ans: _____

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33. Pot A contained 7 ℓ of soup. Pot A contained $\frac{3}{4}$ ℓ more soup than Pot B. How much soup was there in Pot B? Express your answer as a mixed number in its simplest form.

Ans: _____ ℓ

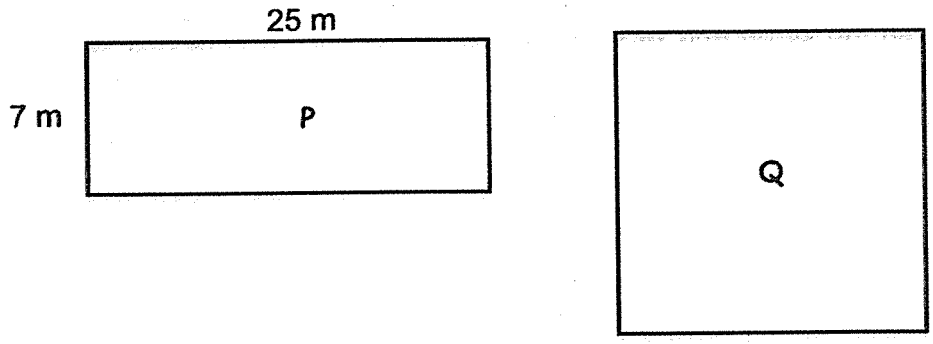
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34. The total cost of 9 identical plates and 2 identical bowls is $49. What is the total cost of 45 such plates and 10 such bowls?

Ans: $_____

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35 A rectangular field P measures 25 m by 7 m. A square field Q has the same perimeter as the rectangular field P. Find the area of the square field Q.



Ans: _____ m^2

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For questions **36** to **43**, 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. (30 marks)

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36. Kiaus had 2.75 ℓ of syrup. He had 5 times as much water as syrup. He mixed the syrup and water to make a drink. He then poured the drink equally into 5 containers. How much drink was poured into each container?

Ans: _____ [3]

---

37. On Monday, Zideon left home at 6.30 a.m. and reached school at 7.05 a.m. On Tuesday, there was a traffic jam and he took 1 h 40 min to reach school.

(a) How long did Zideon take to travel from his home to his school on Monday?

(b) How much longer did Zideon take to travel from his home to his school on Tuesday than on Monday?

Ans: (a) _____ [1]

(b) _____ [2]

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38. Darren had a rectangular piece of paper. He cut out exactly 24 squares from that paper, with no paper left over. The side of each square was 2 cm.

(a) What was the area of the rectangular piece of paper Darren had?

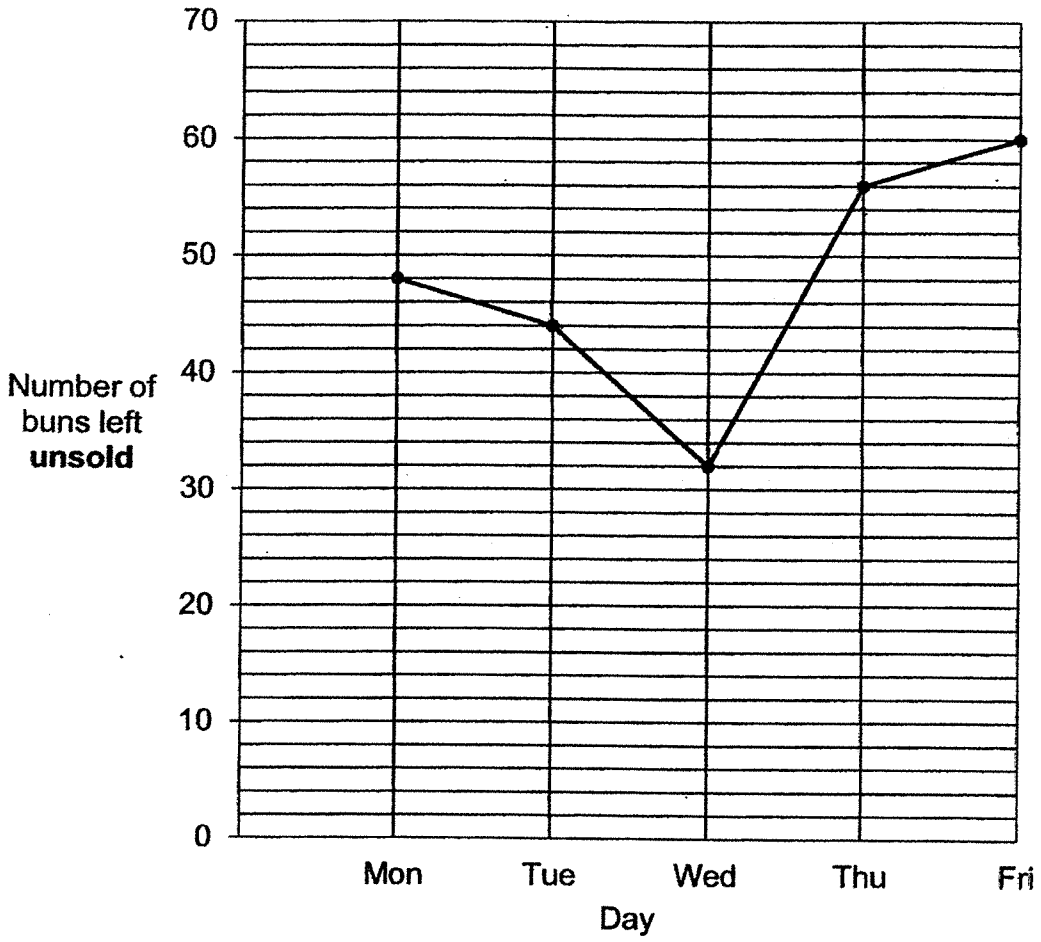
(b) The length of the rectangular piece of paper was 10 cm longer than its breadth. Find the length of the rectangular piece of paper Darren had.

Ans: (a) _____ [2]

(b) _____ [2]

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39. A baker bakes the same number of buns each day for sale. The graph shows the number of buns left **unsold** at the end of each day from Monday to Friday.



(a) On which day was the number of buns left unsold the greatest?

(b) The baker bakes 400 buns each day. How many buns were sold in total from Monday to Friday?

Ans: (a) _____ [1]

(b) _____ [3]

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40. A watermelon cost $1.85 more than a papaya. A rockmelon cost 4 times as much as the watermelon. The total cost of the watermelon, the papaya and the rockmelon was $32.95. How much more did the rockmelon cost than the watermelon?

Ans: _____ [4]

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41. Jamil, Kai and Leon played a game and scored some points each. Jamil and Kai scored 816 points altogether. Jamil and Leon scored 1824 points altogether. Leon scored 8 times as many points as Kai. How many points did Jamil score?

Ans: _____ [4]

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42. Ming made some keychains. After she gave $\frac{4}{7}$ of the keychains to her friends, $\frac{1}{3}$ of the keychains to her sisters and 18 keychains to her brothers, she was left with 16 keychains. How many keychains did Ming make?

Ans: _____ [4]

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43. Vijay had a total of 20 red marbles, green marbles and yellow marbles. He had 4 more yellow marbles than green marbles. The 20 marbles weighed 138 g altogether. Each red marble weighed 2 g, each green marble weighed 5 g and each yellow marble weighed 10 g.

(a) How many yellow marbles did Vijay have?

(b) How much more did the green marbles weigh than the red marbles?

Ans: (a) _____ [2]

(b) _____ [2]

End of Paper

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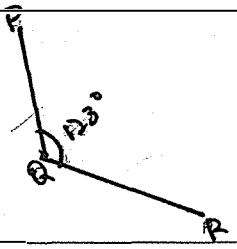
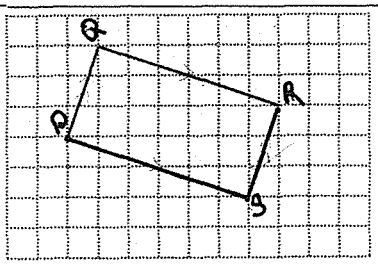
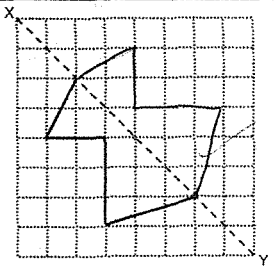
ANSWER KEY

YEAR : 2021
LEVEL Primary 4
SCHOOL Nanyang Primary School
SUBJECT MATHEMATICS
TERM : End-of-Year Examination

BOOKLET A

Q1	4	Q2	2	Q3	1	Q4	3	Q5	3
Q6	3	Q7	3	Q8	4	Q9	3	Q10	2
Q11	1	Q12	1	Q13	4	Q14	2	Q15	2

BOOKLET B

Q16	3916+1456=5372	Q17	$4 \div 2 = 2$ $3 \times 2 = 6$
Q18	2+7=9 Ans : $\frac{9}{7}$	Q19	$\frac{3}{5} = \frac{6}{10}$ $\frac{6}{10} + \frac{1}{10} = \frac{7}{10}$
Q20	0.009	Q21	$0.089, \frac{4}{5}, 0.809$
Q22	2.337	Q23	9.3-0.56=8.74
Q24	∠g	Q25	$60 \div 3 = 20$ $20 \div 4 = 5$
Q26		Q27	Janice
Q28	Z	Q29	90-69=21 21+25=46 90-46=44
Q30		Q31	

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Q32	5+7+8+4=24	Q33	$7-\frac{3}{4}=\frac{25}{4}$ $\frac{25}{4}=6\frac{1}{4}$
Q34	$49\times5=245$	Q35	25+7+25+7=64 $64\div4=16$ $16\times16=256$
Q36	$2.75\times5=13.75$ 13.75+2.75=16.5 $16.5\div5=3.3\ell$	Q37	(a) 35min (b) 1h 40min-35min= 1h 5min
Q38	(a) $2\times2=4$ $4\times24=96cm^2$ (b)Factor of 96 = 16×6 $16\times6=96$ 16-6=10 Ans : 16cm	Q39	(a) Friday (b) $400\times5=2000$ 48+44+32+56+60=240 2000-240=1760
Q40	$1.85\times5=\$9.25$ 32.95-9.25=23.70 $23.70\div6=3.95$ $3.95\times3=11.85$ 3.95+1.85=5.80 $5.80\times3=\$17.40$	Q41	1824-816=1008 $1008\div7=144$ $144\times8=1152$ 1824-1152=672
Q42	16+18=24 $\frac{4}{7}=\frac{12}{21}$ $\frac{1}{3}=\frac{7}{21}$ $\frac{12}{21}+\frac{7}{21}=\frac{19}{21}$ $1-\frac{19}{21}=\frac{2}{21}$ $34\div2=17$ $17\times21=357$	Q43	(a) $10\times4=40$ Ans : 10 (b) $6\times5=30$ $6\times10=60$ $4\times2=8$ 30+60+8=98 98+40=138 6+4=10 30-8=22g

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