NANYANG PRIMARY SCHOOL

END-OF-YEAR EXAMINATION 2022

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)

---

1. In which of the following numbers does the digit 6 stand for 600?

   (1) 4659

   (2) 6549

   (3) 5946

   (4) 9465

2. Thirty-four thousand and ninety-two in figures is _____.

   (1) 34 920

   (2) 34 902

   (3) 34 092

   (4) 3492

3. Which of the following are common factors of 16 and 24?

   (1) 1 and 6

   (2) 2 and 3

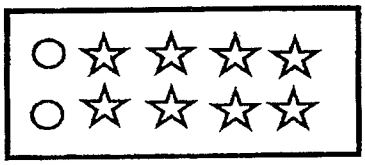
   (3) 3 and 8

   (4) 4 and 8

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4. What fraction of the shapes in the box are ○ ?



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

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

(3) $\frac{8}{10}$

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

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

(1) 15.45

(2) 24.13

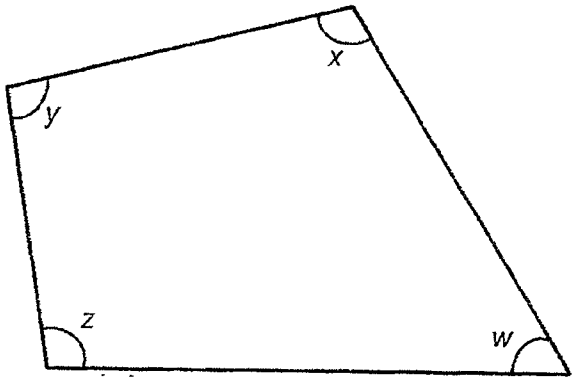
(3) 37.84

(4) 46.21

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6. In the figure below, which angle is smaller than a right angle?



(1) $\angle w$

(2) $\angle x$

(3) $\angle y$

(4) $\angle z$

7. Tristal bought 28 identical ovens and a kettle. Each oven cost 5 times as much as the kettle. The kettle cost \$65. How much did she pay for all the ovens?

(1) \$9165

(2) \$9100

(3) \$3250

(4) \$1820

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8. On Tuesday, a factory produced 6 times as many notebooks as on Monday. A total of 4242 notebooks were produced on both days. How many notebooks were produced on Monday?

(1) 66

(2) 77

(3) 606

(4) 707

9. Lucy can type 45 words in 1 minute. Lucy takes 10 seconds less than Paul to type the same number of words. How long does Paul take to type 45 words?

(1) 50 s

(2) 70 s

(3) 90 s

(4) 110 s

10. The total mass of a box containing 4 identical books and 2 identical calculators was 2.94 kg. The total mass of the box containing 4 such books and 1 such calculator was 2.76 kg. What was the total mass of the box containing 4 such books?

(1) 2.48 kg

(2) 2.54 kg

(3) 2.58 kg

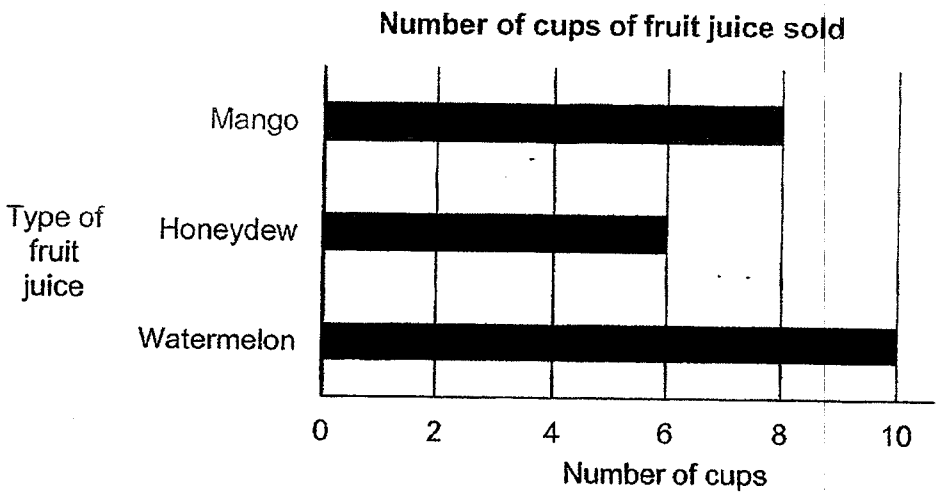
(4) 2.62 kg

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Peter sells three types of fruit juice.

The bar graph shows the number of cups of each type of fruit juice sold by Peter on a particular day.



The table shows the price of each cup of fruit juice.

Type of fruit juice	Price
Watermelon	$1
Honeydew	$1
Mango	$2

How much did Peter collect in total from the sales of fruit juices?

(1) $34

(2) $32

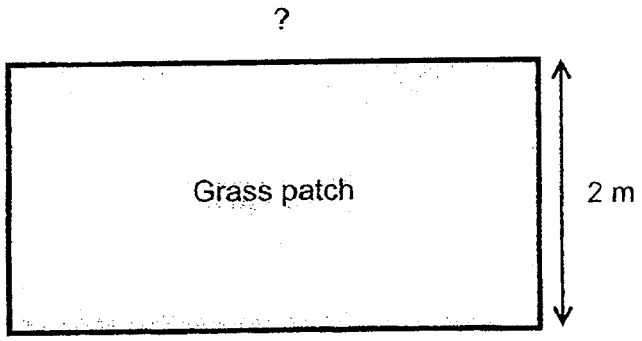
(3) $24

(4) $4

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12. The perimeter of a rectangular grass patch is 12 m. The breadth of the grass patch is 2 m. Find its length.



(1) 8 m

(2) 6 m

(3) 5 m

(4) 4 m

13. Aminah has 198 coins. She has 3 times as many coins as Bob. Charlie has 76 more coins than Bob. Charlie then gave Bob some of his coins such that they both have the same number of coins. How many more coins does Aminah have than Bob now?

(1) 66

(2) 94

(3) 104

(4) 160

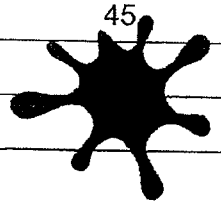
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14. The table shows the number of customers at a restaurant over 4 days.

Part of the table was covered by a stain as shown below.

Day	Number of customers
1	30
2	45
3	
4	



The number of customers on Day 3 is equal to the total number of customers on Day 1 and Day 2.

The total number of customers on all 4 days is 230 when rounded to the nearest ten.

What is the greatest possible number of customers on Day 4?

(1) 75

(2) 80

(3) 84

(4) 89

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15. The table below shows the prices of items sold at a stall.

Item	Price
Calculator	$ 7.80
Stapler	$ 2.10
Comic Book	$ 6.65
Plastic Folder	$ 0.85
Notebook	$ 5.45

Jiayi had $13. She bought 2 different items and paid more than $10 for them. Which were the 2 items she bought?

(1) Plastic Folder and Comic Book

(2) Plastic Folder and Stapler

(3) Notebook and Calculator

(4) Comic Book and Notebook

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NANYANG PRIMARY SCHOOL

END-OF-YEAR EXAMINATION 2022

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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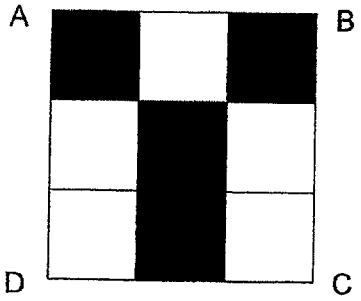
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Questions **16** to **35** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

16. Find the product of 3608 and 9.

Ans: _____

17. In the figure below, square ABCD is made up of 9 unit squares. What fraction of square ABCD is shaded?



Ans: _____

18. How many one-fifths are there in 1 whole?

Ans: _____

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19. Express $\frac{3}{9}$ in its simplest form.

Ans: _____

20. Express $\frac{84}{100}$ as a decimal.

Ans: _____

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

0.045 , 0.504 , 0.405

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

22. Round 18.55 to the nearest whole number.

Ans: _____

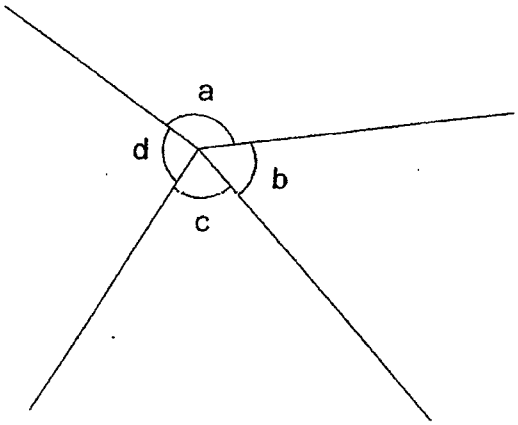
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23. Find the value of 6.72×7.

Ans: _____

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

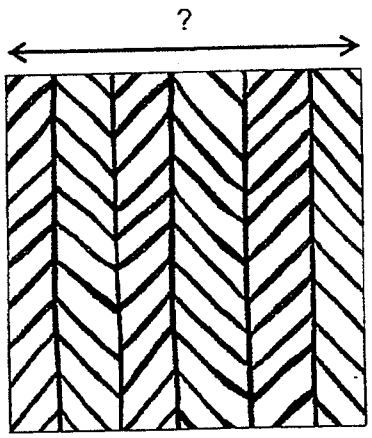


Ans: _____

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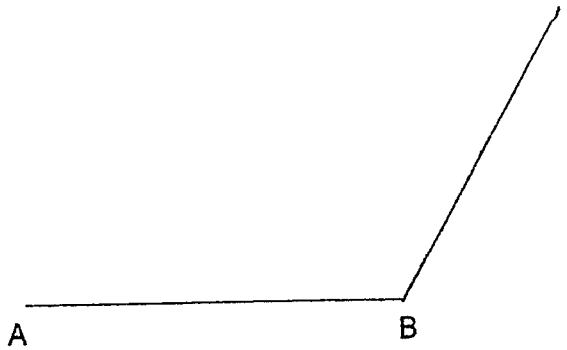
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25. The area of a square tile is 49 cm^2. Find its length.



Ans: _____ cm

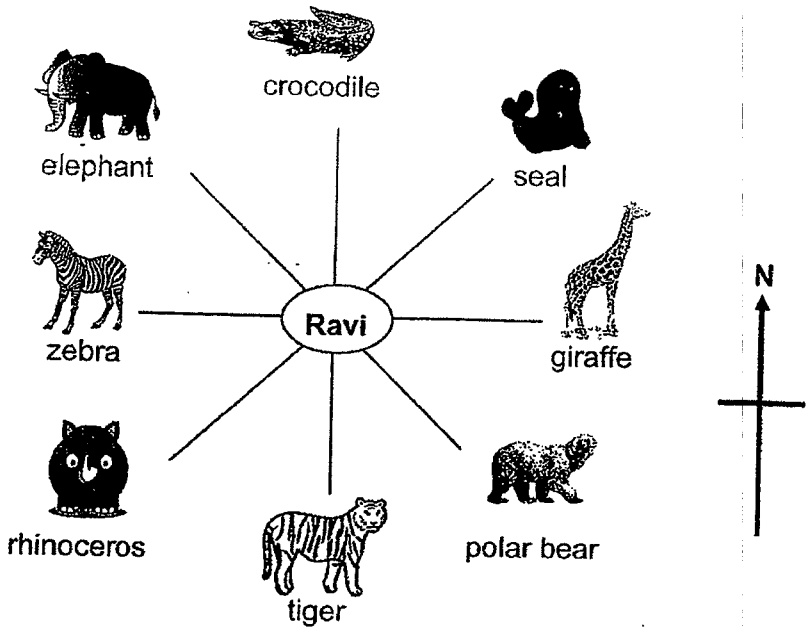
26. Using a protractor and a ruler, draw $\angle ABC = 120°$. Mark and label the angle. The line AB has been drawn for you.



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27. Ravi is at the zoo. He is facing south now. He then turns to face the elephant. What angle has he turned through in the anti-clockwise direction?

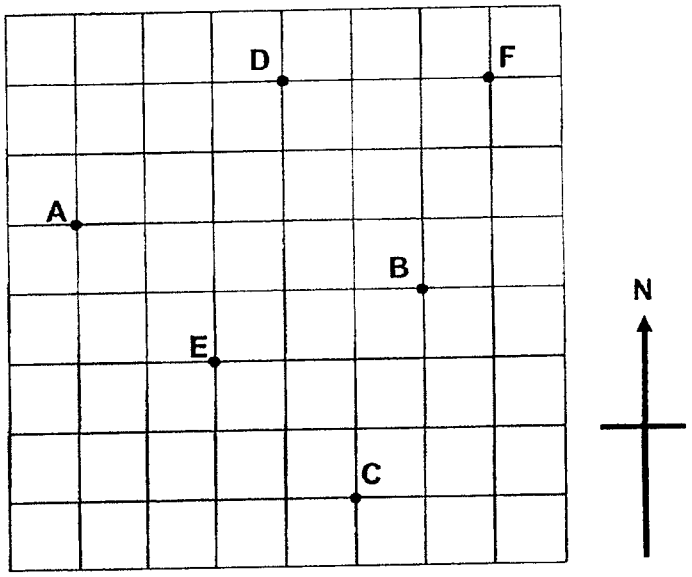


Ans: _____ °

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28. Study the square grid below. In which direction is Point E from Point C?

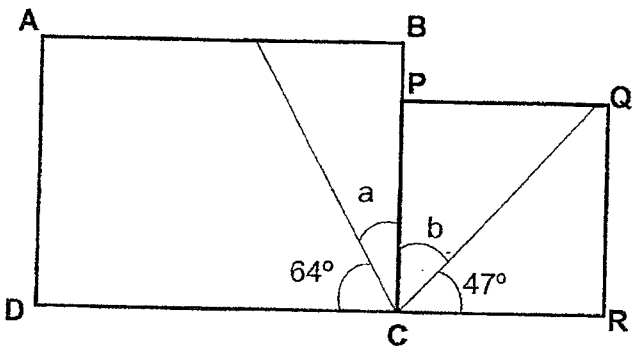


Ans: _____

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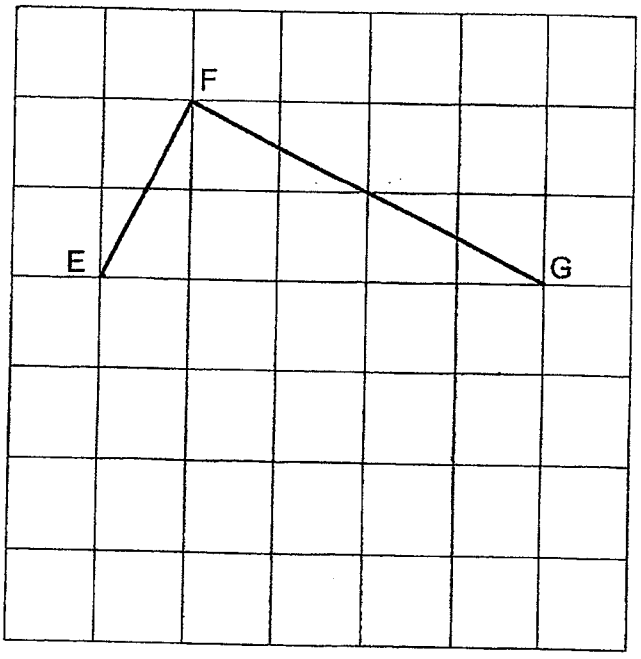
29. ABCD is a rectangle and PQRC is a square. Find $\angle a + \angle b$.



Ans: _____ °

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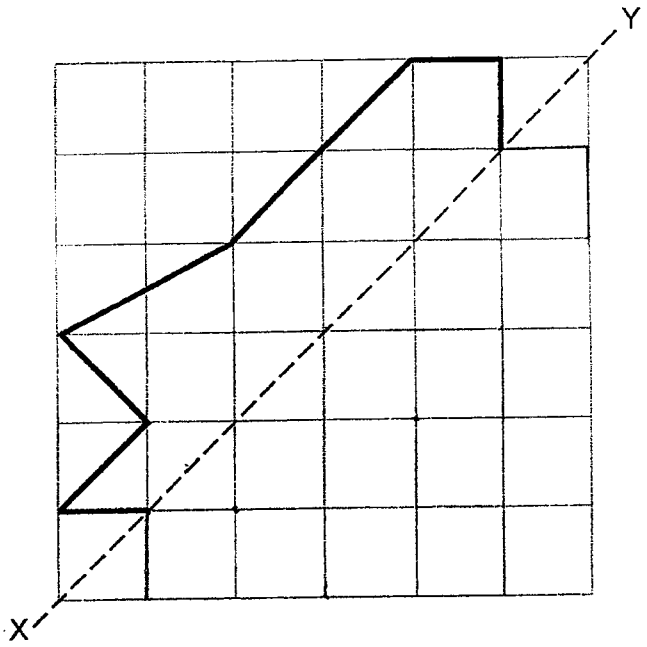
30. In the square grid below, EF and FG form two sides of a rectangle EFGH. Complete the drawing of rectangle EFGH.



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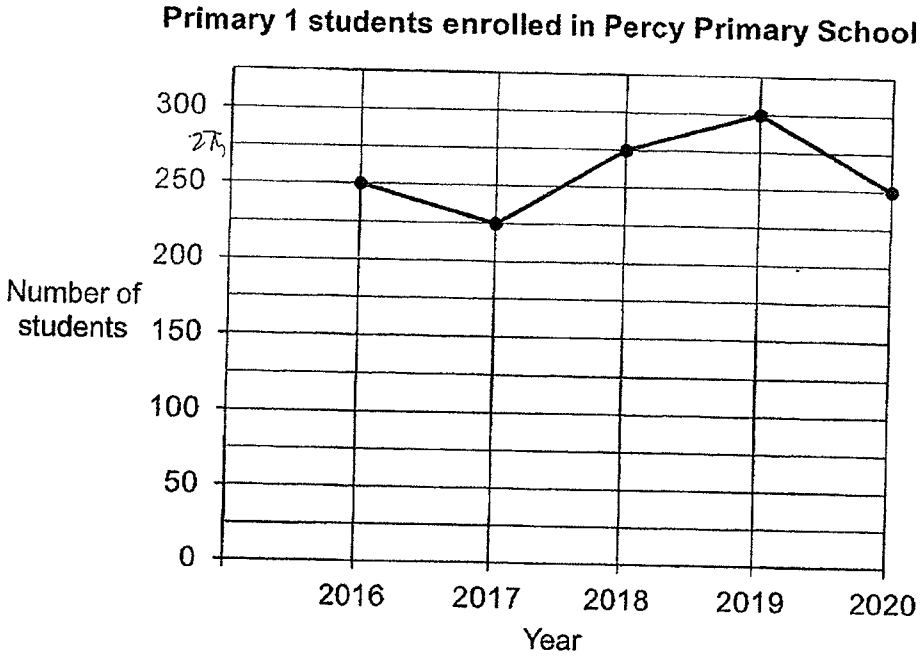
31. Complete the figure on the square grid below so that it is symmetric about the line of symmetry XY.



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32. The line graph shows the number of Primary 1 students enrolled in Percy Primary School from Year 2016 to Year 2020.



(a) In which two years were the number of Primary 1 students enrolled the same?

(b) How many more Primary 1 students were enrolled in Year 2019 than Year 2018?

Ans: (a) Year _____ and _____

(b) _____

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33. Sam had a new book to read. He read $\frac{3}{5}$ of the new book in the morning and $\frac{3}{10}$ of it in the evening. What fraction of the book was left unread?

Ans: _____

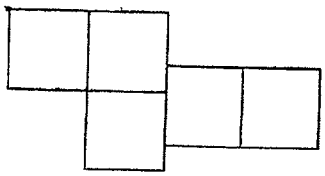
34. A farmer planted some trees in a straight row. The trees were planted at an equal distance apart from one another. The distance between the 2nd tree and the 5th tree was 2340 m. What was the distance between the 1st tree and the 10th tree?

Ans: _____ m

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35. The figure is made up of 5 identical squares. The perimeter of the figure is 36 cm. Find the area of the figure.



Ans: _____ cm^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)

36. Container A had 13.5 ℓ of tea. Container B had 4 times as much tea as container A. All the tea in container B was poured into identical bottles. Each bottle then has 3 ℓ of tea. How many such bottles were filled with tea from container B?

Ans: _____ [3]

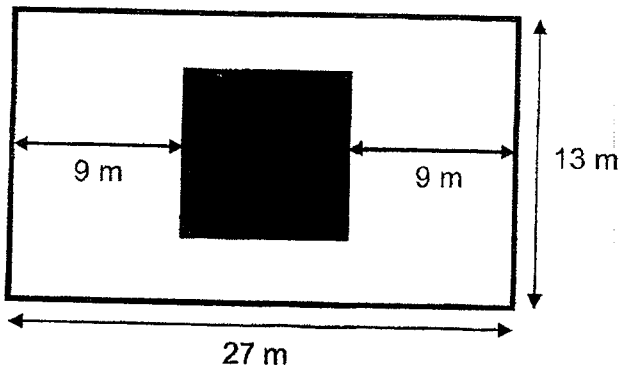
37. Benny had his dinner from 17 15 to 19 05. After his dinner, he shopped for 2 h 55 min. How much time did he spend on having his dinner and shopping altogether?

Ans: _____ [3]

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38. The figure below is made up of a rectangle and a square. The rectangle measures 27 m by 13 m. Find the area of the **unshaded** part.

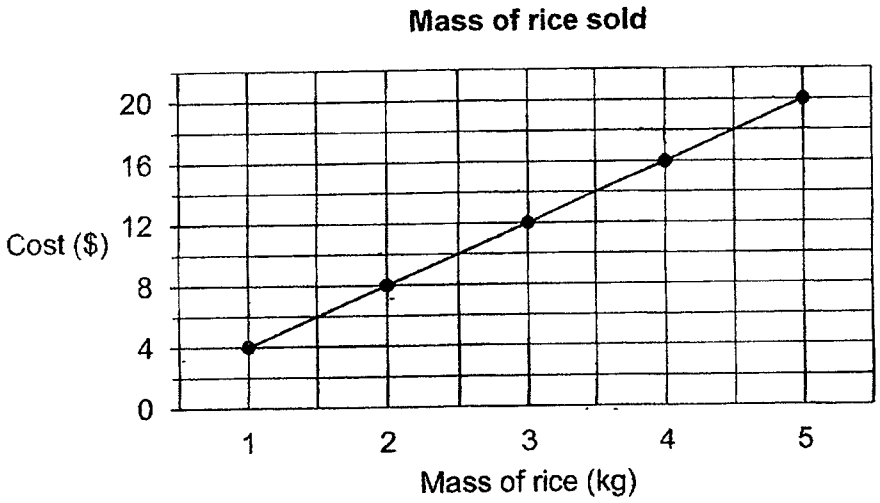


Ans: _____ [4]

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39. The line graph shows the cost related to the mass of rice sold in a shop.



(a) Mr Sim bought 1.5 kg of rice. Mr Wee bought 2 kg of rice. How much more did Mr Wee had to pay than Mr Sim?

(b) Mrs Tan spent $20 on rice. Mrs Goh spent $8 less than Mrs Tan on rice. Find the difference between the mass of rice bought by Mrs Tan and Mrs Goh.

Ans: (a) _____ [2]

(b) _____ [2]

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40. Michelle and Bridget went shopping with the same amount of money. After Michelle spent $8.80 and Bridget spent $50, Michelle had 5 times as much money left as Bridget.

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

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

Ans: (a) _____ [3]

(b) _____ [1]

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41. May and Nina have 274 beads altogether. May and Oliver have 618 beads altogether. The number of beads Oliver has is nine times that of Nina. How many beads does May have?

Ans: _____ [4]

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42. Rope A is $\frac{5}{6}$ m shorter than Rope B.

Rope C is $\frac{1}{6}$ m longer than Rope A.

Rope C is $\frac{2}{3}$ m long.

(a) What is the length of Rope A?

(b) What is the length of Rope B? Give your answer in the simplest form.

Ans: (a) _____ [2]

(b) _____ [2]

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43. At a bakery, the price of a cupcake was $2 and the price of a tart was $5. Ms Lim paid $38 to buy a total of 13 cupcakes and tarts. How many more cupcakes than tarts did Ms Lim buy?

Ans: _____ [4]

End of Paper

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END-OF-YEAR EXAMINATION
2022

PRIMARY 4

MATHEMATICS
(BOOKLET A)

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Class: Primary 4 ( )

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1. In which of the following numbers does the digit 6 stand for 600?

(1) 4659
(2) 6549
(3) 5946
(4) 9465

(1)

2. Thirty-four thousand and ninety-two in figures is _____.

(1) 34 920
(2) 34 902
(3) 34 092
(4) 3492

(3)

3. Which of the following are common factors of 16 and 24?

(1) 1 and 6
(2) 2 and 3
(3) 3 and 8
(4) 4 and 8

Factors of 16
1, 2, 4, 8, 16

Factors of 24
1, 2, 3, 4, 6, 8, 12, 24

Common factors
1, 2, 4, 8

(4)

4. What fraction of the shapes in the box are ○ ?



(1) $\frac{2}{10}$
(2) $\frac{2}{8}$
(3) $\frac{8}{10}$
(4) $\frac{8}{2}$

(1)

5. In which of the following numbers does the digit 4 stand for 4 tenths? (0.4)

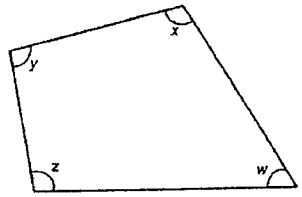
(1) 15.45
(2) 24.13
(3) 37.84
(4) 46.21

(1)

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6. In the figure below, which angle is smaller than a right angle?



(1) $\angle w$
(2) $\angle x$
(3) $\angle y$
(4) $\angle z$

(1)

7. Tristal bought 28 identical ovens and a kettle. Each oven cost 5 times as much as the kettle. The kettle cost $65. How much did she pay for all the ovens?

(1) $9165
(2) $9100
(3) $3250
(4) $1820

1 oven → $65 × 5 = $325
28 ovens → $325 × 28
= $9100

(2)

8. On Tuesday, a factory produced 6 times as many notebooks as on Monday. A total of 4242 notebooks were produced on both days. How many notebooks were produced on Monday?

(1) 66
(2) 77
(3) 606
(4) 707

7 units → 4242
1 unit → 4242 ÷ 7
= 606

(3)

9. Lucy can type 45 words in 1 minute. Lucy takes 10 seconds less than Paul to type the same number of words. How long does Paul take to type 45 words?

(1) 50 s
(2) 70 s
(3) 90 s
(4) 110 s

60 + 10
= 70

(2)

10. The total mass of a box containing 4 identical books and 2 identical calculators was 2.94 kg. The total mass of the box containing 4 such books and 1 such calculator was 2.76 kg. What was the total mass of the box containing 4 such books?

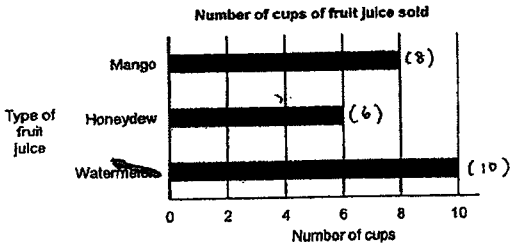
(1) 2.48 kg
(2) 2.54 kg
(3) 2.58 kg
(4) 2.62 kg

4 Books + 2 Calculators → 2.94 kg
4 Books + 1 Calculators → 2.76 kg
1 calculator → 2.9 − 2.76
= 0.18 kg
4 Books → 2.76 − 0.18
= 2.58

(3)

11. Peter sells three types of fruit juice.

The bar graph shows the number of cups of each type of fruit juice sold by Peter on a particular day.



The table shows the price of each cup of fruit juice.

Type of fruit juice	Price
Watermelon	$1
Honeydew	$1
Mango	$2

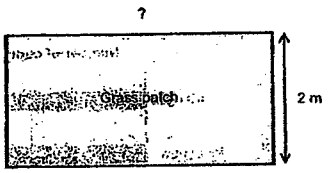
How much did Peter collect in total from the sales of fruit juices?

(1) $34
(2) $32
(3) $24
(4) $4

Watermelon → $1 × 10 = $10
Honeydew → $1 × 6 = $6
Mango → $2 × 8 = $16
Total → $10 + $6 + $16
= $32

(2)

12. The perimeter of a rectangular grass patch is 12 m. The breadth of the grass patch is 2 m. Find its length.



(1) 8 m
(2) 6 m
(3) 5 m
(4) 4 m

Length + Breadth → 12 m ÷ 2
= 6 m
Length → 6 m − 2 m
= 4 m

(4)

13. Aminah has 198 coins. She has 3 times as many coins as Bob. Charlie has 76 more coins than Bob. Charlie then gave Bob some of his coins such that they both have the same number of coins. How many more coins does Aminah have than Bob now?

(1) 66
(2) 94
(3) 104
(4) 160



3 units → 198
1 unit → 198 ÷ 3
= 66
76 ÷ 2 = 38
66 + 38 = 104 (Bob)
198 − 104 = 94

(2)

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14. The table shows the number of customers at a restaurant over 4 days.

Part of the table was covered by a stain as shown below.

Day	Number of customers
1	30
2	45
3	
4	



The number of customers on Day 3 is equal to the total number of customers on Day 1 and Day 2.

The total number of customers on all 4 days is 230 when rounded to the nearest ten.

What is the greatest possible number of customers on Day 4?

(1) 75

(2) 80

(3) 84

(4) 89

Day 3 → 30 + 45
= 75
75 + 75 = 150
230 − 150 = 80
84 ≈ 80

(3)

15. The table below shows the prices of items sold at a stall.

Item	Price
Calculator	$ 7.80
Stapler	$ 2.10
Comic Book	$ 6.65
Plastic Folder	$ 0.85
Notebook	$ 5.45

Jiayi had $13. She bought 2 different items and paid more than $10 for them. Which were the 2 items she bought?

(1) Plastic Folder and Comic Book $0.85 + $6.65 = $7.50

(2) Plastic Folder and Stapler $0.85 + $2.10 = $2.95

(3) Notebook and Calculator $5.45 + $7.80 = $13.25

(4) Comic Book and Notebook $6.65 + $5.45 = $12.10

(4)

NANYANG PRIMARY SCHOOL

END-OF-YEAR EXAMINATION 2022

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)

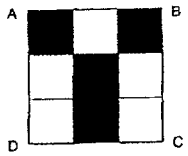
16. Find the product of 3608 and 9.

3608 x 9 = 32 472

$$\begin{array}{r} {}^{5} \\ 3608 \\ \times \quad 9 \\ \hline 32472 \end{array}$$

Ans: 32 472

17. In the figure below, square ABCD is made up of 9 unit squares. What fraction of square ABCD is shaded?



Ans: $\frac{4}{9}$

18. How many one-fifths are there in 1 whole?

Ans: 5

19. Express $\frac{3}{9}$ in its simplest form.

$\frac{3 \div 3}{9 \div 3} = \frac{1}{3}$

Ans: $\frac{1}{3}$

20. Express $\frac{84}{100}$ as a decimal.

Ans: 0.84

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

0.045 , 0.504 , 0.405

Ans: 0.504 (greatest) , 0.405 , 0.045 (smallest)

22. Round 18.55 to the nearest whole number.

Ans: 19

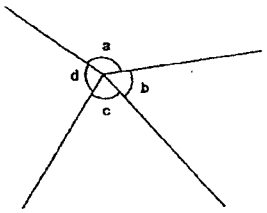
23. Find the value of 6.72 x 7.

6.72 X 7 = 47.04

$$\begin{array}{r} {}^{5}{}^{1} \\ 6.72 \\ \times \quad 7 \\ \hline 47.04 \end{array}$$

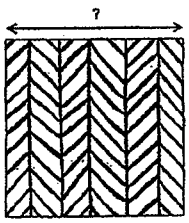
Ans: 47.04

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



Ans: ∠b

25. The area of a square tile is 49 cm². Find its length.



7 X 7 = 49

Ans: 7 cm

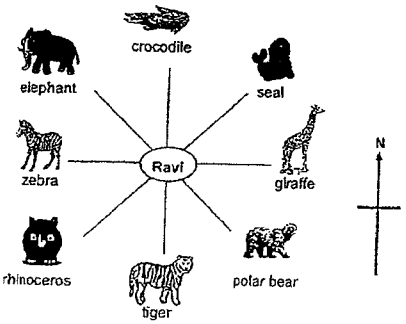
26. Using a protractor and a ruler, draw ∠ABC = 120°. Mark and label the angle. The line AB has been drawn for you.

A B

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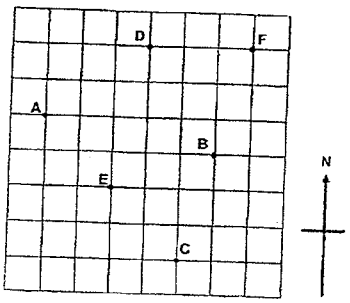
27. Ravi is at the zoo. He is facing south now. He then turns to face the elephant. What angle has he turned through in the anti-clockwise direction?



Ans: 225 °

5

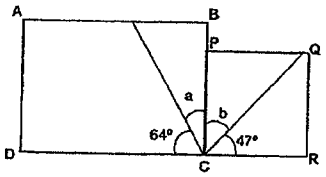
28. Study the square grid below. In which direction is Point E from Point C?



Ans: North-west

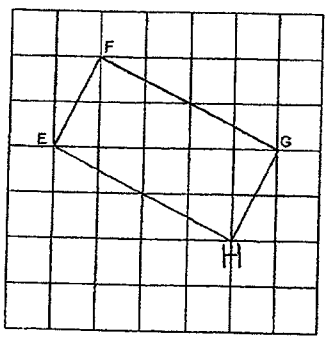
6

29. ABCD is a rectangle and PQRC is a square. Find ∠a + ∠b.



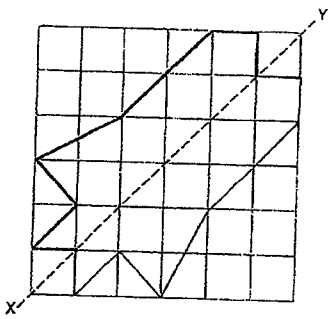
∠a → 90° − 64°
= 26°
∠b → 90° − 47°
= 43°
26° + 43° = 69°
Ans: 69 °

30. In the square grid below, EF and FG form two sides of a rectangle EFGH. Complete the drawing of rectangle EFGH.



7

31. Complete the figure on the square grid below so that it is symmetric about the line of symmetry XY.

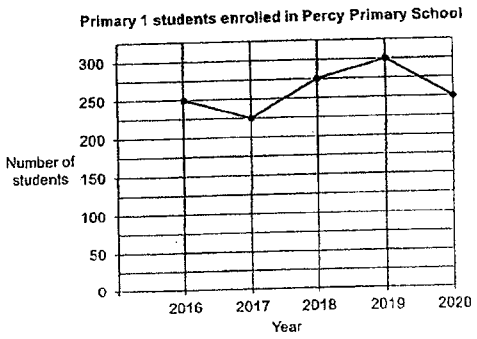


8

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32. The line graph shows the number of Primary 1 students enrolled in Percy Primary School from Year 2016 to Year 2020.



(a) In which two years were the number of Primary 1 students enrolled the same?

(b) How many more Primary 1 students were enrolled in Year 2019 than Year 2018?

Ans: (a) Year 2016 and 2020

(b) 25

33. Sam had a new book to read. He read $\frac{3}{5}$ of the new book in the morning and $\frac{3}{10}$ of it in the evening. What fraction of the book was left unread?

$\frac{3}{5} + \frac{3}{10}$

$= \frac{6}{10} + \frac{3}{10}$

$= \frac{9}{10}$

$1 - \frac{9}{10} = \frac{1}{10}$

Ans: $\frac{1}{10}$

34. A farmer planted some trees in a straight row. The trees were planted at an equal distance apart from one another. The distance between the 2nd tree and the 5th tree was 2340 m. What was the distance between the 1st tree and the 10th tree?

2nd tree to 5th tree → 3 gaps

3 gaps → 2340 m (1 group)

1st tree to 10th tree → 9 gaps

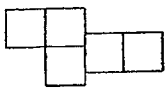
9 gaps → 3 groups of 3 gaps

2340 × 3 = 7020 (Ans)

2340 × 3 = 7020

Ans: 7020 m

35. The figure is made up of 5 identical squares. The perimeter of the figure is 36 cm. Find the area of the figure.



36 ÷ 12 = 3

3 × 3 = 9

9 × 5 = 45 (Ans)

Ans: 45 cm²

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)

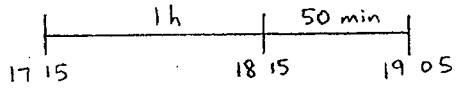
36. Container A had 13.5 ℓ of tea. Container B had 4 times as much tea as container A. All the tea in container B was poured into identical bottles. Each bottle then has 3 ℓ of tea. How many such bottles were filled with tea from container B?

13.5 × 4 = 54

54 ÷ 3 = 18 (Ans)

Ans: 18 [3]

37. Benny had his dinner from 17 15 to 19 05. After his dinner, he shopped for 2 h 55 min. How much time did he spend on having his dinner and shopping altogether?



1 h 50 min + 2 h 55 min

= 3 h 105 min

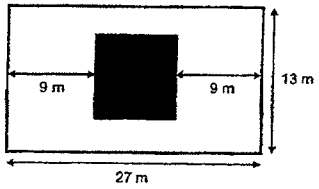
= 4 h 45 min (Ans)

Ans: 4 h 45 min [3]

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1. The figure below is made up of a rectangle and a square. The rectangle measures 27 m by 13 m. Find the area of the unshaded part.

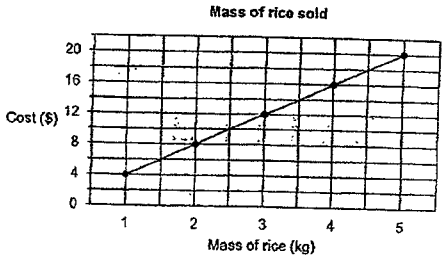


Area of Rectangle → 27 × 13
= 351
Length of Square → 27 − 9 − 9
= 9
Area of Square → 9 × 9
= 81
Area of unshaded part → 351 − 81
= 270 (Ans)

Ans: 270 m^2 [4]

13

39. The line graph shows the cost related to the mass of rice sold in a shop.



(a) Mr Sim bought 1.5 kg of rice. Mr Wee bought 2 kg of rice. How much more did Mr Wee had to pay than Mr Sim?

(b) Mrs Tan spent $20 on rice. Mrs Goh spent $8 less than Mrs Tan on rice. Find the difference between the mass of rice bought by Mrs Tan and Mrs Goh.

(a) $8 − $6 = $2 (Ans)

(b) $20 of rice → 5kg
$20 − $8 = $12
$12 of rice → 3kg
5kg − 3kg = 2kg (Ans)

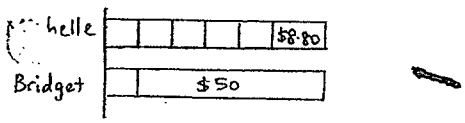
Ans: (a) $2 [2]
(b) 2kg [2]

14

40. Michelle and Bridget went shopping with the same amount of money. After Michelle spent $8.80 and Bridget spent $50, Michelle had 5 times as much money left as Bridget.

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

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

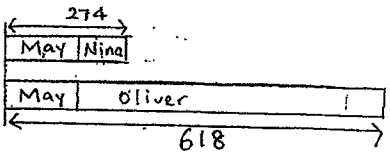


4 units = $50 − $8.80
= $41.20
1 unit = $41.20 ÷ 4
= $10.30
(a) 5 units = $41.20 + $10.30
= $51.50 (Ans)
(b) $10.30 + $50
= $60.30 (Ans)

Ans: (a) $51.50 [3]
(b) $60.30 [1]

15

41. May and Nina have 274 beads altogether. May and Oliver have 618 beads altogether. The number of beads Oliver has is nine times that of Nina. How many beads does May have?



618 − 274 = 344
8 units = 344
1 unit = 344 ÷ 8
= 43
May → 274 − 43
= 231 (Ans)

Ans: 231 [4]

16

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42. Rope A is $\frac{5}{6}$ m shorter than Rope B.

Rope C is $\frac{1}{6}$ m longer than Rope A.

Rope C is $\frac{2}{3}$ m long.

(a) What is the length of Rope A?

(b) What is the length of Rope B? Give your answer in the simplest form.

(a) $\frac{2}{3} - \frac{1}{6}$

$= \frac{4}{6} - \frac{1}{6}$

$= \frac{3}{6}$ OR $\frac{1}{2}$ (Ans)

(b) $\frac{3}{6} + \frac{5}{6}$

$= \frac{8}{6}$

$= 1\frac{2}{6}$

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

Ans: (a) $\frac{3}{6}$ m OR $\frac{1}{2}$ m [2]

(b) $1\frac{1}{3}$ m [2]

43. At a bakery, the price of a cupcake was $2 and the price of a tart was $5. Ms Lim paid $38 to buy a total of 13 cupcakes and tarts. How many more cupcakes than tarts did Ms Lim buy?

Number of Cupcakes	Number of tarts	Total cupcakes and tarts	Total cost
7	6	7 + 6 = 13	7 x $2 = $14 6 x $5 = $30 $14 + $30 = $44 (X)
8	5	8 + 5 = 13	8 x $2 = $16 5 x $5 = $25 $16 + $25 = $41 (X)
9	4	9 + 4 = 13	9 x $2 = $18 4 x $5 = $20 $18 + $20 = $38 (V)

9 − 4 = 5 (Ans)

OR

13 x $5 = $65

$65 − $38 = $27

$5 − $2 = $3

$27 ÷ $3 = 9 (Cupcakes)

13 − 9 = 4 (tarts)

9 − 4 = 5 (Ans)

Ans: 5 [4]

End of Paper

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