



PEI HWA PRESBYTERIAN PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 2

PRIMARY 4
MATHEMATICS PAPER

25 OCT 2018

Name : _____

Parent's signature

Form Class / Register No. : 4TW _____ / _____

Banded Class / Register No. : 4M _____ / _____

Total time: 1 h 45 min

INSTRUCTIONS TO CANDIDATES

1. Write your Name, Class and Register No. in the spaces provided above.
2. DO NOT turn over this page until you are told to do so.
3. Follow all instructions carefully and answer all questions.
4. For Section A, shade your answers on the Optical Answer Sheet (OAS) provided.
5. For Section B and C, write all your answers in this booklet.
6. The use of calculator is **NOT ALLOWED**.

Marks (Section A) :	40
Marks (Section B) :	40
Marks (Section C) :	20
Total Marks:	100

Section A: Multiple Choice Questions (20×2 = 40 marks)

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

1 The value of digit 5 in 35 712 is _____.

(1) 50

(2) 500

(3) 5000

(4) 50 000

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2 Which of the following is a multiple of both 3 and 5?

(1) 8

(2) 10

(3) 12

(4) 15

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3 $\frac{1}{8} + \frac{1}{4} =$ _____.

(1) $\frac{1}{32}$

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

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

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

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4 Which one of the following decimals is the smallest?

- (1) 3.06
- (2) 3.13
- (3) 3.038
- (4) 3.304

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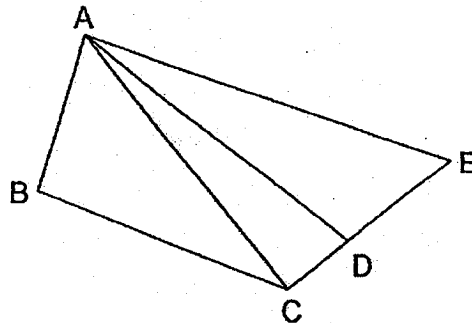
5 $4808 \div 8 =$ _____.

- (1) 61
- (2) 601
- (3) 6001
- (4) 60 001

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6 In the figure below, which two lines are perpendicular?

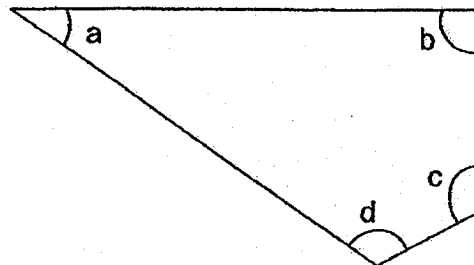
- (1) AB and BC
- (2) AC and CE
- (3) AD and DE
- (4) AE and ED



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

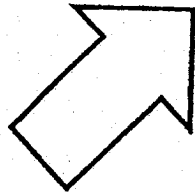
- (1) $\angle a$
- (2) $\angle b$
- (3) $\angle c$
- (4) $\angle d$



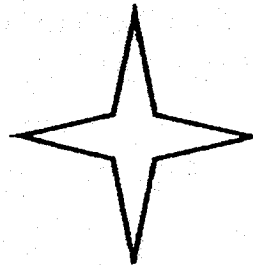
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8 Which one of the following figures has the most lines of symmetry?

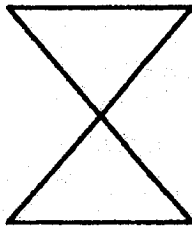
(1)



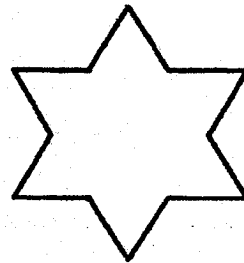
(2)



(3)



(4)



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9 Find the sum of the value of digits 5 in 45 650.

(1) 50

(2) 505

(3) 5000

(4) 5050

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10 Henry spent $\frac{4}{10}$ of his money on a jacket and $\frac{5}{10}$ of it on a pair of slippers.
He had \$36 left.
How much money did he have at first?

(1) \$360

(2) \$180

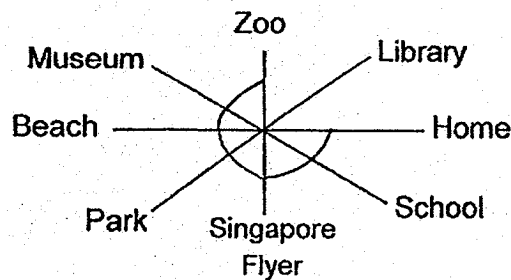
(3) \$60

(4) \$40

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- 11 Maggie is facing the zoo.
She makes a $\frac{1}{4}$ - turn anti-clockwise.
She then makes a 270° turn clockwise.
Where is she facing now?

- (1) Home
- (2) Zoo
- (3) Beach
- (4) Singapore Flyer



- 12 Mr Goh had some white and orange balls in a box.
 $\frac{2}{9}$ of them were orange.
There were 144 orange balls.
How many of the balls were white?

- (1) 504
- (2) 128
- (3) 112
- (4) 32

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- 13 Amanda is 1.28 m tall.
Bill is 0.23 m taller than Amanda.
What is the total height of the 2 children?
Round your answer to 1 decimal place.

- (1) 2.9 m
- (2) 2.8 m
- (3) 1.5 m
- (4) 1.1 m

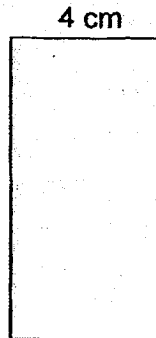
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- 14 Daylen bought 2 correction tapes and 2 pens at \$7.80 from the bookshop. Each correction tape cost \$0.90 more than each pen. What was the cost of a pen?

- (1) \$1.50
- (2) \$1.95
- (3) \$3.60
- (4) \$3.90

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- 15 The figure below is a rectangle with breadth of 4 cm. Its length is 4 times its breadth. Find the area of the rectangle.



- (1) 64 cm^2
- (2) 40 cm^2
- (3) 16 cm^2
- (4) 4 cm^2

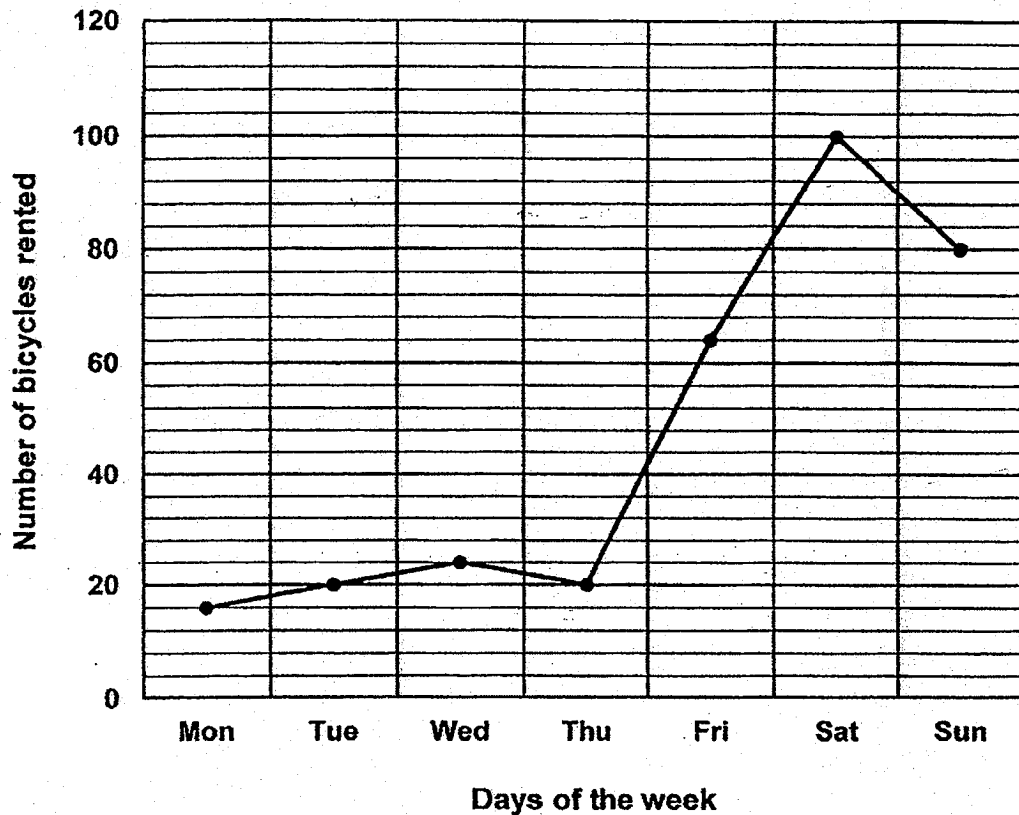
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- 16 Jane went for a movie. The movie lasted for 2 h 15 min and ended at 21 35. What time did the movie start?

- (1) 7.20 a.m.
- (2) 7.20 p.m.
- (3) 11.50 a.m.
- (4) 11.50 p.m.

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- 17 The line graph shows the number of bicycles rented over 7 days.



What is the difference between the highest and the lowest number of bicycles rented?

- (1) 84
- (2) 82
- (3) 74
- (4) 64

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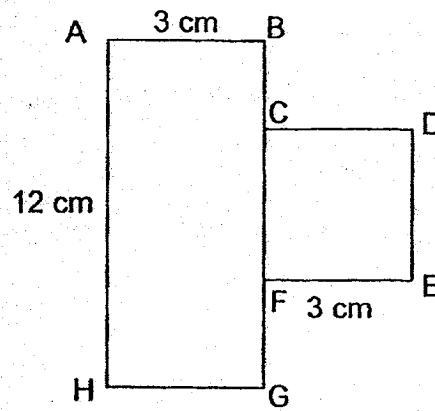
- 18 Mrs Poh bought some flowers for her staff.
 If she gave 6 flowers to each staff, she would have 5 flowers left.
 If she gave 8 flowers to each staff, she would need 3 more flowers.
 How many flowers did she buy?

- (1) 11
- (2) 24
- (3) 29
- (4) 40

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- 19 The figure below is made up of a rectangle and a square.
Find the total length of BC and FG.

- (1) 3 cm
(2) 6 cm
(3) 8 cm
(4) 9 cm



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- 20 There is a sale at a bookstore.

Special offer

1 box of crayons for \$6.30
3 boxes of crayons for \$17.50

Mrs Lee wants to buy 28 boxes of crayons.
What is the least amount of money she has to pay?

- (1) \$58.80
(2) \$163.80
(3) \$175.00
(4) \$176.40

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Section B ($20 \times 2 = 40$ marks)

Write your answers in the answer blanks provided.

For questions that require working, show your working clearly in the space provided.

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

469 , 964 , 496 , 694

_____ , _____ , _____ , _____

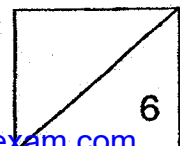
greatest

- 22 Some factors of 12 are 1, 2, 3 and 12.
What are the other two factors of 12?

Ans: _____ and _____

- 23 Find the product of 1804 and 8.

Ans: _____

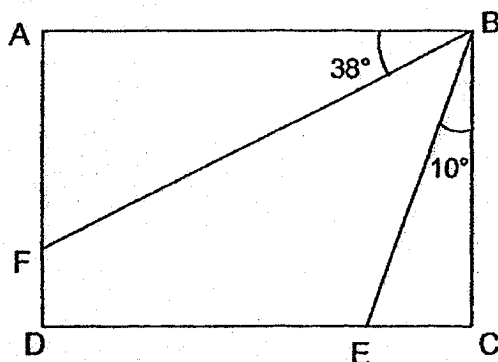


- 24 Measure and write down the size of $\angle x$.



Ans: _____°

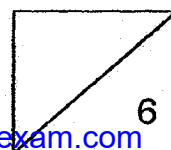
- 25 In the figure below, ABCD is a rectangle. Find $\angle FBE$.



Ans: _____°

- 26 Find the value of $1 - \frac{1}{8} - \frac{1}{2}$.

Ans: _____



27 Round 28.53 to the nearest whole number.

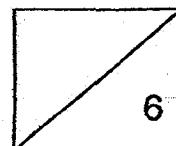
Ans: _____

28 $8.4 - 0.56 =$ _____.

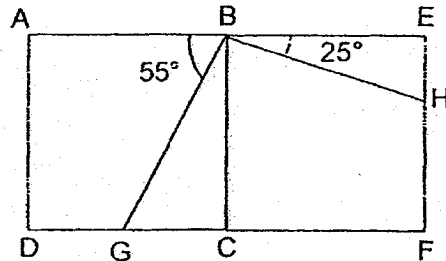
Ans: _____

29 Write $2\frac{3}{5}$ as an improper fraction.

Ans: _____

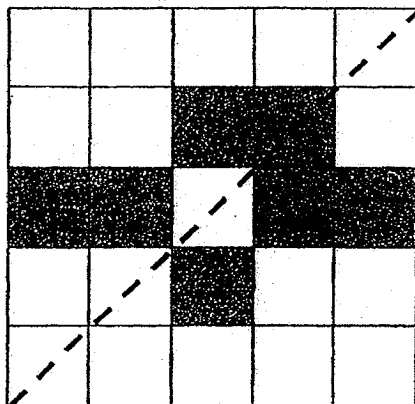


- 30 The figure below is made up of 2 squares, ABCD and BEFC.
 ABE is a straight line.
 $\angle ABG = 55^\circ$ and $\angle EBH = 25^\circ$
 Find $\angle GBH$.



Ans: _____°

- 31 How many more squares need to be shaded to form a symmetrical figure?



Ans: _____

- 32 Susan had 96 beads.
 She gave $\frac{1}{3}$ of it to John and $\frac{1}{4}$ of it to Alice.
 How many beads had she give away?

Ans: _____

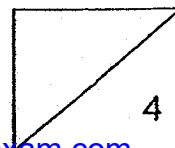


- 33 Farmer Ng bought 1 kg of soil.
He used $\frac{2}{3}$ kg of it for his rose plants and $\frac{1}{4}$ kg of it for his balsam plant.
How much soil had he left?

Ans: _____ kg

- 34 Find the sum of 14 tenths and 76 hundredths.

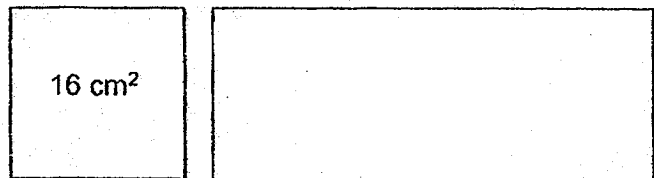
Ans: _____



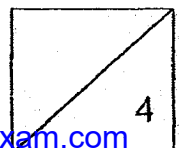
- 35 The sum of two numbers is 40.59.
The larger number is 14.45 greater than the smaller number.
What is the larger number?

Ans: _____

- 36 The figure below shows a square and a rectangle.
The area of the square is 16 cm^2 .
The breadth of the rectangle is the same as the length of the square.
The length of the rectangle is 3 times its breadth.
Find the perimeter of the rectangle.



Ans: _____ cm



- 37 The table below shows the number of books borrowed from January to April.
The number of books borrowed in March is twice as many as the number of books borrowed in February.
Find the total number of books borrowed from January to April.

Month	Jan	Feb	Mar	Apr
Number of books borrowed	45	15		30

Ans: _____

- 38 Lex left his house at 18 00 to go for his swimming lesson.
He walked for 10 min and took a bus for 35 min.
He reached 15 minutes earlier.
What time did the swimming lesson start?

Ans: _____ p.m.

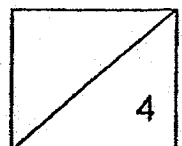


- 39 Donald, Tom and Lily had a total of 640 arrows.
Donald had 68 more arrows than Tom.
Lily had twice as many arrows as Donald.
How many arrows did Tom have?

Ans: _____

- 40 The total mass of 2 textbooks and 7 dictionaries is 17.35 kg.
The total mass of 2 textbooks and 1 dictionary is 3.85 kg.
Find the mass of 1 dictionary.

Ans: _____ kg



Section C ($5 \times 4 = 20$ marks)

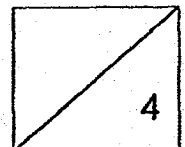
Solve each of the following problems. Show all your working and number equations clearly. Write your answers in the spaces provided.

Working

- 41 Mr Zak had 95 more plates than Mr Wong at first.
After Mr Wong broke 15 of his plates, Mr Zak had 3 times as many plates as Mr Wong in the end.
- (a) How many more plates did Mr Zak have than Mr Wong in the end?
- (b) How many plates did Mr Wong have at first?

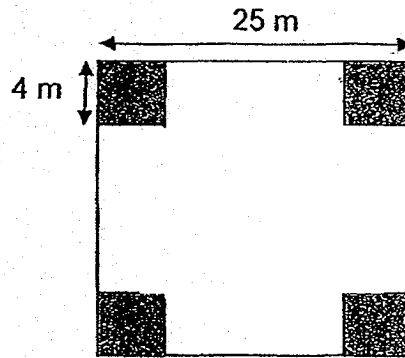
Ans: (a) _____ [1]

(b) _____ [3]

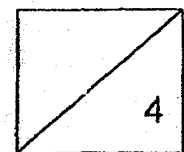


- 42 The figure below shows a big square field of side 25 m.
Four square tiles of side 4 m are built on all the four corners of the field.
Find the area of the field that is not covered by the tiles.

Working



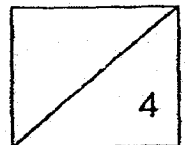
Ans: _____ [4]



- 43 Ali and Baba saved \$95 altogether.
Ali and Carlos saved \$205 altogether.
Carlos saved three times as much as Baba.
How much did the three children save altogether?

Working

Ans: _____ [4]

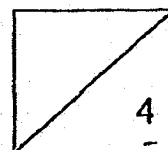


44 Molly ate $\frac{1}{5}$ of a cake and Peter ate $\frac{1}{2}$ of the same cake.

- (a) What fraction of the cake is eaten?
- (b) Given that the mass of cake Peter ate is 270 g heavier than the mass of cake Molly ate, what is the mass of the whole cake?

Working

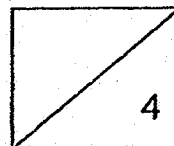
Ans: (a) _____ [1]
(b) _____ [3]



- 45 Jimmy saved \$17.50 in 5 days.
Each day, he saved \$0.50 more than the day before.
How much did he save on the first day?

Working

Ans: _____ [4]



- End of Paper -

SCHOOL : PEI HWA PRIMARY SCHOOL

LEVEL : PRIMARY 4

SUBJECT : MATH

TERM : 2018 SA2

SECTION A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	4	3	3	2	2	1	4	4	1
Q 11	Q12	Q13	Q14	Q15	Q 16	Q17	Q18	Q19	Q20
4	1	2	1	1	2	1	3	4	2

SECTION B

Q21)	964 , 694 , 496 , 469
Q22)	6 and 4
Q23)	14432
Q24)	137°
Q25)	42°
Q26)	3/8
Q27)	29
Q28)	7.84
Q29)	13/5
Q30)	100°
Q31)	2
Q32)	56
Q33)	$8/12 + 3/12 = 11/12$ $1 - 11/12 = 1/12 \text{ kg}$
Q34)	2.16
Q35)	27.52
Q36)	32 cm

Q37)	120
Q38)	7.00 p.m.
Q39)	$4u \rightarrow 436$ $1u \rightarrow 436 \div 4 = 109$
Q40)	$6u \rightarrow 13.50$ $1u \rightarrow 13.50 \div 6 = 2.25\text{kg}$
Q41)	$a) 95 + 15 = 110$ $b) 2u = 110$ $1u = 110 \div 2 = 55$ $55 + 15 = 70$
Q42)	$25 \times 25 = 625$ $4 \times 4 = 16$ $16 \times 4 = 64$ $625 - 64 = 561$
Q43)	$2u = 205 - 95$ $1u = 110 \div 2 = 55$ $95 - 55 = 40$ $55 \times 4 = 220$ $40 + 220 = 260$
Q44)	$a) 5/10 + 2/10 = 7/10$ $b) 3u \rightarrow 270$ $1u \rightarrow 270 \div 3 = 90$ $10u \rightarrow 90 \times 10 = 900 \text{ g}$
Q45)	$0.50 \times 10 = 5.00$ $17.50 - 5.00 = 12.50$ $12.50 \div 5 = \$2.50$