METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

END-OF-YEAR EXAMINATION 2018
PRIMARY 4
MATHEMATICS

(BOOKLET A)

Total Time

Sections A to C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

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

Name: _____( )

Class: Primary 4._____

Date: 26 October 2018

This booklet consists of 8 printed pages including this page

Section A: MCQ (36 marks)

Questions 1 to 18 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.

1. 45 thousands and 6 tens is the same as _____.

   (1) 456
   (2) 4 560
   (3) 45 006
   (4) 45 060

2. Complete the following number pattern.

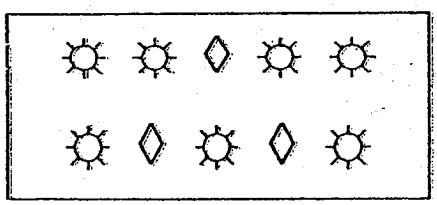
   9, 13, 17, _____, _____, 29

   (1) 23, 27
   (2) 21, 26
   (3) 21, 25
   (4) 18, 28

3. Which of the following decimals is the smallest?

   (1) 0.425
   (2) 0.045
   (3) 0.04
   (4) 0.4

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



   (1) $\frac{3}{7}$
   (2) $\frac{7}{3}$
   (3) $\frac{3}{10}$
   (4) $\frac{7}{10}$

(Go on to the next page)

5. Write $1\frac{4}{25}$ as a decimal.

(1) 1.425
(2) 1.016
(3) 1.16
(4) 1.4

6. A number when rounded to the nearest hundredth becomes 1.95.
What is the largest possible number?

(1) 1.945
(2) 1.952
(3) 1.955
(4) 1.965

7. $6\frac{5}{7} = \frac{\square}{7}$
What is the missing number in the box?

(1) 30
(2) 37
(3) 42
(4) 47

8. Which of the following pair of numbers has 24 as their first common multiple?

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

(Go on to the next page)

9. A shopkeeper has 235 boxes. Each box contains 56 sweets. How many sweets are there in all?

(1) 12 160
(2) 13 160
(3) 14 260
(4) 25 850

10. A bookshelf weighs 3 times as heavy as a chair. The total mass of both bookshelf and chair is 48.6kg.
How heavy is the chair?

(1) 12.15 kg
(2) 16.20 kg
(3) 36.45 kg
(4) 145.8 kg

11. Tom took a flight from Beijing and landed in Changi Airport at 01 30. His flight took 6 h 25 min. What time did the plane take off?

(1) 07 05
(2) 07 55
(3) 19 05
(4) 19 55

12. Subtract 15.07 from 32.8 .

(1) 17.87
(2) 17.73
(3) 17.01
(4) 17.1

(Go on to the next page)

The table below shows how 40 pupils in Primary 4A go to school.
Use the information and answer questions 13 and 14.

Mode of transport	Number of pupils
Walk to school	4
Public bus	3
By school bus	15
By MRT train	12
By Car	?

13. How many pupils go to school by car?

(1) 34
(2) 16
(3) 14
(4) 6

14. If each pupil pays $90 to the school bus driver each month, how much would the bus driver collect per month.

(1) $ 270
(2) $1 350
(3) $1 620
(4) $3 600

(Go on to the next page)

15. What is the sum of $\frac{2}{3}$ and $\frac{3}{4}$?

(1) $1\frac{7}{12}$

(2) $1\frac{5}{12}$

(3) $\frac{5}{12}$

(4) $\frac{5}{7}$

16. Which of the figures below have only 2 lines of symmetry?

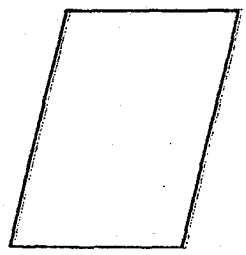


Figure A

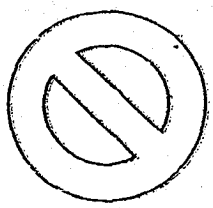


Figure B

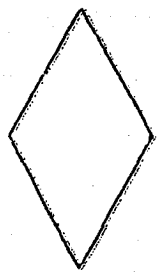


Figure C

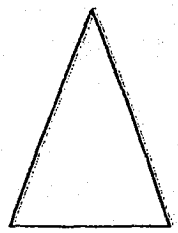


Figure D

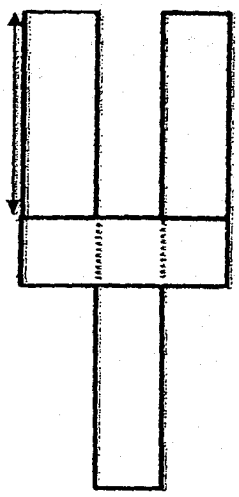
(1) Figure A, C and D

(2) Figure B and C

(3) Figure A and B

(4) Figure C and D

17. The figure below is made up of 4 **identical** rectangles.
What is the perimeter of the figure?



(1) 38 cm
(2) 40 cm
(3) 48 cm
(4) 52 cm

18. Ali and Gopal met at the shopping mall for movie at 08 35.
The movie ended at 11 15.
They then spent 55 min at a bookstore before heading home.
How much time did they spend together?

(1) 4 h 05 min
(2) 3 h 35 min
(3) 3 h 10 min
(4) 2 h 40 min

End of Booklet A

METHODIST GIRLS' SCHOOL (PRIMARY)

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END-OF-YEAR EXAMINATION 2018
PRIMARY 4 MATHEMATICS
BOOKLET B

Total Time: 1 h 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 4._____

Date : 26 October 2018

BOOKLET A	36
BOOKLET B	36
BOO ET C	28
TOTAL	100
Parent's signature	

This booklet consists of 8 printed pages including this page.

Section B: (36 marks)

Questions 19 to 36 carry 2 marks each.
Write out the correct answers for the following questions in the space provided.
Show your working clearly and give your answers in the units provided.

19. Write fifteen thousand and twenty-six in figures.

Ans: _____

20. Some factors of 32 are 1, 2, 8 and 32.

What are the other two factors of 32?

Ans : _____

21. Round 65 320 to the nearest hundred.

Ans : _____

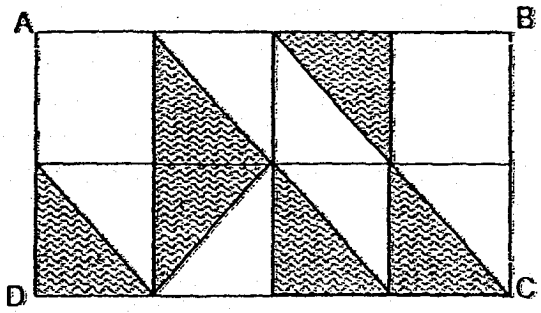
22. Arrange the following fractions from the smallest to the greatest.

$$\frac{6}{8}, \quad \frac{1}{2}, \quad \frac{6}{9}$$

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

(Go on to the next page)

23. In the figure below, rectangle ABCD is made up of 8 unit squares. What fraction of the rectangle ABCD is shaded?



Ans : _____

24. Find the value of 12.76 × 8

Ans : _____

25. 19.06 - 0.97 = _____.

Ans : _____

26. Use the digits below to form the **smallest** **5-digit** odd number. The digit in the hundreds place is twice the digit in the ones place.

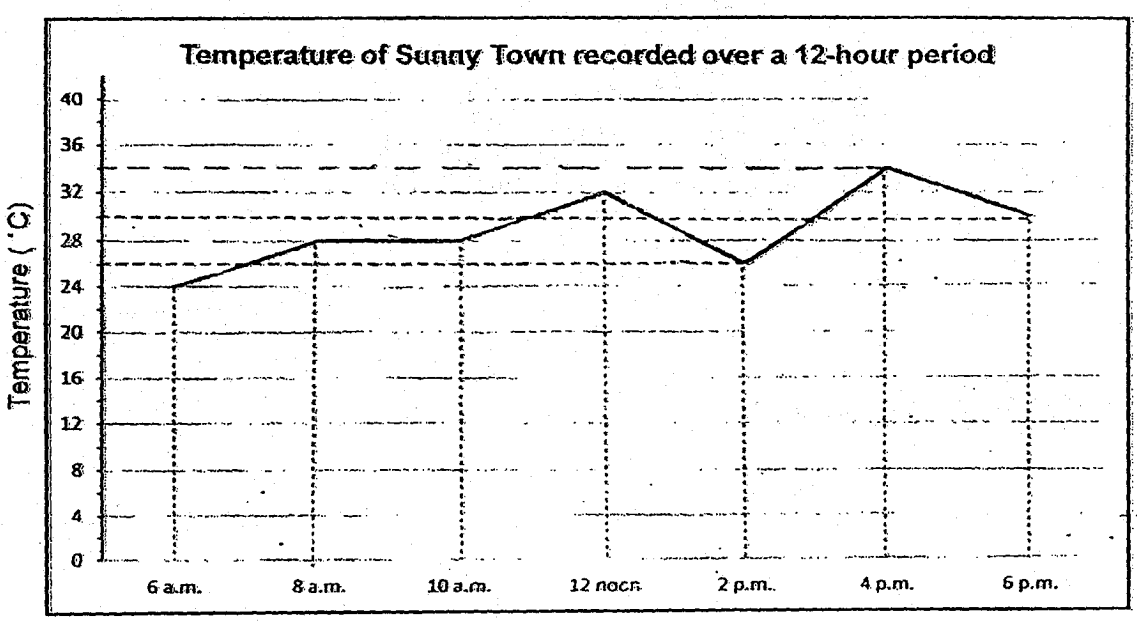
Each digit can be used **only once**.

4	5	1	6	3	2

Ans : _____

(Go on to the next page)

Study the graph carefully and answer questions 27 and 28.
The graph below showed the temperature of Sunny Town recorded over a 12-hour period.



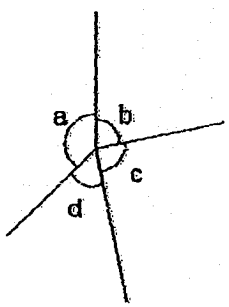
27. During which period of the day was the difference in temperature the greatest?

Ans : Between _____ and _____

28. What was the difference between the highest and lowest temperature?

Ans : _____ °C

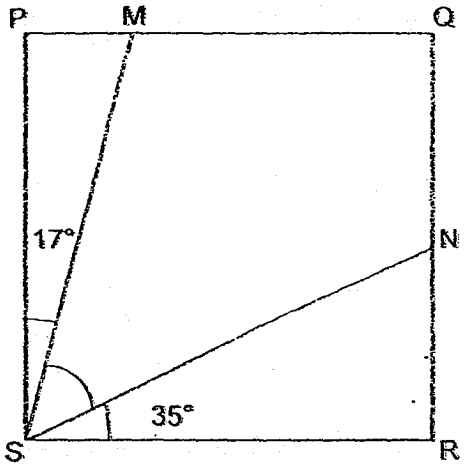
29. In the figure below, name the **smallest** angle.



Ans : ∠ _____

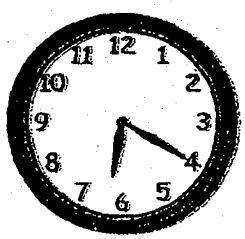
(Go on to the next page)

30. In the figure shown, PQRS is a square. Find $\angle$MSN.



Ans : _____

31. The clock below shows the time when Melissa left her house for school in the morning. The clock was 15 minutes slow.
What was the actual time she left school that morning?
(Give your answer using the 24-hour clock)



Ans : _____

32. Peter bought $2\frac{1}{2}$ kg of rambutans. His family ate $1\frac{1}{4}$ kg of rambutans and he gave some to his neighbour. He then had $\frac{3}{8}$ kg of rambutans left. What was the mass of rambutans he gave to his neighbour?

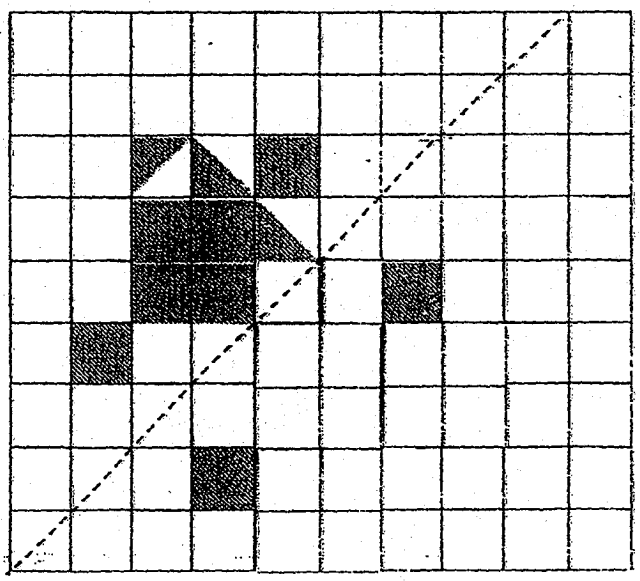
Ans : _____ kg

(Go on to the next page)

33. The perimeter of a square is 36 m. What is its area?

Ans : _____ m^2

34. **Complete** and **shade** the symmetric figure with the dotted line as line of symmetry.

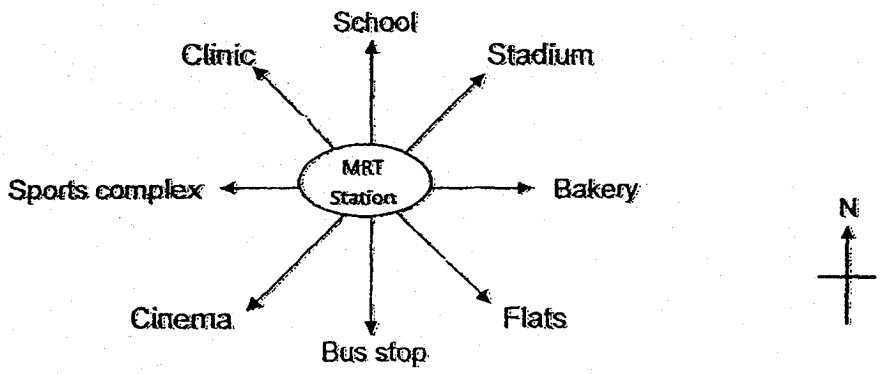


35. The area of a rectangle is 64 cm^2. The length of the rectangle is four times as long as its breadth. What is the length of the rectangle?

Ans : _____ cm

(Go on to the next page)

36. Use the information below to answer Question 36a and 36b.



(a) Raju came out of the MRT station and was facing the bakery. He turned clockwise to face the clinic. What was the angle that he had turned?

Ans : _____ °

(b) May Ling came out of the MRT station. She was facing the stadium. She made a $\frac{3}{4}$ - turn to her left. Which **direction** would she be facing?

Ans : _____

End of Booklet B

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

END-OF-YEAR EXAMINATION 2018
PRIMARY 4
MATHEMATICS

(BOOKLET C)

Total Time

Sections A to C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
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Name: _____( )

Class: Primary 4._____

Date: 26 October 2018

28

This booklet consists of 9 printed pages including this page

Section C: (28 marks)

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

37. Mrs Lim baked more than 20 but fewer than 30 pies.

If she packed them in boxes of 4, she would have 2 extra pies.

If she packed them in boxes of 6, she would need another 2 more pies.

How many pies did Mrs Lim bake?

Do not write anything in this margin.

Ans : _____ [3]

38. Cindy has 3 rows of hibiscus plants in her garden.

In each row, there are 12 plants.

$\frac{1}{6}$ of the plants have pink flowers, $\frac{1}{4}$ of the plants have red flowers while the rest of the plants have yellow flowers.

(a) What fraction of the plants have pink and red flowers?

(b) How many of the hibiscus plants have yellow flowers?

Do not write anything in this margin.

Ans: (a) _____ [1]

(b) _____ [2]

(Go on to the next page)

39. Mrs Pek had some durians at her fruit stall.

$\frac{1}{3}$ of it was spoilt and thrown away.

She sold $\frac{7}{15}$ of her durians.

She had 33 durians left.

How many durians did she have at her fruit stall at first?

Do not write anything in this margin.

Ans : _____ [3]

40. Ahmad and Ben have a total of 78 keychains.
Ben has twice as many keychains as Charlie.
Ahmad has 6 keychains less than Charlie.
(a) How many keychains does Ahmad have?
(b) How many keychains does Charlie have?

Do not write anything in this margin.

Ans : (a) _____ [2]

(b) _____ [1]

(Go on to the next page)

41. Mr Tan paid $16.20 for 4 curry puffs and 6 muffins.
Each muffin cost 30 cents less than a curry puff.
What was the total cost of a curry puff and a muffin?

Do not write anything in this margin.

Ans : _____ [4]

42. A total of 26 cars and motorcycles were parked at Orange Grove Primary School. There were 92 wheels altogether.

(a) How many cars were there in the carpark?

(b) What was the difference between the number of cars and motorcycles?

Do not write anything in this margin.

Ans : (a) _____ [3]

(b) _____ [1]

(Go on to the next page)

43. Andy had $2 more than Samy.
After Andy spent $6.50, Samy had 3 times as much money as Andy.
(a) How much money did Andy have left?
(b) What was the total amount the 2 boys had at first?

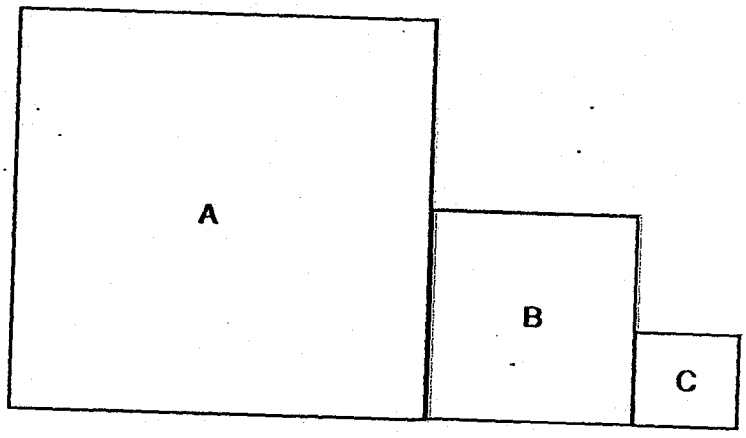
Do not write anything in this margin.

Ans : a) _____ [2]

b) _____ [2]

(Go on to the next page)

44. In the figure below, A, B, C are squares.
The area of A is four times the area of B.
The area of B is four times the area of C. The area of C is 4 cm^2.
What is the perimeter of the figure?



Do not write anything in this margin.

Ans: _____

End of Booklet C

ANSWER KEY

YEAR	:	2018
LEVEL	:	PRIMARY 4
SCHOOL	:	METHODIST GIRLS' SCHOOL
SUBJECT	:	MATHEMATICS
TERM	:	SA2

Section A

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

Section B

Q19 15 026

Q20 4 , 16

Q21 65 300

Q22 $\frac{1}{2}, \frac{6}{9}, \frac{6}{8}$

Q23 $\frac{3}{8}$

Q24 102.08

Q25 18.09

Q26 12643

Q27 Between 2pm and 4pm

Q28 10°C

Q29 ∠d

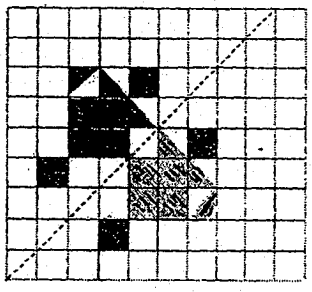
Q30 38°

Q31 0635 hrs

Q32 $\frac{7}{8}$ kg

Q33 81 m^2

Q34



Q35 16 cm

Q36 (a) 225°

(b) south-east

Section C

Q37 22 pies

Q38 (a) $\frac{2}{12} + \frac{3}{12} \Rightarrow \frac{5}{12}$

(b) 12 x 3 = 36

$\frac{12}{12} - \frac{5}{12} = \frac{7}{12}$

$= \frac{21}{36} \Rightarrow$ **21 plants**

Q39 $\frac{5}{15} + \frac{7}{15} = \frac{12}{15}$

$\frac{15}{15} - \frac{12}{15} = \frac{3}{15}$

3u = 33
1u = 11
15u = 11 x 15 ⇒ <u>165 durians</u>

Q40 (a) 28 – 6 ⇒ <u>22 keychains</u>

(b) 78 + 6 = 84
84 ÷ 3 ⇒ <u>28 keychains</u>

Q41 0.30 x 4 = 1.20
16.20 – 1.20 = 15.00
15.00 ÷ 10 = 1.50
1.50 x 2 = 3.00
3.00 + 0.30 ⇒ <u>$3.30</u>

Q42 (a) Assume all were motorcycles
Total → 2 x 26 = 52
Extra → 92 – 52 = 40
Difference → 4 - 2 = 2
Opposite → 40 ÷ 2 ⇒ <u>20 cars</u>

(b) 26 – 20 = 6
20 - 6 ⇒ <u>14</u>

Q43 (a) 6.50 – 2.00 = 4.50
4.50 ÷ 2 ⇒ <u>$2.25</u>

(b) 2.25 x 3 = 6.75
2.25 + 6.50 = 8.75
6.75 + 8.75 ⇒ <u>$15.50</u>

Q44 Area of B → 4 x 4 = 16
Area of A → 16 x 4 = 64

$$\sqrt{64}^{8}$$

$$\sqrt{16}^{4}$$

$$\sqrt{4}^{2}$$

8 + 4 + 2 = 14
14 x 2 = 28
8 x 2 = 16
28 + 16 ⇒ <u>44 cm</u>

End