METHODIST GIRLS' SCHOOL (PRIMARY)
Founded in 1887

MID-YEAR EXAMINATION 2018

PRIMARY 4

MATHEMATICS

(SECTION 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 : 4 May 2018

36

This booklet consists of 8 printed pages including this

SECTION A: 36 marks

Questions 1 to 18 carry 2 mark 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 4 ten thousands, 3 hundreds, 5 tens and 7 ones is the same as _____.

(1) 4 357
(2) 40 357
(3) 400 357
(4) 410 357

2 Which one of the following has digit 3 in the thousands place?

(1) 36 045
(2) 53 064
(3) 54 365
(4) 64 530

3 What is the missing number in the box?

80 000 + 9 000 + ☐ + 7 = 89 127

(1) 12
(2) 20
(3) 100
(4) 120

(Go on to the next page)

4 Which one of the following is the second common multiple of 2 and 4?

(1) 16
(2) 12
(3) 8
(4) 4

5 $45 \times 38 = 45 \times 30 + \square \times 45$. What is the number in the box?

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

6 Ali painted $\frac{2}{5}$ of a pole red, $\frac{1}{3}$ of the pole green and the rest blue.

What fraction of the pole was painted blue?

(1) $\frac{3}{8}$
(2) $\frac{5}{8}$
(3) $\frac{4}{15}$
(4) $\frac{11}{15}$

(Go on to the next page)

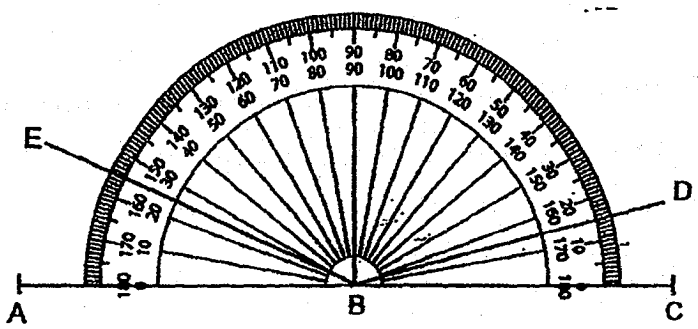
7 A goodie bag cost $6. The organiser of a charity event bought 1 276 goodie bags to give to all the children who were present. What was the total amount the organiser had to pay?

(1) $6 226
(2) $6 650
(3) $7 650
(4) $7 656

8 Which of the following numbers when rounded to nearest 1000 gives 24 000?

(1) 23 499
(2) 23 490
(3) 24 499
(4) 24 509

9 Which one of the following angles is 25°?



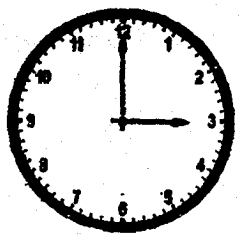
(1) ∠ABE
(2) ∠ABD
(3) ∠CBE
(4) ∠CBD

(Go on to the next page)

10 How many quarters are there in $3\frac{1}{4}$?

(1) 13
(2) 12
(3) 8
(4) 7

11 The time on the clock is 3.00 p.m. What time will it be when the minute hand turns 180° clockwise?



(1) 2.30 p.m.
(2) 2.45 p.m.
(3) 3.15 p.m.
(4) 3.30 p.m.

12 Pui San had some stamps. She gave her sister $\frac{2}{5}$ of the stamps and had 30 stamps left. How many stamps did Pui San have at first?

(1) 10
(2) 12
(3) 50
(4) 75

(Go on to the next page)

13 Convert $2\frac{3}{7}$ to an improper fraction.

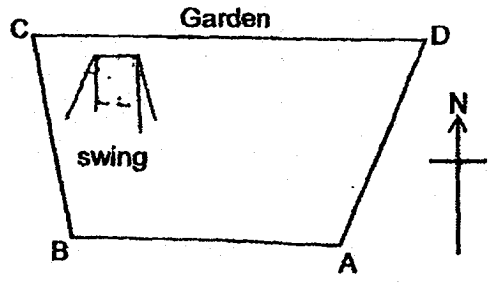
(1) $\frac{12}{7}$

(2) $\frac{13}{7}$

(3) $\frac{14}{7}$

(4) $\frac{17}{7}$

14 The figure below shows the position of a swing in a garden.
Which corner of the garden is north-east of the swing? -



(1) A

(2) B

(3) C

(4) D

(Go on to the next page)

15 One page in a stamp album holds 24 stamps. There are 36 pages in the stamp album. What is the maximum number of stamps the album can hold?

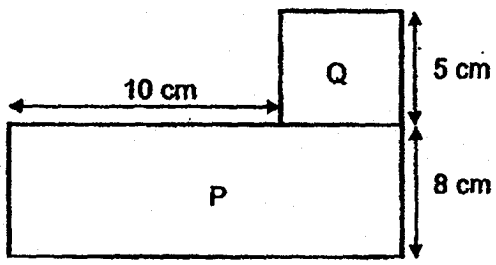
(1) 864
(2) 744
(3) 216
(4) 144

16 A number rounded to the nearest ten is 5 250. Which one is the greatest possible number?

(1) 5 000
(2) 5 245
(3) 5 254
(4) 5 300

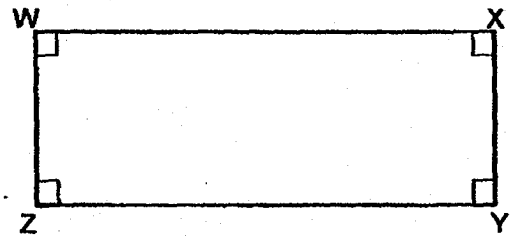
(Go on to the next page)

17 The figure below is made up of rectangle P of breadth 8 cm and square Q with side 5 cm. What is the length of rectangle P?



(1) 10 cm
(2) 13 cm
(3) 15 cm
(4) 18 cm

18 WXYZ is a rectangle. How many **pairs** of parallel lines are there?



(1) 1
(2) 2
(3) 3
(4) 4

END OF SECTION A

Go on to Section B

METHODIST GIRLS' SCHOOL (PRIMARY)

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PRIMARY 4

MATHEMATICS

(SECTION B)

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.

Name : _____ ( )

Class : Primary 4. _____

Date : 4 May 2018

SECTION A	36
SECTION B	36
SECTION C	28
TOTAL	100

This booklet consists of 9 printed pages including this page

SECTION B: 36 marks

Questions **19** to **36** carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write in this space

19 13 450 is 150 less than _____.

Ans:_____

20 Use the digits below to form the greatest 5-digit even number with 6 in the tens place.

3	5	4	6	9	2

Ans:_____

21 Find the value of $\frac{2}{3} + \frac{7}{8}$ Give your answer as a mixed number.

Ans:_____

(Go on to the next page)

22 What is the difference between the 2nd and 7th multiple of 8?

Do not write in this space

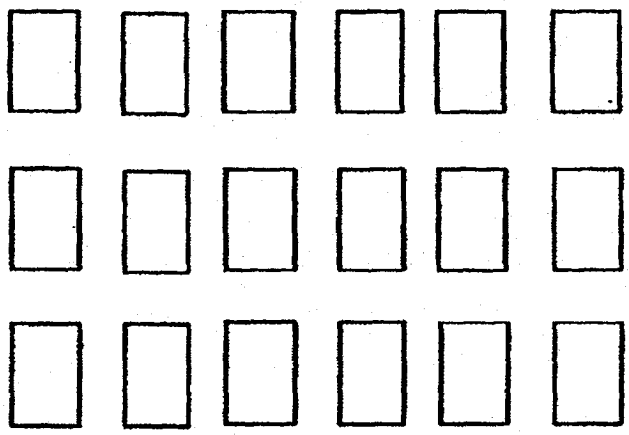
Ans: _____

23 Complete the number pattern.

3 070, 3 190, 3310, _____, 3 550

Ans: _____

24 Study the figure below. Shade the number of rectangles to show $\frac{2}{9}$ of the figure



(Go on to the next page)

25 Ali has 1 404 Malaysia and Singapore stamps.
He has 5 times as many Singapore stamps as Malaysia stamps.
How many Malaysia stamps does Ali have?

Do not write in this space

Ans:_____

26 The mass of a hamper with 10 similar bottles of chicken essence and a bouquet of flowers is 1200 g. The mass of the empty basket is 160g.
The mass of each bottle of chicken essence is 70g.
What is the mass of the bouquet of flowers?

Ans:_____

(Go on to the next page)

27 There are 4 times as many ducks as chickens in a farm.
There are 600 ducks in the farm.
How many more ducks than chickens are in the farm?

Do not write in this space

Ans: _____

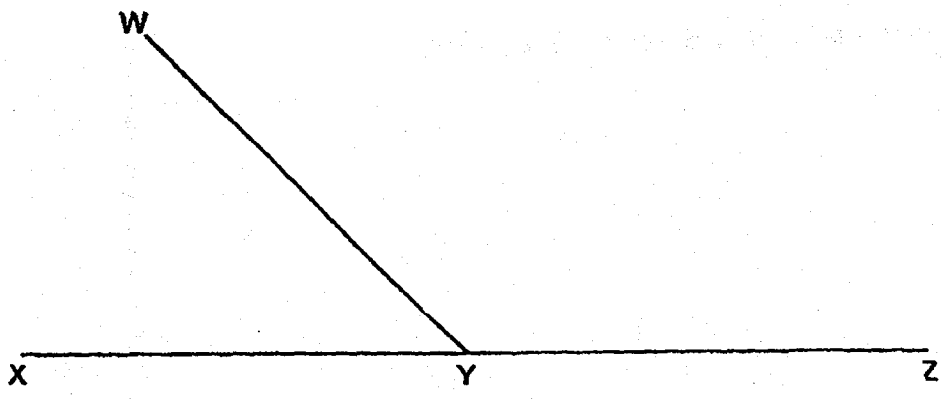
28 180 people went to a concert. $\frac{1}{3}$ of the people were men, $\frac{4}{9}$ of them were women and the rest were children. How many children attended the concert?

Ans: _____

(Go on to the next page)

29 Mark ∠WYZ and use a protractor to measure its size.

Do not write in this space



Ans: _____

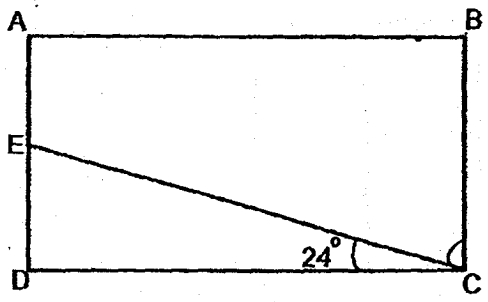
30 When a number is divided by 8, the quotient is 276 and the remainder is 1.
What is the number?

Ans: _____

(Go on to the next page)

Do not write in this space

31 ABCD is a rectangle. Find ∠BCE.



Ans: _____

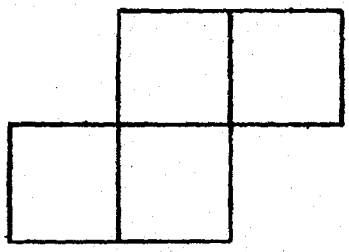
32 Mrs Lim wanted to put 60 pupils in groups for project work.
Each group should have an equal number of pupils.
There should not be more than 10 groups.
The number of pupils in each group should be more than 6 but less than 12.
How many pupils should there be in each group if no pupil is left out?

Ans: _____

(Go on to the next page)

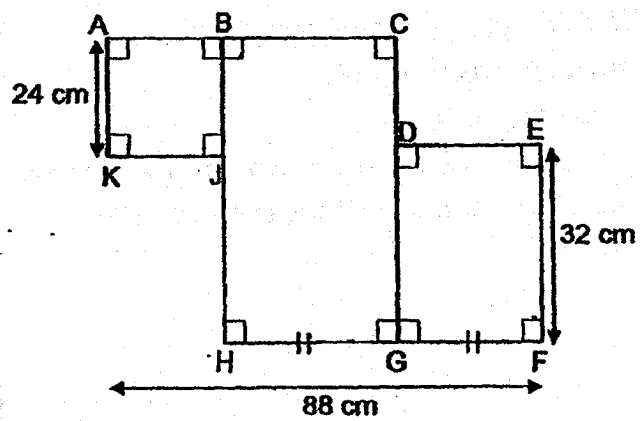
33 The figure below is made up of 4 identical squares. The perimeter of the figure is 50 cm. What is the length of each side of the square?

Do not write in this space



Ans: _____ cm

34 The figure below is made up of a square ABJK and two rectangles BCGH and DEFG. HG = FG. Find the length BC.



Ans: _____ cm

(Go on to the next page)

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35 The mass of a sack of rice was 5 kg. Mrs Ho gave $\frac{1}{2}$ kg of it to her neighbour and cooked $\frac{5}{6}$ kg of it for dinner. How much rice had she left? Give your answer as a mixed number in its simplest form

Ans: _____ kg

36 A bottle is $\frac{5}{6}$ full when it is filled with 10 litres of water. How much water is there in the bottle when it is $\frac{1}{3}$ full?

Ans: _____ litres

END OF SECTION B

(Go on to Section C)

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

MID-YEAR EXAMINATION 2018

PRIMARY 4

MATHEMATICS

(SECTION 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.

Name : _____( )

Class : Primary 4._____

Date : 4 May 2018

28

This booklet consists of 7 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 the brackets [ ] at the end of each question or part question.

Do not write in this space

37 The librarian packed 470 books into 3 boxes. The first box has 50 more than the second box. The third box has twice as many books as the second box. How many books are there in the second box?

Ans: _____ [3]

38 Kim spent $2 400 at a furniture shop. He bought a rocking chair for his mother and 3 study tables at $560 each for his 3 children.

(a) How much did he spend on the 3 study tables?

(b) What is the cost of the rocking chair?

Ans: (a) _____ [1]

Ans: (b) _____ [2]

(Go on to the next page)

39 The usual price of a printer is $286. During a sale, it is sold at $229. An owner of a tuition centre wants to buy 6 such printers. How much will he save if he buys them during the sale?

Do not write in this space

Ans: _____ [3]

40 Mrs Tan has some money. She spent $\frac{2}{3}$ of it on a blouse and $\frac{1}{5}$ of it on a shawl. She had $56 left. How much money did she have at first?

Ans: _____ [4]

(Go on to the next page)

41 There were 5 770 boxes of fruits in the warehouse.
There were 1 246 boxes of oranges. The rest were apples and pears.
There were 250 more boxes of pears than apples. How many boxes of apples were there in the warehouse?

Do not write in this space

Ans: _____ [4]

(Go on to the next page)

42 A tailor had 1000 buttons. He sewed 7 buttons on each blouse.
He later sold all the blouses at $39 each.

(a) How many blouses did the tailor manage to fix the buttons on?

(b) What was the total amount collected by the tailor?

Do not write in this space

Ans: (a) _____ [2]

Ans: (b) _____ [2]

(Go on to the next page)

43 Mr Raju bought 3 handphones and 2 earphones for $2 415.
The earphone is $555 cheaper than the handphone.
What is the total price of 1 handphone and 1 earphone?

Do not write in this space

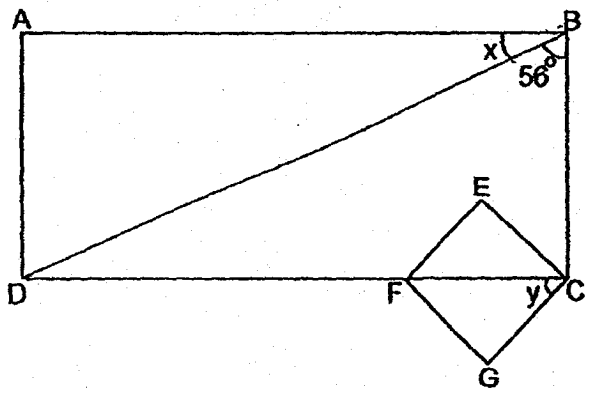
Ans: _____ [4]

(Go on to the next page)

44 The figure below is made up of a rectangle ABCD and a square CEFG.

(a) Find $\angle x$.

(b) Find $\angle y$.



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Ans: (a) _____ [1]

Ans: (b) _____ [2]

END OF PAPER

ANSWER KEY

YEAR : 2018
LEVEL : PRIMARY 4
SCHOOL : METHODIST GIRLS' SCHOOL
SUBJECT : MATHEMATICS
TERM : SA1

Section A

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

Section B

Q19 13 600

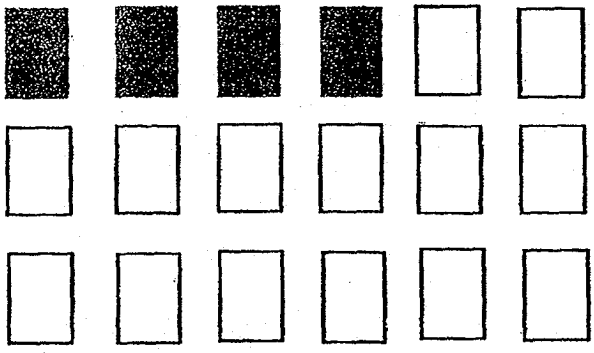
Q20 95462

Q21 $1\frac{13}{24}$

Q22 40

Q23 3430

Q24



Q25 234 stamps

Q26 340 g

Q27 450 more ducks

Q28 40 children

Q29 135°

Q30 2209

Q31 66°

Q32 10 pupils

Q33 5 cm

Q34 32 cm

Q35 $3\frac{2}{3}$ kg

Q36 4 litres

Section C

Q37 470 – 50 = 420
420 ÷ 4 ⇒ 105 books

Q38 (a) 560 x 3 ⇒ $1680

(b) 2400 – 1680 ⇒ $720

Q39 286 x 6 = 1716
229 x 6 = 1374
1716 – 1374 ⇒ $342

Q40 $\frac{2}{3} = \frac{10}{15}$

$\frac{10}{15} + \frac{3}{15} = \frac{13}{15}$

$\frac{15}{15} - \frac{13}{15} = \frac{2}{15}$

$\frac{1}{5} + \frac{3}{15}$

$\frac{2}{15} \rightarrow \$56$

$\frac{1}{15} \rightarrow 56 \div 2 = 28$

$\frac{15}{15} \rightarrow 28 \times 15 \Rightarrow \underline{\$420}$

Q41 $1246 + 250 = 1496$
$5770 - 1496 = 4274$
$4274 \div 2 \Rightarrow \underline{2137 \text{ boxes}}$

Q42 (a) $1000 \div 7 \Rightarrow \underline{142 \text{ blouses}}$

(b) $142 \times 39 \Rightarrow \underline{\$5538}$

Q43 $555 \times 3 = 1665$
$2415 - 1665 = 550$
$550 \div 5 = 110$
$110 \times 2 = 220$
$220 + 555 \Rightarrow \underline{\$775}$

Q44 (a) $\angle x \rightarrow 90° - 56° \Rightarrow \underline{34°}$

(b) $\angle y \Rightarrow \underline{45°}$

End