METHODIST GIRLS' SCHOOL (PRIMARY)
Founded in 1887

MID-YEAR EXAMINATION 2018
PRIMARY 5
MATHEMATICS

PAPER 1
BOOKLET A

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
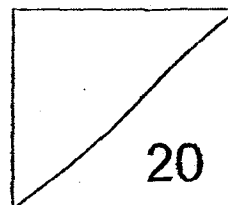Follow all instructions carefully.
Answer all questions.
Shade your answers in the Optical Answer Sheet (OAS) provided.
The use of calculators is **NOT** allowed.

Name: _____ ( )

Class: Primary 5._____

Date: 4 May 2018

20

This booklet consists of **6** printed pages including this page.

Questions **1** to **10** carry 1 mark each. Questions **11** 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). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)

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1   The value of the digit 6 in 8 697 025 is _____.

     (1)   6 x 100

     (2)   60 x 100

     (3)   60 x 1 000

     (4)   600 x 1 000

2   Find the value of $24 \div (6 + 2 \times 3) + 9 \times (4 + 5)$.

     (1)   83

     (2)   91

     (3)   99

     (4)   181

3   Round 541 703 to the nearest thousand.

     (1)   540 000

     (2)   541 000

     (3)   541 700

     (4)   542 000

4 $\boxed{} - \dfrac{2}{3} = 1\dfrac{3}{5}$

     (1) $\dfrac{14}{15}$

     (2) $1\dfrac{1}{2}$

     (3) $1\dfrac{5}{8}$

     (4) $2\dfrac{4}{15}$

5 Mary had 2 m of ribbon. She used all of it to tie 3 similar presents. How much ribbon did she use to tie each present?

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

(2) $\frac{1}{3}$ m

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

(4) $1\frac{1}{2}$ m

6 Mr Ahmad bought some minced beef. He used $\frac{1}{3}$ of it to make some beef balls and $\frac{1}{4}$ of the remainder to make some beef patties. What fraction of the beef was Mr Ahmad left with?

(1) $\frac{3}{4}$

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

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

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

7 Jiemei bought 150 beads. 78 beads were yellow and the rest were green. What fraction of the beads she bought was green?

(1) $\frac{12}{25}$

(2) $\frac{13}{25}$

(3) $\frac{18}{25}$

(4) $\frac{44}{75}$

8 Find the value $7\frac{1}{4} - 5\frac{5}{6}$.

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

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

(3) $2\frac{7}{12}$

(4) $13\frac{1}{12}$

9 Which one of the following is **not** equal to $\frac{7}{9}$?

(1) $7 \div 9$

(2) $\frac{1}{9} \times 7$

(3) $1 - \frac{3}{9}$

(4) $\frac{4}{9} + \frac{1}{3}$

10 $\boxed{}$: 12 = 12 : 9

What is the missing number in the box?

(1) 16

(2) 15

(3) 3

(4) 9

11 The ratio of the number of girls to the number of boys at a camp is 5 : 8.
    There are 102 more boys than girls. How many boys are there?

    (1)   94
    (2)   170
    (3)   272
    (4)   442

12 A rope of length 72 cm was cut into three pieces. The first piece was three
    times as long as the second piece. The second piece was twice as long as
    the third piece. How long was the second piece?

    (1)   12 cm
    (2)   16 cm
    (3)   18 cm
    (4)   24 cm

13 Three boys, Aaron, Bob and Chris, shared a sum of $1370 in the ratio of
    1 : 3 : 6 respectively. How much more money did Bob receive than Chris?

    (1) $137
    (2) $274
    (3) $411
    (4) $685

14 Mary gave $\frac{1}{3}$ of her stickers to her sister and $\frac{5}{12}$ of the remainder to her
    brother. Mary then had 35 stickers left. How many stickers did Mary have at
    first?

    (1)   30
    (2)   60
    (3)   90
    (4)   140

15 Find the area of the shaded triangle below.

12 cm

8 cm

4 cm   B. 6 cm
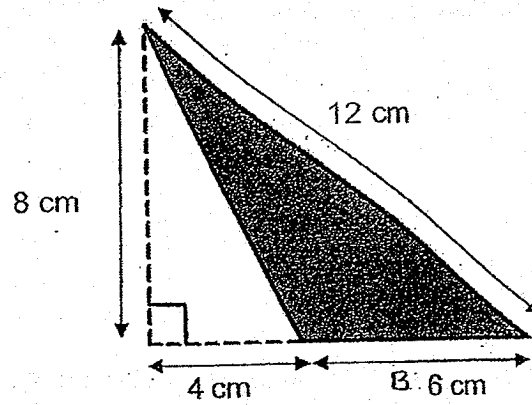
(1) 24 cm²

(2) 36 cm²

(3) 40 cm²

(4) 48 cm²

(Go on to Booklet B)

METHODIST GIRLS' SCHOOL (PRIMARY)

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MGS

MID-YEAR EXAMINATION 2018
PRIMARY 5
MATHEMATICS

PAPER 1
BOOKLET B

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
Write your answers in this booklet.
The use of calculators is **NOT** allowed.

Name: _____ (   )

Class: Primary 5._____

Date :   4 May 2018

Paper 1 Booklet A	**/ 20**
Paper 1 Booklet B	**/ 25**
Paper 2	**/ 55**
TOTAL	**/ 100**

Parent's Signature:_____

This booklet consists of **8** printed pages including this page.

Questions **16** to **20** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

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16   Write eight million, eleven thousand and forty in figures.

Ans:_____

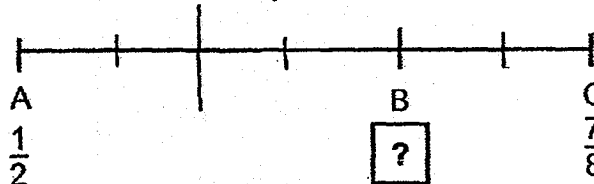
17 $640\ 000 \div \boxed{} = 64 \times 10$

What is the missing number in the box?

Ans:_____

---

18   In the number line shown below, the length of AB is twice of BC.

A represents $\frac{1}{2}$ and C represents $\frac{7}{8}$. What fraction is represented at B? Give your answer in the simplest form.

A
$\frac{1}{2}$
B
$\boxed{?}$
C
$\frac{7}{8}$

Ans:_____

19 Mrs Koh bought 13 kg of meat for a barbeque. She used $9\frac{2}{3}$ kg of it.
How much meat had she left?

Ans: _____ kg

---

20 The solid below is made up of 1-cm cubes. Find the volume of the solid.

Ans:_ _____ cm^3

3   (Go on to the next page)
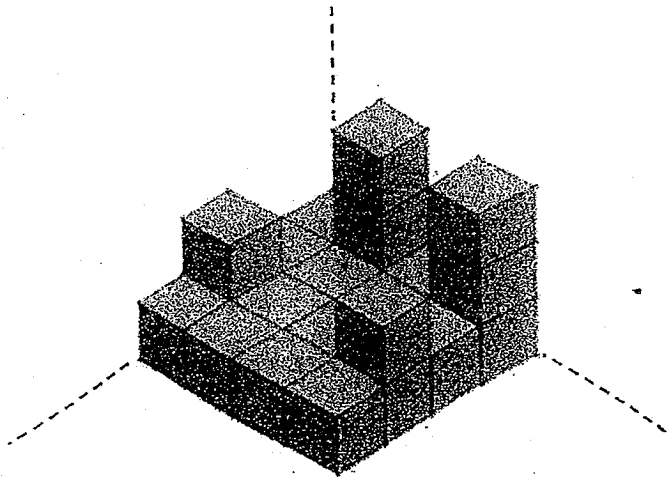
Questions **21** to **30** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.   (20 marks)

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21   There were 1500 spectators at a softball match. $\frac{1}{3}$ of them were men, $\frac{1}{5}$ were women and the rest were children. $\frac{3}{7}$ of the children were girls and the rest were boys. How many boys were at the match?

Ans: _____

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22   The figure below is made up of triangles.
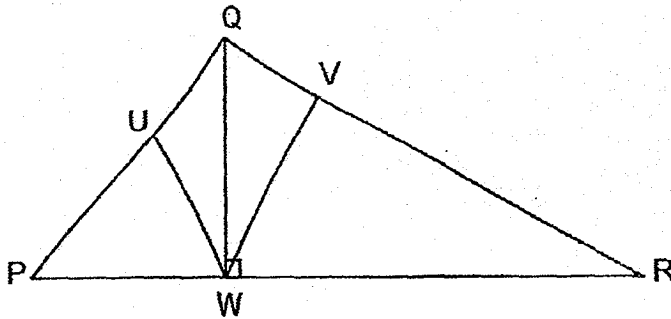
The statement below is either true, false or not possible to tell from the information given. Put a tick (✓) in the correct column.

Statements	True	False	Not Possible to tell
(a) The line QW can be the height of both triangle QRW and triangle PQR.			
(b) The base of triangle PQW is PQ. Its height is UW.			

4   (Go on to the next page)

23 Express $4\frac{11}{12}$ as a decimal. Give your answer correct to 2 decimal places.

Ans: _____

---

24 John's home is 6 km away from the library. He jogged $\frac{2}{3}$ of the distance and walked the rest of the distance. What was the distance that he walked?

Ans: _____ m

25 Mr Wong bought $3\frac{1}{2}$ kg of chicken. He used $2\frac{2}{3}$ kg of it to cook some curry. He gave $\frac{4}{7}$ of the remainder to Mrs Lim. How much chicken had he left in the end?

Ans: _____ kg

26 The ratio of the amount of money Jane had to the amount of money Kathy had was 5 : 3. Jane had $300 more than Kathy.
How much money did they have altogether?

Ans: $ _____

(Go on to the next page)

27 The ratio of the sides of a triangle is 3 : 2 : 4. The length of the longest side is 12 cm. What is the length of the shortest side of the triangle?

Ans: _____ cm

28 There is a total of 82 apples and oranges in a box. There are 14 more oranges than apples. What is the ratio of the number of oranges to the number of apples? Express your answer in its simplest form.

Ans: _____

(Go on to the next page)

29 Luke wants to make a solid consisting of 64 cubes. After forming the solid below, he ran out of cubes. How many **more** cubes does he need to complete his task?
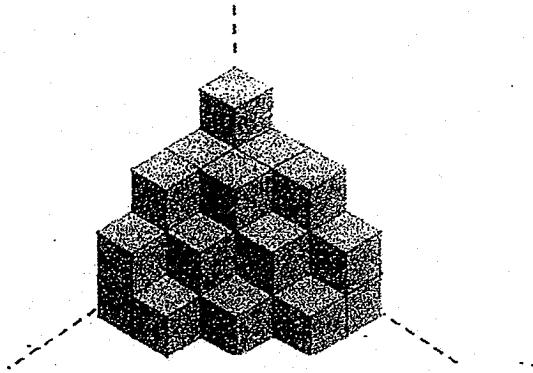
Ans: _____
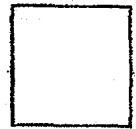
30 Arief went to the bank to exchange $295 for some $2 and $5 notes. He has 3 more $5 notes than $2 notes. How many $2 notes did he receive?

Ans: _____
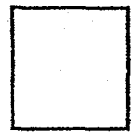
End of Paper

8

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

MID-YEAR EXAMINATION 2018
PRIMARY 5
MATHEMATICS

PAPER 2

Duration: 1h 30 min

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
Write your answers in this booklet.
The use of an approved calculator is expected, where appropriate.

Name: _____ (   )

Class: Primary 5._____

Date :   4 May 2018

	55
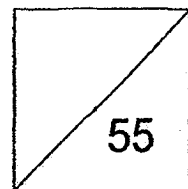
Parent's Signature: _____

This booklet consists of **13** printed pages including this page.

Questions **1** to **5** 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.   (10 marks)

Do not write
in this space

1   Danny bought $4\frac{4}{5}$ kg of prawns at \$6 per kilogram and $3\frac{1}{5}$ kg of squid at

     \$5 per kilogram. How much did he pay altogether?

                                                    Ans: \$ _____

2   A shopkeeper sold an equal number of caps and shirts for \$312.
     A cap cost \$17. It was \$5 cheaper than a shirt.
     How many shirts did he sell?

                                                    Ans: _____

3   There was an equal number of guppies and swordtails in an aquarium. After selling 581 guppies and 205 swordtails, there were 5 times as many swordtails as guppies left. How many guppies were in the aquarium at first?
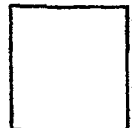
Ans : _____

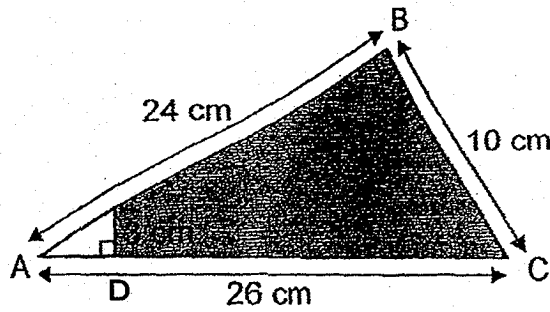4   Find the area of the shaded figure in the diagram shown below.

1 cm

1 cm

Ans:_____ cm^2

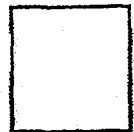3   (Go on to the next page)

5   ABC is a right-angled triangle. DC is 22 cm.

Find the shaded area.

Ans: _____ cm²

4   (Go on to the next page)

6   Pears were sold in packets of 12 and each packet cost $7. William had $240. How many pears could he buy at most?

Ans: _____ [3]
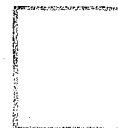
7   At first, Lily had $1144 and Diana had $526. After they each spent an equal amount of money, Lily then had 4 times as much money as Diana. How much did each girl spend?
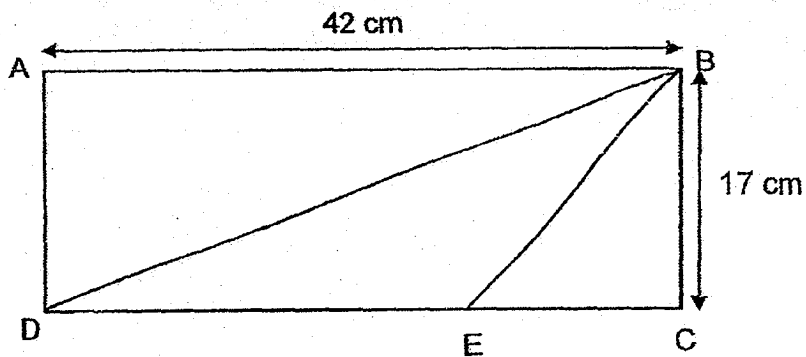
Ans: _____ [3]

8   Sharon baked some muffins. She gave $\frac{2}{5}$ of it to her sister and $\frac{2}{5}$ of the remainder to her neighbour. She had 45 muffins left.
How many muffins did she bake at first?

Ans:_____ [3]

---

9   ABCD is a rectangle. AB is 42 cm and BC is 17 cm.
The ratio of the length of DE to the length of EC is 2 : 1.
What is the area of triangle DBE?

Ans:_____ [3]

6   (Go on to the next page)

10   A skirt costs 5 times as much as a blouse. Marie paid a total of $132
     for 2 identical skirts and 1 blouse. Find the cost of one skirt.
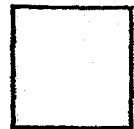
                                                        An :_ _____ [3]

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11   There were 225 more packets of sugar in Store A than in Store B.
     After 33 packets of sugar were transferred from Store B to Store A,
     there were 4 times as many packets of sugar in Store A as in Store B.
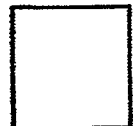   How many packets of sugar were there in Store A at first?

   Ans:_____ [4]

12 Mr Lim drove from Town A to Town C. After driving $\frac{3}{8}$ of the distance, he stopped for lunch. After lunch, he drove for another 42 km before stopping at Town B to buy a drink. He then had $\frac{1}{3}$ of the distance left. What was the distance between Town A and Town C?

Ans: _____ [4]

13 Sheila bought a piece of cloth measuring 1 m by 1 m. She cut out a rectangle measuring $\frac{3}{5}$ m by $\frac{1}{2}$ m as shown below.
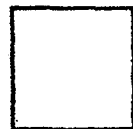
1 m

1 m
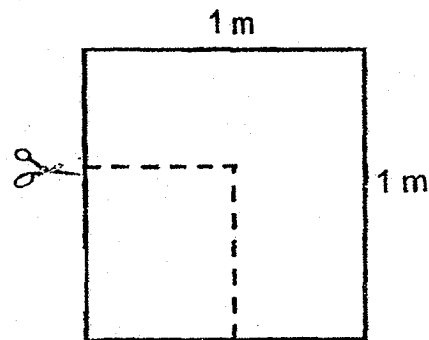
(a) What was the area of the cloth left?

(b) What was the perimeter of the remaining cloth?

Ans: (a) _____ [2]

(b) _____ [2]

9   (Go on to the next page)

14   Ali is three times as old as his son. He is 24 years older than his son. How many years ago was Ali four times as old as his son?

Ans :_____ [4]

15   A teacher has a bag of marbles to distribute equally to his pupils.
      If each pupil gets 10 marbles, the teacher has 34 marbles left.
      If each pupil gets 12 marbles, the teacher is short of 48 marbles.

      (a) How many pupils are there?
      (b) How many marbles does the teacher have in the bag?

Ans: (a) _____ [3]

       (b) _____ [2]

(Go on to the next page)

16   Peter, James, Mark and Ali shared the cost of a present.

Peter paid $\frac{3}{8}$ of the cost and James paid $\frac{1}{4}$ of the cost.

Mark paid $\frac{1}{3}$ of the remaining cost and Ali paid the rest.

(a)   What fraction of the cost of the present did Mark pay?

(b)   Peter paid $17 more than Ali. What was the cost of the present?

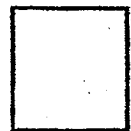Ans : (a) _____ [2]

(b) _____ [3]

(Go on to the next page)

17 Sasha and Melissa had a total of $360. Sasha gave $\frac{1}{6}$ of her amount to Melissa. Melissa then gave $\frac{3}{7}$ of her amount to Sasha. Both of them then had the same amount of money in the end. How much did each girl have at first?

Ans: Sasha _____

Melissa _____ [4

End of Paper

SCHOOL : MGS PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2018 SA1

PAPER 1 BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	1	4	4	3	2	1	1	3	1

Q11	Q12	Q13	Q14	Q15
3	2	3	3	1

PAPER 1 BOOKLET B

Q16)	8011040
Q17)	1000
Q18)	¾
Q19)	3 1/3
Q20)	22 cm3
Q21)	400
Q22)	a)True b)False
Q23)	4.92
Q24)	2000 m
Q25)	5/14 kg
Q26)	$1200
Q27)	6 cm
Q28)	24 : 17
Q29)	34
Q30)	40

Q1)	4 x $6 = $24
	$6 ÷ 5 x 4 = 4.8
	4.8 + 24 = 28.8
	3 x 5 + 24 = 28.8
	5 ÷ 5 = 1
	15 + 1 = 16
	28.8 + 16 = $44.80
Q2)	$17 + $5 = $22
	$17 + $22 = $39
	$312 ÷ $39 = 8
Q3)	4u = 581 − 205 = 376
	1u = 376 ÷ 4 = 94
	94 + 581 = 675
Q4)	Area of Y = (½ x 2 x 1)cm2 = 1 cm2
	Area of Z = (½ x 3 x 1)cm2 = 1.5
	Area of X = (½ x 3 x 1)cm2 = 1.5
	Area of fig = (3x3)cm2 = 9cm2
	(9 − 1.5 − 1.5 − 1)cm2 = 5cm2
Q5)	Area of whole = (½ x 24 x 10)cm2 = 120 cm2
	Area of Z = (½ x 4 x 3)cm2 = 6cm2
	120cm2 − 6cm2 = 114cm2
Q6)	$240 ÷ $7 = 34 R2
	34 x 12 = 408
Q7)	$1144 − $526 = $618 (3u)
	1u = $618 ÷ 3 = $206
	$526 − $206 - $320
Q8)	45 ÷ 3 = 15
	15 x 75 = 75
	75 ÷ 3 x 5 = 25
Q9)	42 ÷ 3 = 14
	14 + 14 = 28 (B of DEB)
	½ x 28 x 17 = 238cm2
Q10)	10u + 1u = 11u
	11u = $132
	1u = $132 ÷ 11 = $12
	5u = $12 x 5 = $60
Q11)	225 + 33 + 33 = 291 (3u)
	291 ÷ 3 = 97 (1u)
	97 + 33 + 225 = 355
Q12)	8/8 − 3/8 − 1/3 = 24/24 − 9/24 − 8/24 = 7/24
	7/24 of the distance = 42 ÷ 7 = 6
	24/24 0f the distance = 6 x 24 = 144km

Q13)	a) ½ x 3/5 = 3/10 (area of cut out rec)
	    1 x 1 = 1 (area of whole fig before cut)
	    1 − 3/10 = 10/10 − 3/10 = 7/10 m2
	b)(1 + 1 + ½ + 3/5 + ½ + 2/5)m = 4 m

Q14)	24 ÷ 2 x 3 = 36 (Ali's age now) 24 ÷ 3 x 4 = 32 (Ali's age Before) 36 − 32 = 4 years ago
Q15)	a)34 + 48 = 82 1u = 82 ÷ 2 = 41 b)41 x 12 − 48 = 444

Q16)	a)8/8 − 2/8 − 3/8 = 3/8
	   3/8 ÷ 3/1 = 3/8 x 1/3 = 1/8
	b)1/8 of the present =$17
	   8/8 of the present = $17 x 8 = $136

Q17)	Sasha 54 Melissa 306