METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

END-OF-YEAR EXAMINATION 2015
PRIMARY 3
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.

Name: _____( )

Class: Primary 3._____

Date: 28 October 2015

This booklet consists of 5 printed pages including this page.

Section A
Questions 1 to 4 carry 1 mark each.
Questions 5 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 oval (1, 2, 3 or 4) on the Optical Answer Sheet. (28 marks)

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1 In 4 862, the digit 8 is in the _____ place.

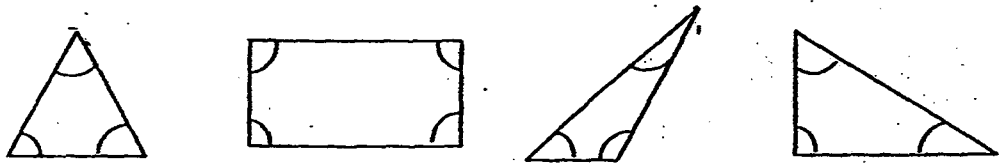
(1) ones
(2) tens
(3) hundreds
(4) thousands

2 In the number pattern below, what is the missing number?

2 945, 3 065, 3 185, _____, 3 425, 3 545

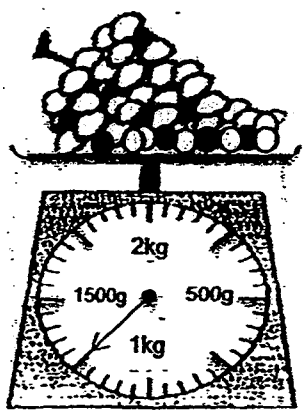
(1) 3 200
(2) 3 205
(3) 3 300
(4) 3 305

3 Which one of the following figures contains an angle which is greater than a right angle?



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

4 What is the mass of the grapes shown in the diagram on the right?



(1) 1kg 5g
(2) 1kg 25g
(3) 1kg 50g
(4) 1kg 250g

5 $629 + \_\_\_\_\_ = 1\,000 - 174$

(1) 197
(2) 371
(3) 826
(4) 1 455

6 $1 - \frac{3}{4} = \_\_\_\_\_$

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

(2) $\frac{4}{10}$

(3) $\frac{6}{9}$

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

7 The difference between two numbers is 976. The smaller number is 581. What is the greater number?

(1) 395
(2) 1 457
(3) 1 557
(4) 2138

8 10 more than the sum of 3 624 and 879 is _____.

(1) 2 745
(2) 3 634
(3) 4 503
(4) 4 513

9 Tom has 126 stickers. He gives all his stickers equally to 6 friends.
How many stickers does each friend receive?

(1) 18
(2) 21
(3) 756
(4) 882

10 I have 5 ten-cent coins, 6 twenty-cent coins and 7 fifty-cent coins.
How much money do I have?

(1) $0.90
(2) $1.80
(3) $2.05
(4) $5.20

11 A number when divided by 5 gives a quotient of 170 and a remainder of 4.
What is the number?

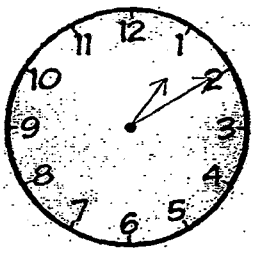
(1) 680
(2) 846
(3) 850
(4) 854

12 A blouse and a skirt cost $60. The blouse costs $24.85.
How much does the skirt cost?

(1) $24.25
(2) $35.15
(3) $36.15
(4) $84.85

13 Siti took 75 minutes to bake some cookies. She finished baking them at 1.10 p.m. What time did she start to bake the cookies?

(1) 11.50 a.m.
(2) 11.55 a.m.
(3) 12.35 p.m.
(4) 2.35 p.m.

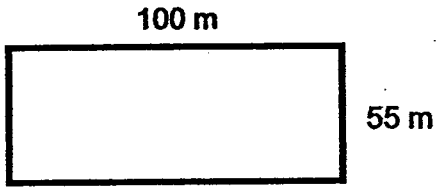


14 Jamie made a 9-cm square card for her mother on Mother's Day.
What was the area of the card?

(1) 9 cm^2
(2) 18 cm^2
(3) 36 cm^2
(4) 81 cm^2

15 Suresh walked 2 rounds along the edge of a rectangular field that measures 100 m by 55 m. How far did he walk?

(1) 155 m
(2) 310 m
(3) 465 m
(4) 620 m



16 At a party, Larry ate $\frac{1}{5}$ of a pizza. Mike ate $\frac{3}{10}$ of the same pizza. What fraction of the pizza did they eat altogether?

(1) $\frac{1}{2}$
(2) $\frac{3}{4}$
(3) $\frac{4}{10}$
(4) $\frac{4}{15}$

Go on to Booklet B

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MATHEMATICS

(BOOKLET B)

Total Time

Sections A to C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

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Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 3._____

Date: 28 October 2015

30

This booklet consists of 7 printed pages including this page.

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Section B
Questions 17 to 22 carry 1 mark each.
Questions 23 to 34 carry 2 marks each.
Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (30 marks)

---

17 Arrange the following fractions in order, beginning with the smallest.

$\frac{1}{3}$ $\frac{1}{6}$ $\frac{1}{4}$ $\frac{1}{8}$

Ans: _____, _____, _____, _____

18

4	1	0	5

What is the smallest 4-digit even number that can be formed using the digits above?

Ans: _____

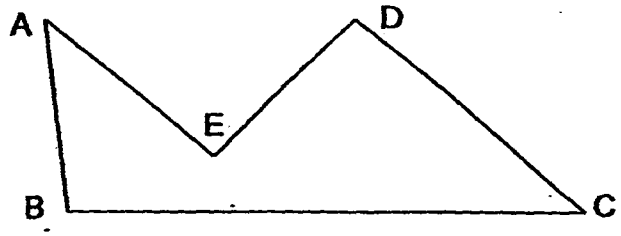
19 56 = _____ groups of 7 + 2 groups of 7

What is the missing number?

Ans: _____

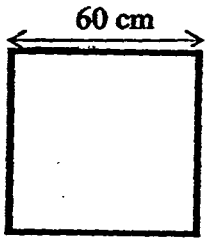
(Go on to the next page)

20 In the figure shown below, name the pair of parallel lines.



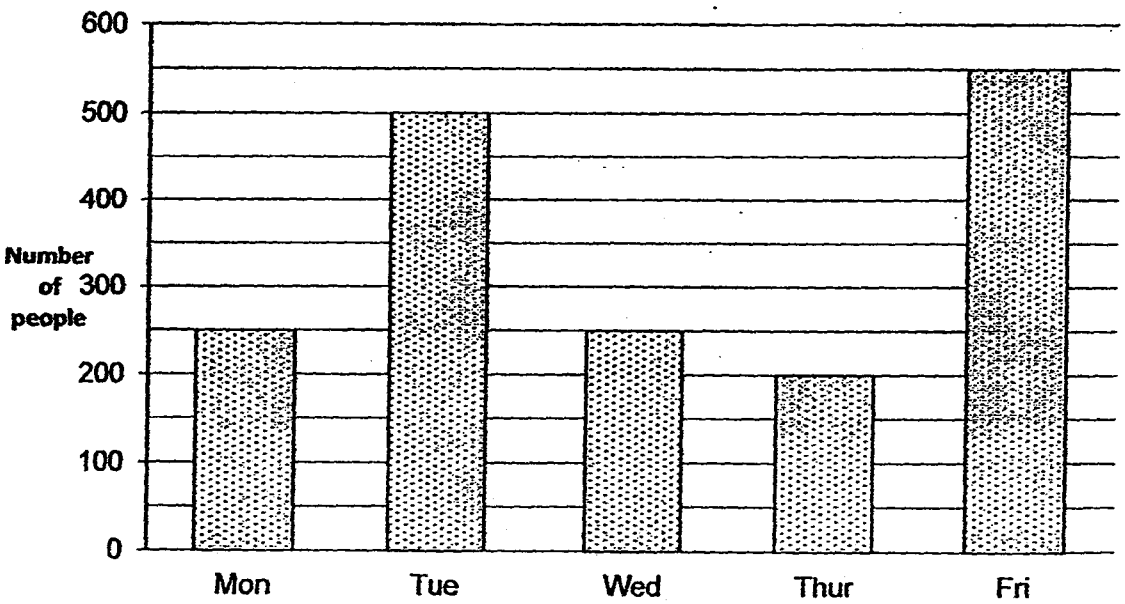
Ans: _____//_____

21 What is the perimeter of the square shown below?



Ans: _____m _____cm

The bar graph below shows the number of people who visited the *Singapore Art Museum* over five days. Use the graph to answer questions **22-24**.



(Go on to the next page)

22 The number of visitors was the same on 2 days. Which were the days?

Ans: _____ and _____

23 What was the difference between the most and least number of visitors to the *Singapore Art Museum*?

Ans: _____

24 The entrance fee for each visitor was $2. How much money was collected on Tuesday?

Ans: $_____

25 The time now is 12.05 p.m.

What was the time 20 minutes ago?

Ans: _____

(Go on to the next page)

26 A pair of shorts costs twice as much as a T-shirt. If the T-shirt costs $8, what is the total cost of a pair of shorts and 3 T-shirts?

Ans: $_____

27 John took part in a race. He cycled 750m and swam 400m before running 2km to complete the race. What was the total distance of the race?

Ans: _____ m

28 Durians are sold at 3 for $20. How much must Raja pay if he buys 12 durians?

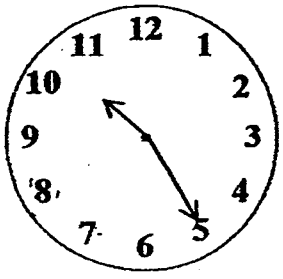
Ans: $_____

(Go on to the next page)

29 Mrs Lim bought a carton of orange juice. She drank $\frac{5}{12}$ ℓ of orange juice while her daughter drank $\frac{1}{3}$ ℓ. How much orange juice did they drink altogether? Give your answer in its simplest form.

Ans: _____ ℓ

30 The clock shown below is 15 minutes slow. What is the actual time?



Ans: _____

31 A fruit seller packed 30 mangoes equally into boxes of 5. He sold each box of mangoes at $7. How much money did he receive?

Ans: $

32 $\frac{11}{12} - \square = \frac{1}{2}$

What is the missing fraction?

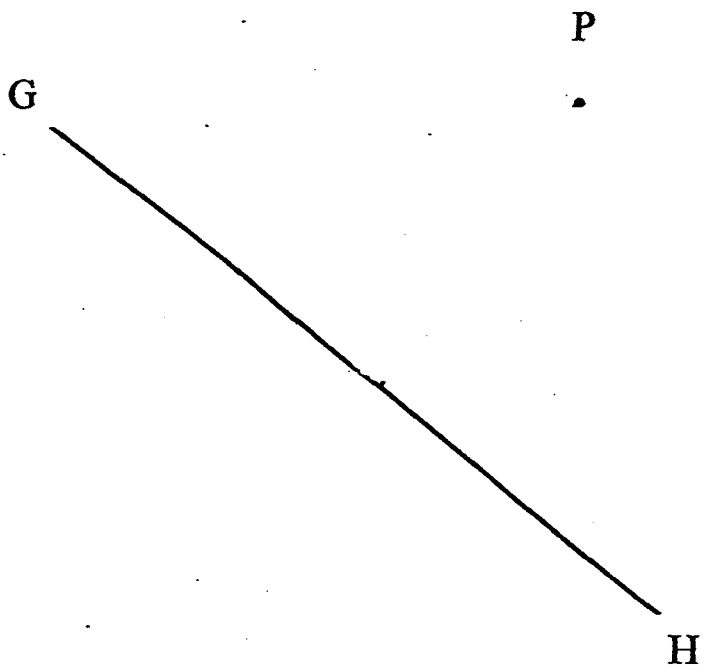
Ans: _____

(Go on to the next page)

33 Jane spent $\frac{3}{8}$ of her money on a book and $\frac{1}{4}$ of it on a pen. What fraction of her money had she left?

Ans: _____

34 Using a set-square and ruler, draw a line perpendicular to GH passing through point P.



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PRIMARY 3
MATHEMATICS

(BOOKLET C)

Total Time

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INSTRUCTIONS TO CANDIDATES

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Answer all questions.

Name: _____ ( )

Class: Primary 3._____

Date: 28 October 2015

Booklet A	/ 28
Booklet B	/ 30
Booklet C	/ 22
TOTAL	/ 80

Parent's Signature: _____

This booklet consists of 7 printed pages including this page.

Section C

For questions **35** to **40**, show your working clearly 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. (22 marks)

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35 Rachel left home at 6.25 a.m. She took 1h 50 ~~min to~~ cycle to Woodlands and 2h 15min to cycle back home.

(a) How long did she spend cycling? (Give your answer in hours and minutes)

(b) What time did she return home?

Ans: (a)_____ [2]

(b)_____ [1]

36 Ahmad uses half a carton of milk to fill 4 cups to the brim. Each cup has a capacity of 200mℓ.

What is the capacity of the carton of milk? (Give your answer in ℓ and mℓ)

Ans: _____ [3]

37 Anne baked 145 cupcakes.
She gave 18 cupcakes to her sister and 9 to her neighbour.
She put the rest into boxes of 8 each.

(a) How many cupcakes did Anne have left after giving the cupcakes away?
(b) What was the least number of boxes she needed to put the remaining cupcakes?

Ans: (a)_____[2]

(b)_____[2]

38 Mother gave $800 to her three children, Alan, Bernard and Carol.
Bernard received $128 less than Alan and three times the amount that Carol received.

(a) How much did Carol receive?

(b) How much did Alan receive?

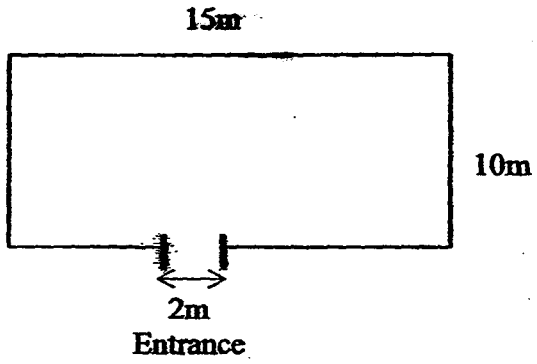
Ans: (a)_____ [2]

(b)_____ [2]

39 A farmer wants to fence up his vegetable garden as shown in the figure below. He leaves a 2 m gap as entrance to the garden.

(a) What is the total length of fencing he needs?

(b) If the cost of the fencing is $9 per metre, how much would it cost him to fence up his garden?



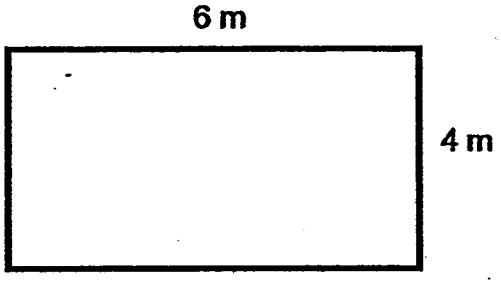
Ans: (a) _____ [2]

(b) _____ [2]

40 Emelia's bedroom is 6 m by 4 m. She placed a 3-m square carpet in the room.

(a) What is the area of Emelia's bedroom?

(b) What area of the bedroom is not covered by the carpet?



Ans: (a) _____ [2]

(b) _____ [2]

End of Paper

EXAM PAPER 2015
LEVEL : PRIMARY 3
SCHOOL : METHODIST GIRLS' SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

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

Q17. ⅛ , ⅙ , ¼ , ⅓ Q18. 1054 Q19. 6 → 6 x 7 = 42

Q20. AE // DC

Q21. 2m → 40cm 60+60=120, 120+120=240

Q22. Monday and Wednesday

Q23. 350 → 550-200=350

Q24. $1000 → 500 x 2=1000

Q25. 11.45am

Q26. $40 → 8+8=16, 8x3=24, 16+24=40

Q27. 3150m → 750 +400+2000 = 3150

Q28. $80 → 12÷3=4, 4x20=80

Q29. ¾litre → $\frac{5}{12} + ⅓ = \frac{5}{12} + \frac{4}{12} = \frac{9}{12} = ¾$

Q30. 10.40 Q31. $42 → 30÷5=6, 6x7=42

Q32. $\frac{5}{12}$ → $\frac{11}{12} - ½ = \frac{11}{12} - \frac{6}{12} = \frac{5}{12}$

Q33. ⅜ → ⅜+¼=⅜+$\frac{2}{8}$ = ⅝ , 1 - ⅝ =⅜ **Q34. SEE PICTURE - next page**

Q35a. 4h5min → 1h+20min+15min+15min +2h+15min = 4h5min

Q35b. 10.30am → 6.25am + 4h 5min =10.30am

Q36. 1l600ml → 4x200=800, 800=800=1600, 1600=1litre 600ml

Q37a. 118 → 18+9=27, 145-27=118

Q37b. 15 boxes → 118÷8=14R6, 6 left over, round up is 15

Q38a. $96→ 800-128=672, 672÷7=96

Q38b. $416 → A=$96, 96 x 3=288, 288+128=416

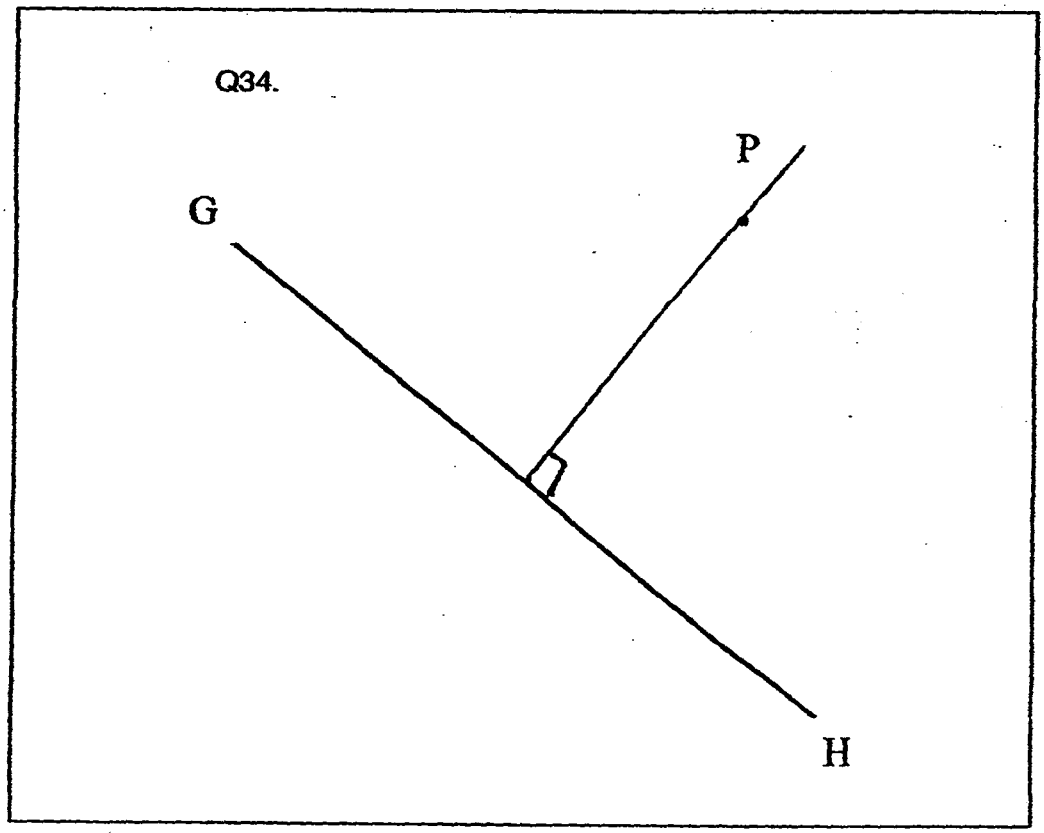
Q39a. 48m→ 15-2=13, 10=10+15+13=48

Q39b. $432→ 9 x 48= 432

Q40a. 24m² → 6 x 4 = 24

Q40b. 15m² →3x3=9, area of carpet = 9m², 24-9=15m²

Q34.



THE END