

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



END-OF-YEAR EXAMINATION 2018

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: 26 October 2018

This booklet consists of 7 printed pages including this page.

Section A

Questions 1 to 4 carry 1 mark each.

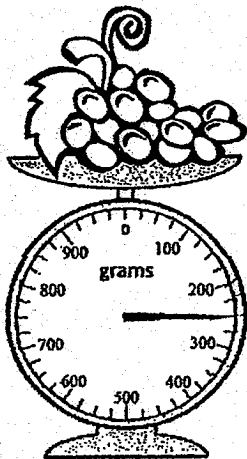
Questions 5 to 16 carry 2 marks each.

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)

1 In 9 087, what does the digit 8 stand for?

- (1) 8
- (2) 80
- (3) 800
- (4) 8 000

2



What is the mass of the bunch of grapes shown above?

- (1) 200 g
- (2) 205 g
- (3) 250 g
- (4) 300 g

3 What time is one hour before 7.30 p.m.?

- (1) Half past 6 in the morning
- (2) Half past 6 in the evening
- (3) Half past 8 in the morning
- (4) Half past 8 in the evening

- 4 What is the missing number in the blank?

$$3 + 3 + 3 + 3 + 3 + 3 + 3 = 3 \times \underline{\hspace{2cm}}$$

- (1) 24
- (2) 21
- (3) 3
- (4) 7

- 5 Which one of the following is the same as 3 thousands, 12 hundreds and 5 tens.

- (1) 3 017
- (2) 3 125
- (3) 4 125
- (4) 4 250

- 6 Find the number in the box.

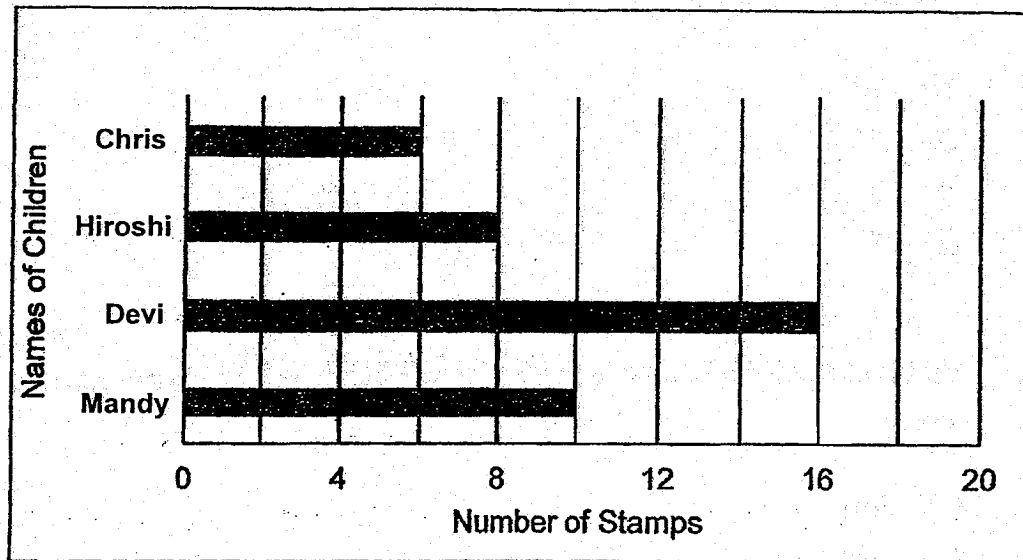
$$\begin{array}{r} 5 \ 5 \ R \ 2 \\ 6 \overline{) \boxed{?}} \end{array}$$

- (1) 332
- (2) 331
- (3) 330
- (4) 328

- 7 Zaki had 3 258 marbles. He had 1 408 fewer marbles than Joseph. Find the total number of marbles they had.

- (1) 1 850
- (2) 4 666
- (3) 5 108
- (4) 7 924

Refer to the graph to answer questions 8 and 9.
The graph below shows the number of 30¢ stamps bought by 4 children.



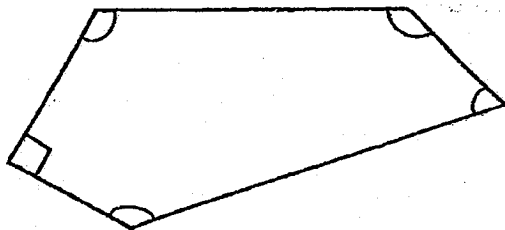
8 Which of the following children bought at least 10 stamps each?

- (1) Hiroshi and Chris
- (2) Hiroshi and Devi
- (3) Mandy and Hiroshi
- (4) Mandy and Devi

9 How much more did Hiroshi pay for his stamps than Chris?

- (1) \$0.60
- (2) \$1.80
- (3) \$2.00
- (4) \$2.40

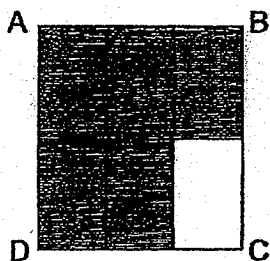
- 10 How many of the marked angle is/are acute angle(s)?



- (1) 1
 - (2) 2
 - (3) 3
 - (4) 4
- 11 Complete the number pattern below.
- 4 985, 4 960, 4 935, _____, 4 885

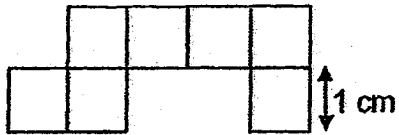
- (1) 4 900
- (2) 4 905
- (3) 4 910
- (4) 4 915

- 12 Square ABCD is made up of 2 identical rectangles.
What fraction of the Square ABCD below is shaded?
Give your answer in the simplest form.



- (1) $\frac{1}{4}$
(2) $\frac{1}{2}$
(3) $\frac{3}{4}$
(4) $\frac{5}{6}$
- 13 After buying 7 pencils, Christina had \$6.20 left.
Each pencil was sold at \$2 each. How much money did she have at first?
- (1) \$4.20
(2) \$14.00
(3) \$11.20
(4) \$20.20
- 14 Which of the following is the greatest in volume?
- (1) 720 ml
(2) 7 200 ml
(3) 7 l 2 ml
(4) 7 l 20 ml

- 15 The figure below is made up of identical squares.
What is the area of the figure?



- (1) 7 cm^2
(2) 9 cm^2
(3) 12 cm^2
(4) 16 cm^2
- 16 Manish has 86 pens. Jonas has twice as many pens as Manish.
Henry has three times as many pens as Manish. How many pens do the three boys have altogether?
- (1) 172
(2) 258
(3) 430
(4) 516

Go on to Booklet B

METHODIST GIRLS' SCHOOL (PRIMARY)

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END-OF-YEAR EXAMINATION 2018 PRIMARY 3 MATHEMATICS

(BOOKLET 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.

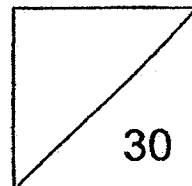
Follow all instructions carefully.

Answer all questions.

Name: _____ ()

Class: Primary 3. _____

Date: 26 October 2018



This booklet consists of 7 printed pages including this page.

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 $3\ 847 = 3\ 000 + \boxed{?} + 7$

What is the missing number in the box?

Ans: _____

18 What is the smallest 4-digit number that can be formed with these digits?

5	4	0	9
---	---	---	---

Ans: _____

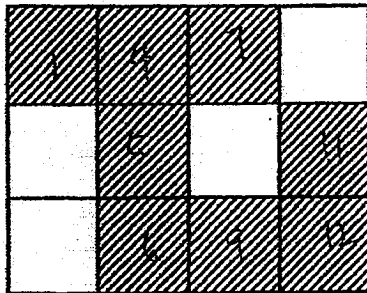
19 At a funfair, there were 238 children, 210 men and 187 women.
How many fewer children than adults were there at the funfair?

Ans: _____

20 Suzy had \$59.75. She spent \$12.30 on a pencil case. How much money had Suzy left?

Ans: \$ _____

- 21** What fraction of the figure below is shaded?
Give your answer in the simplest form.



Ans: _____

- 22** Find the sum of 7 642 and 351.

Ans: _____

- 23** A total of 228 pears are divided equally into 4 bags.
How many pears are there in each bag?

Ans: _____

- 24** Arrange the following numbers from the greatest to the smallest.

3 685	5 863	6 538	5 683
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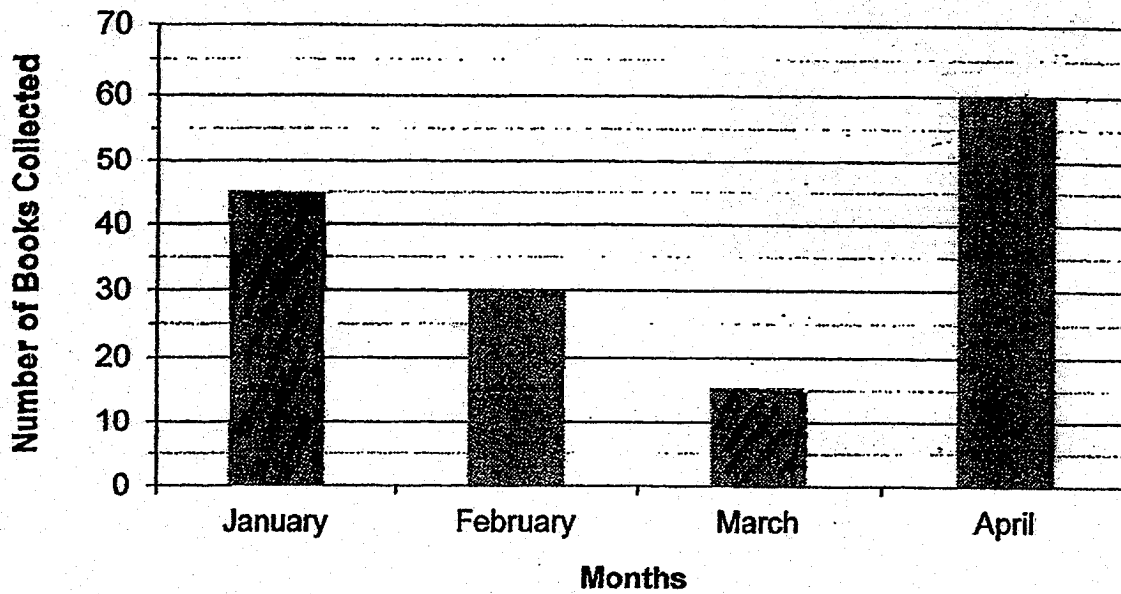
Ans: _____, _____, _____

(greatest)

(smallest)
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(Go on to the next page)

The graph below shows the number of books collected at a charity organisation from January to April. Study it carefully and answer question 25.



- 25 The total number of books collected in two months is 60.
Which are the two months?

Ans: _____ and _____

26 $\diamond \times 4 = \star$

$\star - 220 = 1020$
p

What is $\diamond$?

Ans: _____

- 27 A music class started at 9 o'clock in the morning. It lasted for 90 minutes. At what time did the class end?

Ans: _____ a.m.

- 28 The sum of two numbers is 50. The difference between the numbers is 18. What is the smaller number?

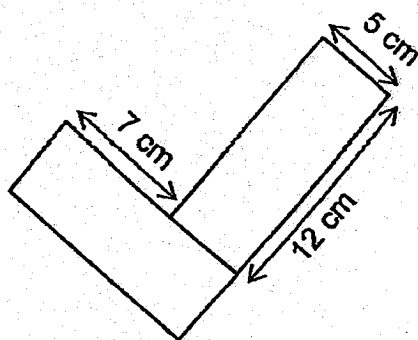
Ans: _____

- 29 Arrange the following fractions from the smallest to the greatest.

$\frac{1}{3}, \frac{5}{6}, \frac{8}{12}$

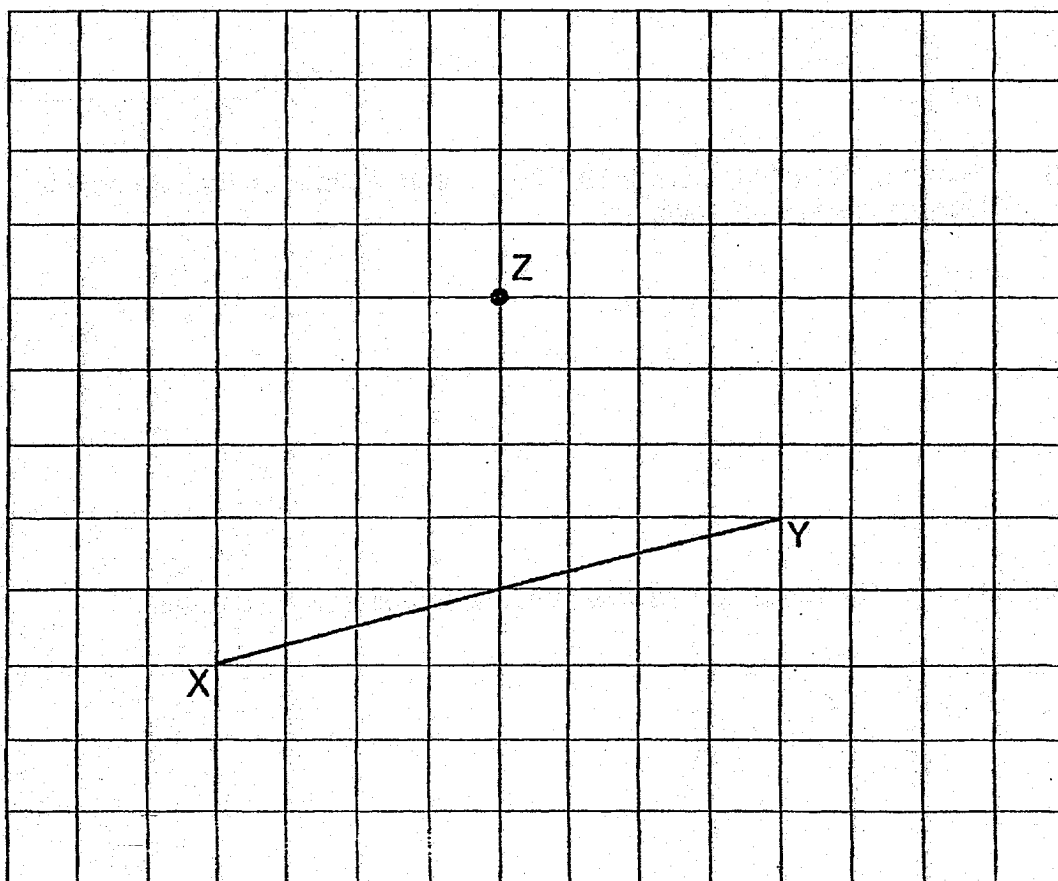
Ans: _____, _____
(smallest) (greatest)

- 30 The figure below is made up of two identical rectangles. What is the perimeter of the figure?

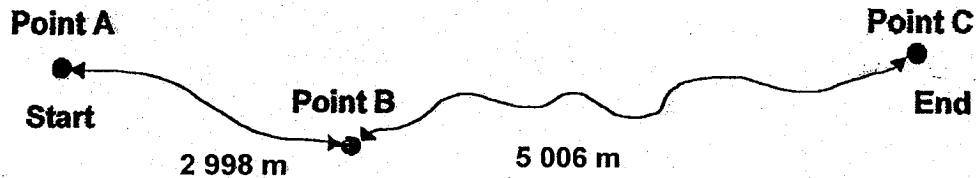


Ans: _____ cm

- 31 Using a set-square and a ruler, draw a line parallel to XY passing through the Point Z.



- 32** The Tan family **started** their hike at Point A and ended their hike at Point C.
How far did they hike from Point A to C?
Give your answer in kilometres and metres.



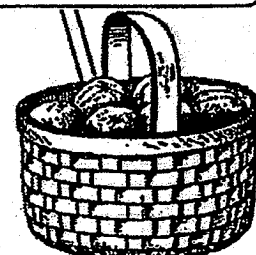
Ans: _____ km _____ m

- 33** Mrs Lim bought some eggs. She baked 8 cakes.
 She used 6 eggs to bake each cake and had 4 eggs left.
 How many eggs did she buy?

Ans: _____

- 34** Mrs Davis wants to buy 34 oranges.
 What is the least amount of money she needs to pay for the 34 oranges?

1 orange for \$1
 4 oranges for \$3.00



Ans: \$ _____

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END-OF-YEAR EXAMINATION 2018 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: 26 October 2018

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

Parent's Signature: _____

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)

35 There are 2 651 vanilla cupcakes at a bakery.

There are 539 more vanilla cupcakes than chocolate cupcakes.

(a) How many chocolate cupcakes are there?

(b) How many cupcakes are there altogether?

Ans: (a) _____ [1]

(b) _____ [2]

36 Mrs Lim has two bags of sugar. The first bag has 1 542 g of sugar.

After using 157 g of sugar from the first bag, there is still 852 g of sugar more in the first bag than in the second bag.

What is the mass of sugar in the second bag?

Ans: _____ [3]

37 Lucy ate $\frac{1}{4}$ of a cake. Her brother ate $\frac{1}{12}$ of the same cake.

(a) What fraction of the cake did they eat in all?

(b) What fraction of the cake was left?

Give both answers in the simplest form.

Ans: (a) _____ [2]

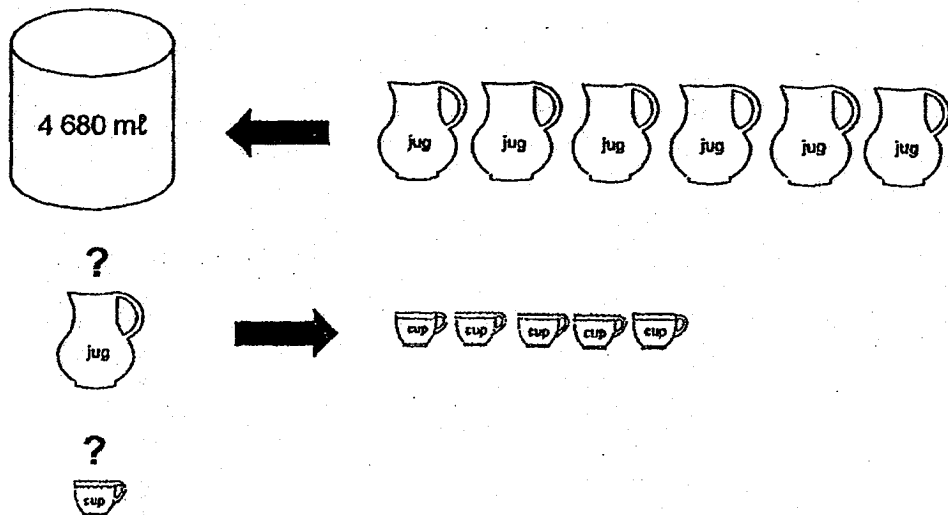
(b) _____ [2]

- 38** Meera took 45 minutes to travel from her home to a supermarket.
She spent 35 more minutes shopping at the supermarket than her travelling time.
Meera finished shopping at 1.15 p.m.
- (a) How long did she shop at the supermarket?
(Give your answer in hours and minutes)
- (b) At what time did she start shopping?

Ans: (a) _____ [2]

(b) _____ [2]

- 39 The capacity of a container is 4 680 ml.
6 identical jugs can fill a container completely.
A jug can fill 5 identical cups completely.
- (a) What is the capacity of each jug?
(b) What is the capacity of each cup?



Ans: (a) _____ [2]
(b) _____ [2]

- 40** Mrs Rajah packed a total of 38 kg of flour into 15 bags.
The flour was packed into bags of 2 kg and 3 kg.
How many bags of 2-kg flour and how many bags of 3 kg flour were there?

Ans: _____ bags of 2-kg flour
_____ bags of 3-kg flour [4]

EXAM PAPER 2018 (P3)

SCHOOL : MGS

SUBJECT : MATHEMATICS

TERM : SA2

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

17) 840 18) 4059 19) 159 20) \$47.45 21) $\frac{2}{3}$

22) $7642 + 351 = 7993$

23) $228 \div 4 = 57$

24) 6538 , 5863 , 5683 , 3685

25) January and March

26) $\star = 1020 + 220 = 1240$

$\diamond = 1240 \div 4 = 310$

27) 10.30a.m.

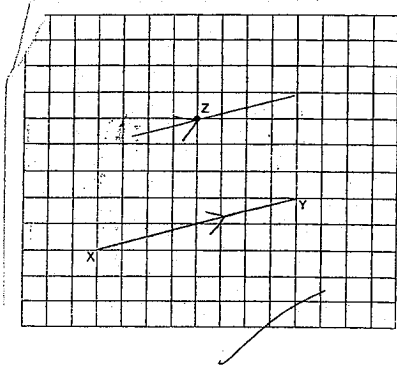
28) $50 - 18 = 32$

$32 \div 2 = 16$

29) $1/3, 8/12, 5/6$

30) $5+12+5+12+5+7+12=58$

31)



32) $2998 + 5006 = 8 \text{ km } 4 \text{ m}$

33) $6 \times 8 = 48$ (used eggs)

$48 + 4 = 52$

34) $34 \div 4 = 8 \text{ R}2$ (8sets)

$8 \times 3 = 24$

$8 \times 4 = 32$

2 more oranges = \$2

$\$24 + \$2 = \$26$

35) a) $1 \text{ unit} = 2651 - 539 = 2112$

b) $2651 + 2112 = 4763$

36) $157 + 852 = 1009$

$1542 - 1009 = 533\text{g}$

37) a) $1/4 + 1/12 = 3/12 + 1/12 = 4/12$

$$= 1/3$$

$$\text{b) } 1 - 4/12 = 12/12 - 4/12 = 8/12$$

$$= 2/3$$

$$38) \text{ a) } 45 + 35 = 80$$

$$1\text{h} = 60\text{min}$$

$$80\text{min} = 1\text{h } 20\text{min}$$

$$\text{b) } 11.55\text{a.m.}$$

$$39) \text{ a) } 6 \text{ units} = 4680$$

$$1 \text{ unit} = 4680 \div 6 = 780$$

$$\text{b) } 5 \text{ units} = 780\text{ml}$$

$$1 \text{ unit} = 780 \div 5 = 156\text{ml}$$

$$40) 7 \text{ bags of } 2\text{-kg flour}$$

$$8 \text{ bags of } 3\text{-kg flour}$$

