

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



END-OF-YEAR EXAMINATION 2017 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.

Name: _____ ()

Class: Primary 4. _____

Date: 27 October 2017

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. In which of the following numbers does the digit 3 stand for 300?

- (1) 40 653
- (2) 43 560
- (3) 45 360
- (4) 46 530

2. Which of the following numbers when rounded off to the nearest hundred becomes 35 700?

- (1) 35 649
- (2) 35 654
- (3) 35 754
- (4) 35 794

3. How many one-quarters are there in 3 wholes?

- (1) $1\frac{1}{3}$
- (2) $\frac{3}{4}$
- (3) 12
- (4) 4

4. Which of the following is not an equivalent of $\frac{1}{4}$?

(1) $\frac{2}{8}$

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

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

(4) $\frac{4}{16}$

5. Write $2\frac{3}{50}$ as a decimal.

(1) 2.35

(2) 2.3

(3) 2.6

(4) 2.06

6. Round off 43.49 to the nearest whole number.

(1) 40

(2) 43

(3) 44

(4) 45

7. Which of the following values make up 7.028?

0.02	0.28	7.0	0.008	0.08
A	B	C	D	E

- (1) B and C
 (2) A, B and C
 (3) A, C and E
 (4) A, C and D

Study the table carefully and answer questions 8 and 9.

The table below shows the number of stickers some children have.

They have 60 stickers **altogether**.

No. of Stickers each child has	1	2	3	4	5
No. of Children	2	6	?	2	4

8. How many children have 3 stickers each?

- (1) 18
 (2) 12
 (3) 6
 (4) 5

9. Each sticker costs 40 cents. What is the total amount spent by the children who bought 2 stickers each?

- (1) \$0.80
 (2) \$2.40
 (3) \$3.20
 (4) \$4.80

10. The mass of a basket of durians is 50.5 kg.
It is 15.6 kg heavier than a basket of watermelon.
What is the total mass of the 2 baskets of fruits?

- (1) 34.9 kg
- (2) 66.1 kg
- (3) 85.4 kg
- (4) 116.6 kg

11. A student starts school at 08 00 and ends at 15 30 daily. He was given 2 snack breaks of 20 minutes each and a 1-hour lunch break.
How long are his school hours excluding his breaks?

- (1) 5 h 50 min
- (2) 6 h 10 min
- (3) 6 h 30 min
- (4) 7 h 30 min

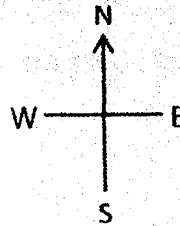
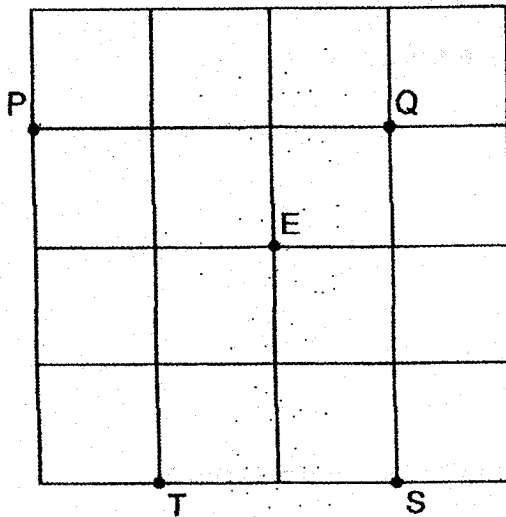
12. Divide 340.13 by 5 and round off your answer to the nearest tenths.

- (1) 68.026
- (2) 70.026
- (3) 68.0
- (4) 70.0

13. Tickets to a fund-raising concert are priced at \$67.
What is the amount of money raised if 508 tickets were sold?

- (1) \$33 936
- (2) \$34 036
- (3) \$ 6 604
- (4) \$ 6 594

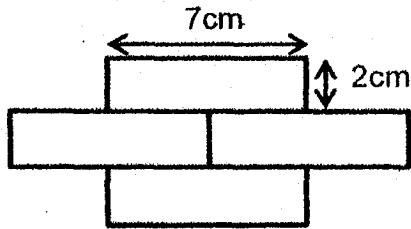
14. Look at the grid below.



Which one of the following statements is incorrect?

- (1) Q is north-east of E
- (2) S is south of Q
- (3) P is east of Q
- (4) T is west of S

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



- (1) 40 cm
 (2) 54 cm
 (3) 56 cm
 (4) 72 cm
16. Which two of the following shapes have 3 or more lines of symmetry?

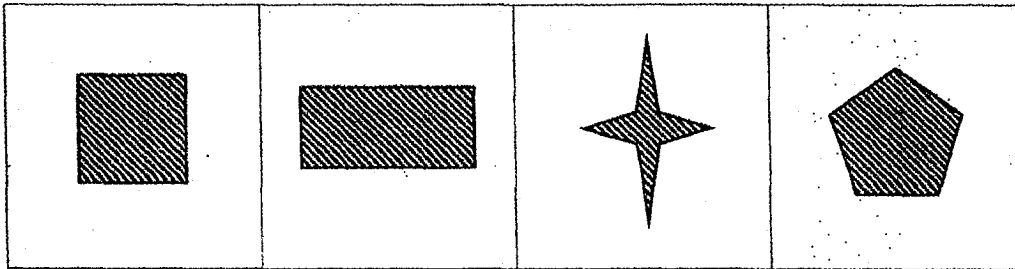


Fig A

Fig B

Fig C

Fig D

- (1) Fig A and B
 (2) Fig A and D
 (3) Fig B and D
 (4) Fig C and D

17. Mrs Lim has some sweets.

The number of sweets can be shared by 4 or 6 children without remainder.

It has 9 as one of its factors. How many sweets does Mrs Lim have?

- (1) 12
- (2) 24
- (3) 36
- (4) 48

18. Mdm Tan spent 45 min mopping the floor and 1 h 25 min washing clothes.

She completed both tasks at 14 25 without taking any rest.

What time did she start work?

- (1) 12 15
- (2) 12 55
- (3) 13 20
- (4) 13 00

End of Booklet A

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END-OF-YEAR EXAMINATION 2017 PRIMARY 4 MATHEMATICS

(BOOKLET B)

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

3 809 , 3 089, 3 980

Smallest _____ **greatest**

20. Some factors of 24 are 1, 2, 3, 6, 12 and 24.

What are the other two factors of 24?

Ans : _____

21. Find the product of $1\,359 \times 8$.

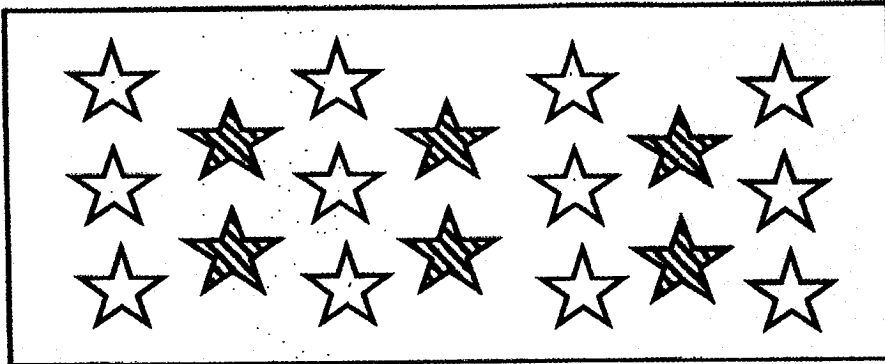
Ans : _____

22. Which two of the fractions below are greater than $\frac{1}{2}$?

$$\frac{2}{3}, \frac{4}{9}, \frac{5}{8}, \frac{6}{15}$$

Ans : _____ and _____

23. What fraction of the stars shown are shaded?



Ans : _____

24. Round off 28.45 to the nearest whole number.

Ans : _____

25. $8.6 - 0.74 =$ _____

Ans : _____

26. Use the digits below to form a 3-digit number.
Each digit can be used **only once**.

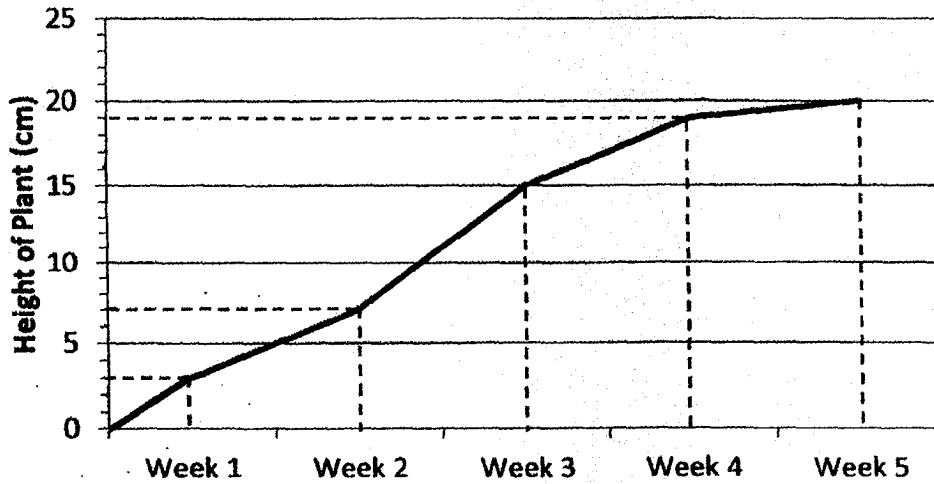
1	2	3	4
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Here are some clues to help you:

- It is an odd number.
- It can be divided by 3.
- It has digit 4 in the tens place.

Ans : _____

Study the graph carefully and answer questions 27 and 28.
The line graph shows the height of the plant in centimetres at the end of each week.



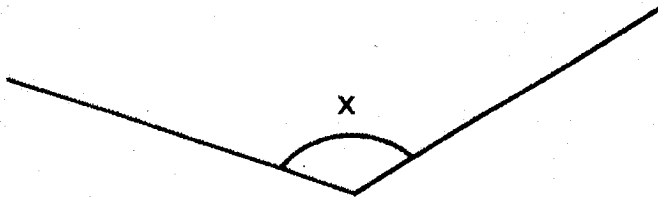
27. In which two weeks was the increase in the height of the plant the same?

Ans : Between weeks _____ and _____ and between weeks _____ and _____

28. What was the greatest increase in the height of the plant?

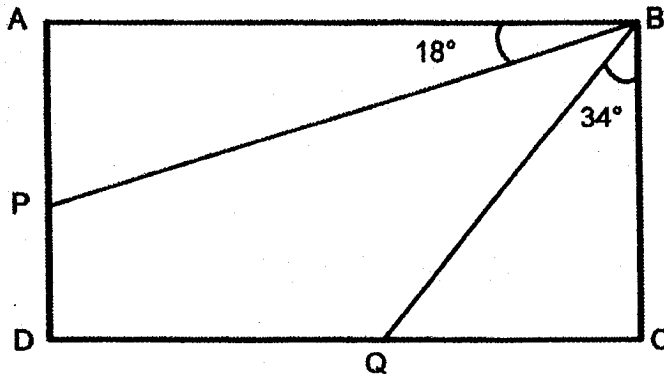
Ans: _____ cm

29. Measure and write down the size of $\angle x$.



Ans : _____

30. In the figure, ABCD is a rectangle. Find $\angle PBQ$.



Ans : _____

31. $\frac{4}{9}$ of a tank is filled with water. 35 l more of water are needed to fill the tank completely. What is the capacity of the tank?

Ans : _____ l

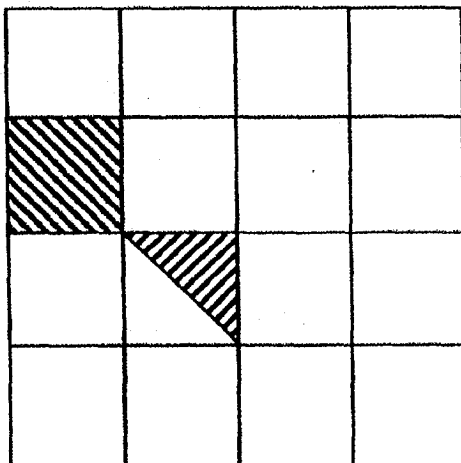
32. Ming left her house at 06 45 for school. She took a 5-minute walk to the bus stop and boarded the bus immediately. It was a 20-minute bus ride to school.
At what time did she alight from the bus?
(Give your answer using the 24-hour clock)

Ans : _____

33. The perimeter of a rectangle is 46 cm. Its length is 15 cm long.
Find the breadth of the rectangle.

Ans : _____

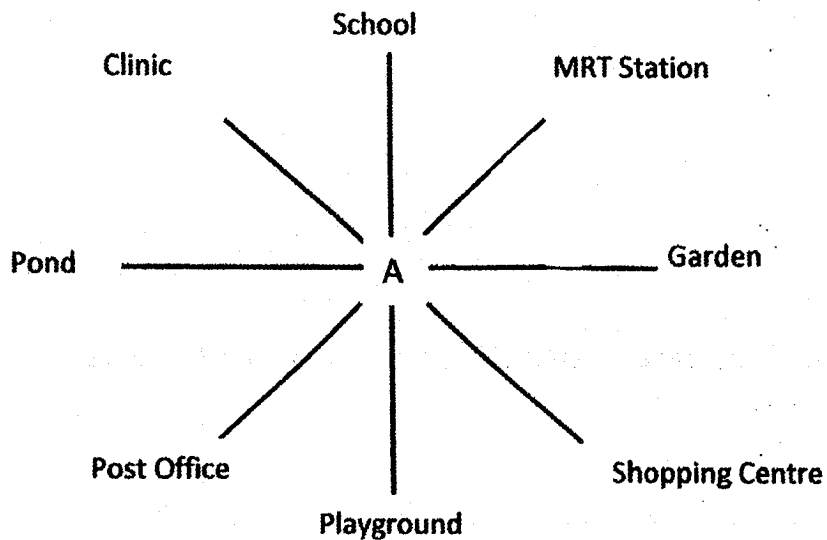
34. Shade 1 square and 1 triangle to make a symmetric pattern and draw the line of symmetry.



35. The area of a rectangle is 50 cm^2 . The length of the rectangle is twice as long as its breadth. What is the length of the rectangle?

Ans : _____

36. Ali was standing at Point A facing the garden. He made a 135° turn clockwise. Where would he be facing?



Ans : _____

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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. There were 9 088 books in the library.

There were 4 times as many English books as Malay books.

There were equal number of Malay and Tamil books.

There were half as many Chinese books as English books.

a) How many Malay books were there?

b) How many English books were there?

Ans : a) _____ [2]

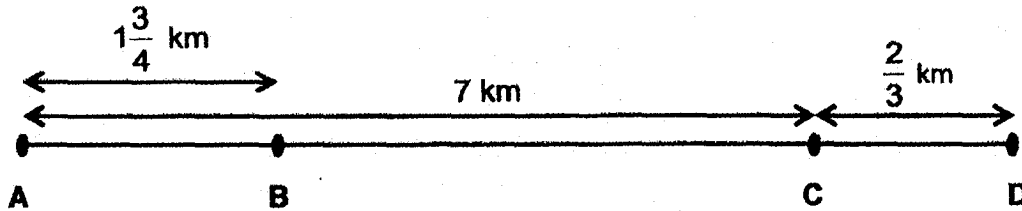
b) _____ [1]

38. The figure below shows the distance between various towns.

The distance between Town A and B is $1\frac{3}{4}$ km.

The distance between Town A and C is 7 km.

How far is Town B from Town D? Give your answer in its simplest form.



Ans : _____ [3]

39. Ali has 455 stamps.

$\frac{4}{7}$ of the stamps are Malaysian stamps.

There rest are Singapore stamps.

How many Singapore stamps are there?

Ans : _____ [3]

40. Beaker A contains 354 *ml* of water.

Beaker B contains 120 *ml* of water.

How much water should Gopal pour from beaker A to beaker B so that they both would have an equal amount of water?

Ans : _____ [3]

41. Peter has \$5.40 in 20-cent and 50-cent coins.
He has twice as many 20-cent coins as 50-cent coins.
How many coins does Peter have ?

Ans : _____ [4]

42. The total mass of 4 packets of tea leaves and 3 packets of coffee beans is 1 kg.
Each packet of coffee beans is 30 g heavier than a packet of tea leaves.
What is the mass of 1 packet of coffee beans?

Ans : _____ [4]

43. Peter had \$3.20 less than Samy.

Samy's mother gave Samy \$10.

Samy then had 5 times as much money as Peter

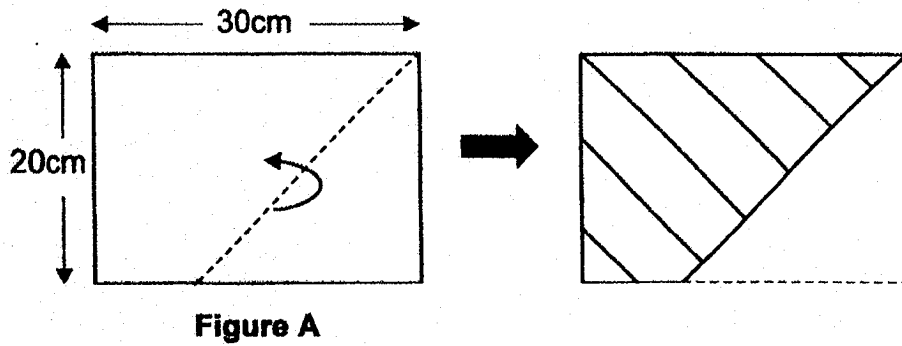
a) How much money had Peter?

b) What was the total amount the 2 boys had at the beginning?

Ans : a) _____ [2]

b) _____ [2]

44. Figure A is a rectangular piece of paper 30 cm by 20 cm. John folded one corner of the paper as shown below. What is the area of shaded part?



Ans : a) _____ [2]

b) _____ [2]

EXAM PAPER 2017 (P4)

SCHOOL : MGS

SUBJECT : MATHEMATICS

TERM : SA2

ORDER CALL :

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

19)3089 , 3809 , 3980

20)8 and 4

21)10872

22)2/3 and 5/8

23)1/3

24)28

25)7.86

26)243

27)Between weeks 1 and 2 and between weeks 3 and 4

28)8cm

29)131°

30)38°

31)63 L

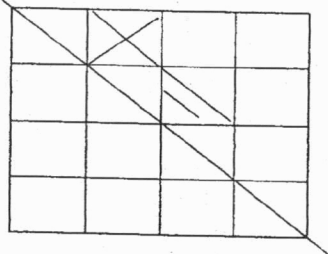
32)0710

33)8 cm

34)

35)10

36)Post Office



37)a)8 units→9088

$$1 \text{ unit} \rightarrow 9088 \div 8 = 1136$$

There was 1136 malay books.

$$\text{b) } 4 \text{ units} \rightarrow 1136 \times 4 = 4544$$

There were 4544 english books.

$$38) 5\frac{1}{4} = \frac{53}{12} \quad (\times 3)$$

$$\frac{2}{3} = \frac{8}{12} \quad (\times 4)$$

$$\frac{8}{12} + \frac{53}{12} = \frac{511}{12}$$

The distance is $\frac{511}{12}$ km

$$39) \frac{7}{7} - \frac{4}{7} = \frac{3}{7}$$

$$\frac{3}{7} \times 455/1 = 195/1$$

$$= 195$$

There are 195 singapore stamps.

$$40) 354 - 120 = 234$$

$$234 \div 2 = 117$$

Gopal should pour 117 ml

41)

20c	Diff x 2	50c	Total 5.40	Check
$10 \times 20 = 2.00$	$10 \div 2 = 5$	$5 \times 50 = 2.50$	4.50	X
$14 \times 20 = 2.80$	$14 \div 2 = 7$	$7 \times 50 = 3.50$	5.50	X
$12 \times 20 = 2.40$	$12 \div 2 = 6$	$6 \times 50 = 3.00$	5.40	✓

$$12 + 6 = 18$$

Peter have 18 coins altogether.

42) $30 \times 3 = 90$

$1 \text{ kg} = 1000\text{g}$

$1000 - 90 = 910$

$7 \text{ units} = 910$

$1 \text{ unit} = 910 \div 7 = 130$

$130 + 30 = 160\text{g}$

The mass of 1 packet of coffee beans is 160g.

43)a) $10 + 3.20 = 13.20$ (4 units)

$1 \text{ unit} = 13.20 \div 4 = 3.30$

Peter had \$3.30

b) $\$3.30 + \$3.30 + \$3.20 = \9.80

The boys had \$9.80

44) Area of whole rec = $(20 \times 30)\text{cm}^2 = 600 \text{ cm}^2$

Area of A = $(20 \times 20)\text{cm}^2 = 400 \text{ cm}^2$

$\frac{1}{2}$ of A = $(400 \div 2) \text{ cm}^2 = 200 \text{ cm}^2$

Shaded part area = $(600 - 200)\text{cm}^2 = 400 \text{ cm}^2$

The area is 400 cm^2