



RED SWASTIKA SCHOOL

2014 END-OF-YEAR EXAMINATION

MATHEMATICS

Name : _____ ()

Class : Primary 4 / _____

Date : 27 October 2014

BOOKLET A

20 Questions

40 Marks

Duration of Paper : 1 hour 45 minutes

Note:

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this booklet, you should have the following:
 - (a) Page 1 to Page 6
 - (b) Questions 1 to 20

Questions 1 to 20 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.


(40 marks)

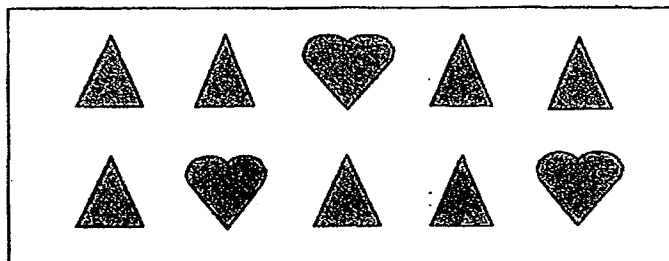
1 $80\,000 + 7\,000 + 600 + 5 =$ _____

- (1) 87 650
- (2) 87 605
- (3) 87 065
- (4) 80 765

2 Which of the following numbers is a factor of both 18 and 84?

- (1) 12
- (2) 9
- (3) 8
- (4) 6

3 What fraction of the shapes in the box are  ?



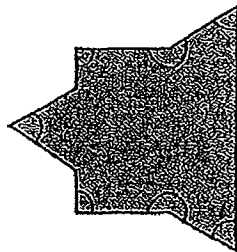
- (1) $\frac{3}{10}$
- (2) $\frac{7}{10}$
- (3) $\frac{3}{7}$
- (4) $\frac{7}{3}$

4 $6\frac{5}{7} = \frac{\boxed{}}{7}$

What is the missing number in the box?

- (1) 30
- (2) 37
- (3) 42
- (4) 47

- 5 How many of the marked angles in the shaded figure are smaller than one right angle?



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

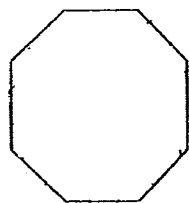
- 6 What is the number when 223.53 is rounded off to 1 decimal place?

- (1) 223.0
- (2) 223.5
- (3) 223.6
- (4) 224.0

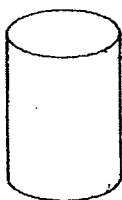
- 7 In 95 752, what is the difference between the two values of the digit 5?

- (1) 50
- (2) 4 950
- (3) 5 000
- (4) 5 050

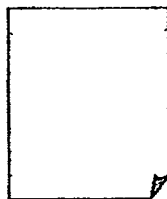
- 8 Which figure(s) below has/have perpendicular lines?



A

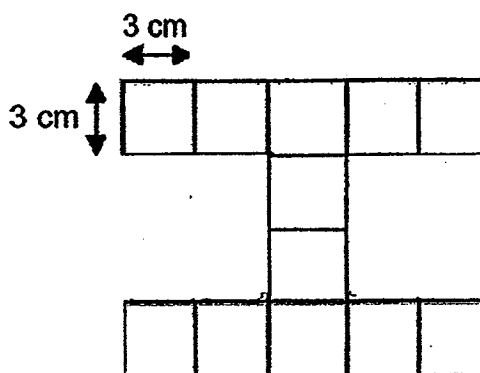


B

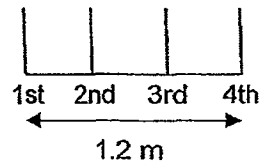


C

- (1) A and B only
(2) B and C only
(3) A, B and C
(4) C only
- 9 Darren jogged around a rectangular field once. The breadth of the field is 150 m. Darren jogged a total distance of 1 000 m. What was the length of the field?
- (1) 350 m
(2) 425 m
(3) 700 m
(4) 850 m
- 10 The figure below is made up of 3-cm squares. What is the perimeter of the figure?



- 11 Twelve poles are placed in a straight row at an equal distance apart. The distance between the first and fourth pole is 1.2 m. What is the distance between the first and last pole?



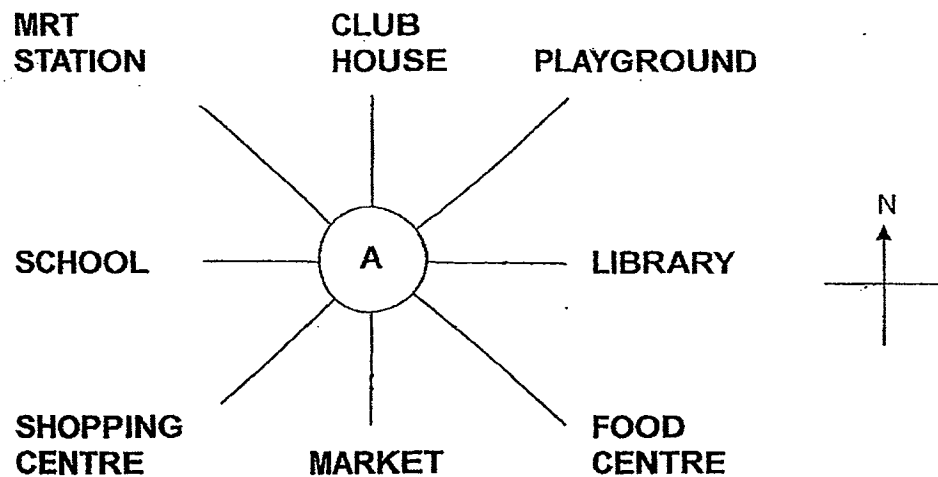
- (1) 3.3 m
(2) 3.6 m
(3) 4.4 m
(4) 4.8 m
- 12 Rachel had \$47.50 in her savings. After buying a skirt that cost \$29.60, she still needed \$13.40 to buy a blouse. How much did the blouse cost?
- (1) \$ 17.90
(2) \$ 31.30
(3) \$ 34.10
(4) \$ 43.00
- 13 The table below shows the enrichment courses taken by the pupils in a primary school. Each pupil took only one course.

Enrichment Course	Number of boys	Number of girls
Computer	99	87
Art & Crafts	65	79
Music	88	64

How many more pupils attended the Computer course than the Music course?

- (1) 12
(2) 24
(3) 34
(4) 42

Use the following diagram to answer Questions 14 and 15.



- 14** Javier is standing at the point marked A in the diagram above. He is facing the library. Where will he be facing when he turns 135° clockwise?
- (1) School
 - (2) Market
 - (3) MRT Station
 - (4) Shopping Centre
- 15** Yu Rui is standing at the point marked A in the diagram above and facing south. He makes a $\frac{3}{4}$ - turn in an anticlockwise direction. Which direction will he be facing?
- (1) north
 - (2) south
 - (3) east
 - (4) west
- 16** A Christmas party started at 19 30 on Saturday. The party lasted for 3 h 45 min. What time did the party end?
- (1) 22 15
 - (2) 22 45
 - (3) 23 15
 - (4) 23 45

- 17 How many letters in the following word have at least 1 line of symmetry?

S M A R T

- (1) 5
 - (2) 2
 - (3) 3
 - (4) 4
- 18 A pokemon card costs \$2. For every 6 cards that Bryan buys, he will get 1 card free. What is the smallest amount of money Bryan needs to pay in order to get a total of 37 cards?
- (1) \$60
 - (2) \$62
 - (3) \$64
 - (4) \$74
- 19 The number of flowers that Mrs Rani has is between 30 and 50. The flowers can be bundled into bouquets of 6 or 8 with no flowers left over. How many flowers does she have?
- (1) 32
 - (2) 36
 - (3) 42
 - (4) 48
- 20 When it is 20.00 on Monday in Singapore, it is 13.00 on Monday in London. Mr Raju left Singapore on Tuesday at 17.00 and his flight to London took 13 hours and 50 minutes. What was the time and day in London when Mr Raju arrived there?
- (1) 06.50 Tuesday
 - (2) 23.50 Tuesday
 - (3) 06.50 Wednesday
 - (4) 23.50 Wednesday



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MATHEMATICS

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BOOKLET B

28 Questions
60 Marks

In this booklet, you should have the following:

- (a) Page 7 to Page 16
- (b) Questions 21 to 48

MARKS

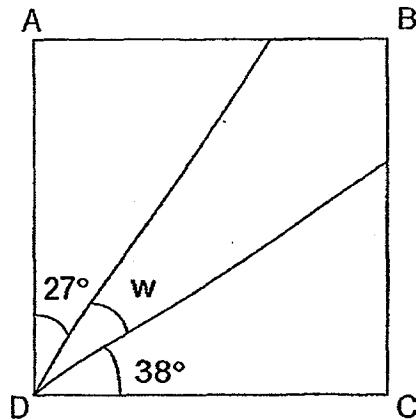
	OBTAINED	POSSIBLE
BOOKLET A		40
BOOKLET B		60
TOTAL		100

Parent's Signature : _____

Questions 21 to 30 carry 1 mark each. Questions 31 to 40 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

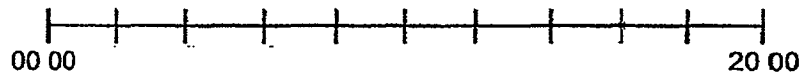
(30 marks)

- 21 The figure below, not drawn to scale, shows a square ABCD. Find $\angle w$.



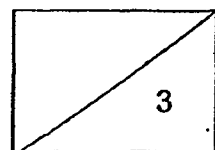
Ans: _____

- 22 In the time line below, mark with a cross (x) to show 4.00 pm.



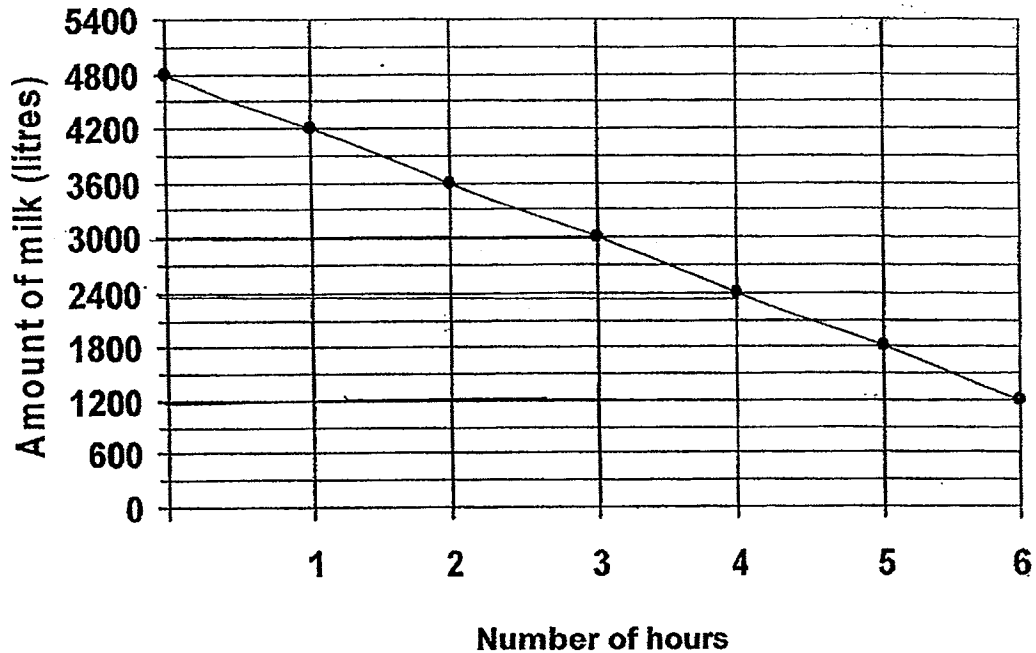
- 23 A wall in a room measures 6 m by 5 m. The cost of painting 1 m² of the wall is \$25. How much will it cost to paint the wall?

Ans: \$ _____



The line graph below shows the amount of milk in a leaking tank over 6 hours. Use the graph to answer Questions 24 to 27.

Amount of milk in a leaking tank



- 24 What was the amount of milk in the tank at the start?

Ans: _____ litres

- 25 What was the amount of milk in the tank at the 6th hour?

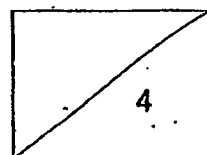
Ans: _____ litres

- 26 After how many hours was the amount of milk in the tank half of that at the start?

Ans: _____ h

- 27 The owner of the tank paid a fine of \$2 for every 10 litres of milk lost. How much would the fine be after 3 hours?

Ans: \$ _____



- 28 Mr Lim's saving is \$86 500 when rounded off to the nearest \$100. What is the smallest possible amount saved by Mr Lim?

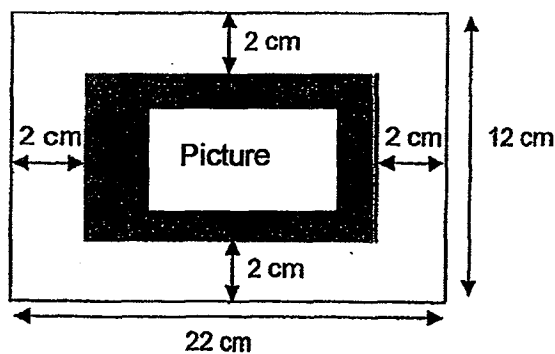
Ans: \$ _____

- 29 A pool is made up of a rectangle of perimeter 54 m and a square of area 81 m^2 . Find the perimeter of the pool.

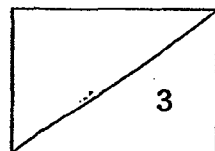
Perimeter = 54 m	Area = 81 m^2
------------------	----------------------------

Ans: _____ m

- 30 The figure below shows a photo frame that measures 22 cm by 12 cm. A picture is mounted on the frame leaving a border of 2 cm around it. What is the area of the frame that is not covered by the picture?



Ans: _____ cm^2



31 Write twelve thousand and seventy-three in figures.

Ans: _____

32 Find the product of 1 390 and 8.

Ans: _____

33 What is the remainder when 1012 is divided by 9?

Ans: _____

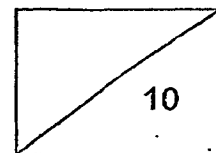
34 Arrange the following fractions from the greatest to the smallest.

$$\frac{2}{3}, \frac{3}{4}, \frac{7}{12}$$

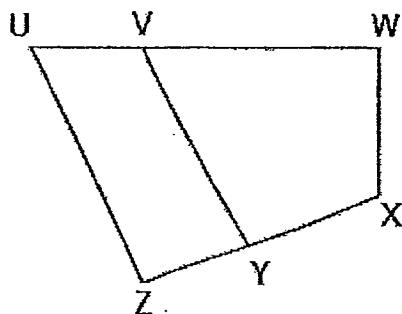
Ans: _____ , _____ , _____
(greatest) (smallest)

35 Find the value of $\frac{1}{10} + \frac{37}{100}$.

Ans: _____

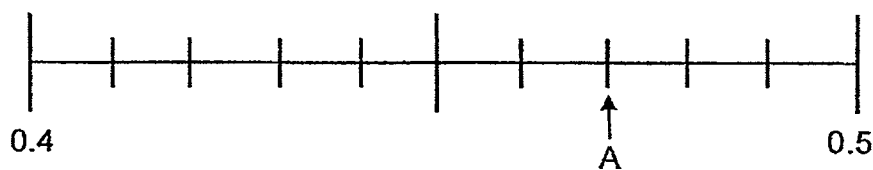


- 36 In the figure, one of the lines is parallel to VY.
Which line is parallel to VY?



Ans: _____

- 37 Write the decimal represented by A.



Ans: _____

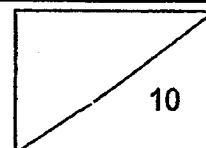
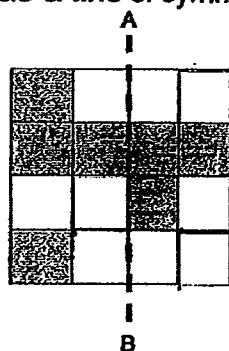
- 38 $14.85 + 0.19 =$ _____

Ans: _____

- 39 Find the value of 6.94×7 .

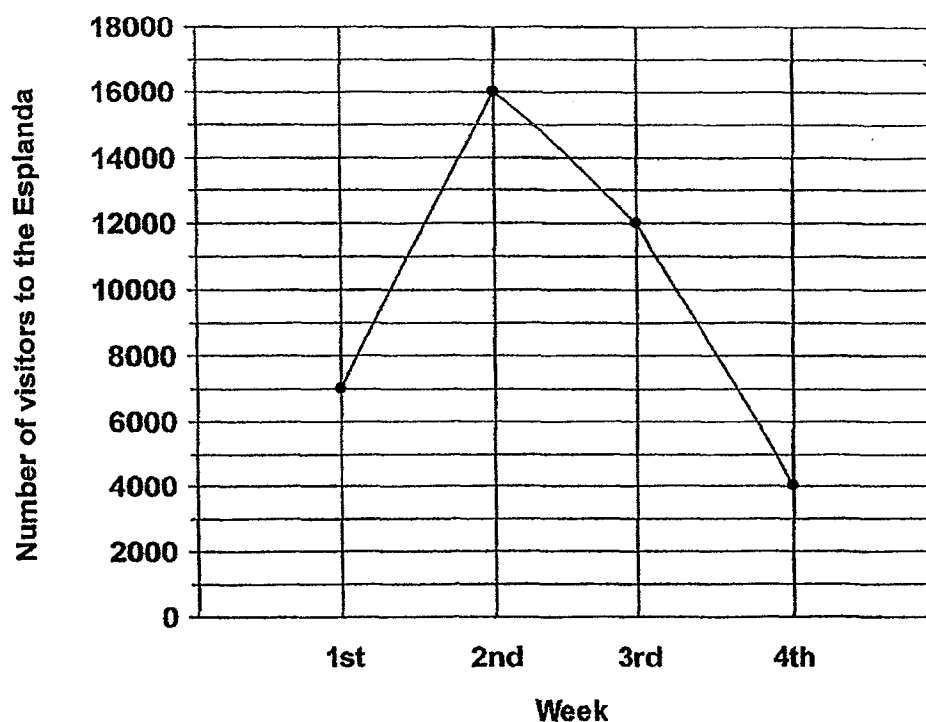
Ans: _____

- 40 Shade three more squares to complete the figure which has the dotted line AB as a line of symmetry.



Questions 41 to 48 carry 3 or 4 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided.
(30 marks)

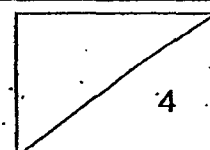
- 41 The line graph below shows the number of visitors to the Esplanda in a month.



- (a) What is the increase in the number of visitors from the 1st week to the 2nd week?
- (b) How many more visitors visited the Esplanda in the first two weeks than the last two weeks?

Ans: (a) _____ [2]

Ans: (b) _____ [2]

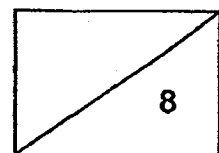


- 42 Annie is 4.5 kg lighter than Brenda. Cathy is twice as heavy as Annie. The total mass of the three girls is 122.5 kg. What is Brenda's mass?

Ans: _____ [4]

- 43 4 similar tins of paint and 3 similar brushes cost \$73.50. Muthu paid \$141.50 for 8 such tins of paint and 5 such brushes. What is the cost of each tin of paint?

Ans: _____ [4]

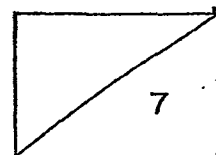


- 44 Wilson had a sum of money. He spent $\frac{3}{10}$ of his money on stationery, $\frac{2}{5}$ of his money on books and \$35 on a pair of pants. He had \$25 left after spending on all the items. How much money did he have at first?

Ans: _____ [4]

- 45 There are 2 412 pears in Box A and Box B. The number of pears in Box A is $\frac{1}{3}$ the number of pears in Box B. There are 250 more pears in Box C than in Box A. How many pears are there in Box C?

Ans: _____ [3]



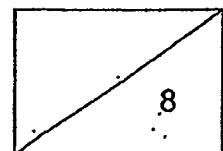
- 46 Chloe, Nicole and Gisele had the same number of stamps. Chloe sold 1 254 stamps while Nicole sold twice as many stamps as Chloe. Gisele sold 288 stamps more than Nicole and had half of her stamps left. How many stamps did each girl have at first?

Ans: _____ [4]

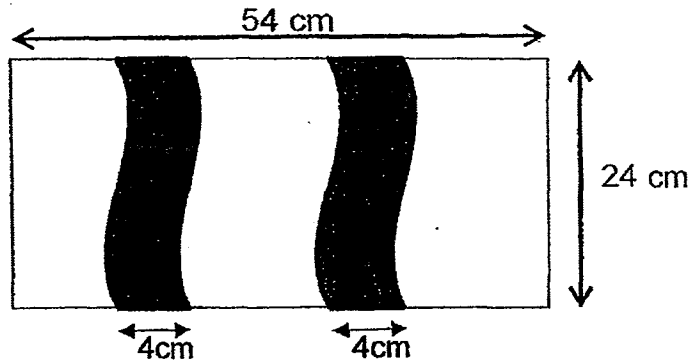
- 47 Austin wanted to buy 8 similar packets of cookies but he was short of \$18. Instead he bought 6 similar packets of cookies and he had \$20 left.
- a) Find the cost of one such packet of cookies.
 - b) How much money did Austin have at first?

Ans: a) _____ [2]

Ans: b) _____ [2]

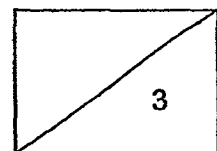


- 48 Mr Ong painted a white rectangular wall with two identical wavy grey strips. Each wavy strip had a width of 4 cm across it as shown in the diagram below. What was the area of the white part of the wall?



Ans: _____ [3]

End of Paper



Year: 2014

Level: Primary 4

School: Red Swastika School

Subject: Mathematics

Semester: SA2

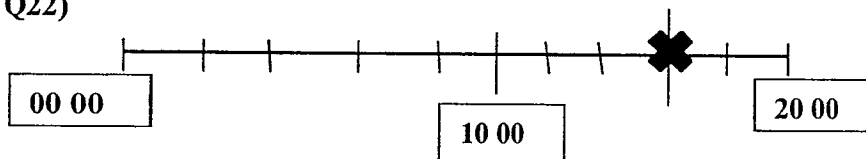
Booklet A:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	4	1	4	3	2	2	4	1	3
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
3	2	3	4	4	3	2	3	4	2

Booklet B:

Q21) 25

Q22)



Q23) \$750

Q24) 4800

Q25) 1200

Q26) 4

Q27) 360

Q28) \$86450

Q29) 72

Q30) 120

Q31) 12073

Q32) 11120

Q33) 4

Q34) $\frac{3}{4}$, $\frac{2}{3}$, $\frac{7}{12}$

Q35) 0.47

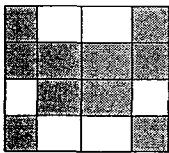
Q36) Line UZ

Q37) 0.47

Q38) 15.04

Q39) 48.58

Q40)



Q41) a) 9000

b) 7000

Q42) 34KG

Q43) \$14.25

Q44) \$200

Q45) 853

Q46) 5592

Q47) a) \$19

b) \$134

Q48) 1104