RED SWASTIKA SCHOOL
2009 END-OF-YEAR EXAMINATION
MATHEMATICS

Name : _____ Marks : _____ / 100

Class : Pr 3 / _____ ( ) Date : 27 Oct 2009

Duration : 1 h 45 min Parent's Signature : _____

Section A : Multiple-Choice Questions

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)

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1 How many even numbers are there from 31 to 41?

(1) 5
(2) 6
(3) 10
(4) 11

2 Which of the following set of numbers is arranged from the smallest to biggest?

(1) 6 105 , 6 015 , 6 150
(2) 6 150 , 6 105 , 6 015
(3) 6 015 , 6 150 , 6 105
(4) 6 015 , 6 105 , 6 150

3 4 600 is 2 tens more than _____ .

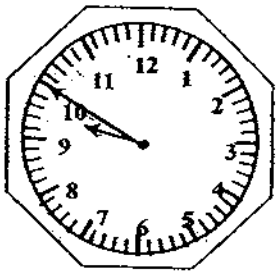
(1) 4 400
(2) 4 580
(3) 4 598
(4) 4 620

4 Divide 563 by 5 and the remainder is _____ .

(1) 5
(2) 13
(3) 3
(4) 112

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5 The time shown on the clock is _____.



(1) 10 minutes to 9
(2) 10 minutes to 10
(3) 13 minutes to 10
(4) 50 minutes to 10

6 Study the number pattern below.

2 , 3 , 6 , 7 , ____ , 11 , 14 .....

What is the missing number?

(1) 8
(2) 9
(3) 10
(4) 11

7 There are 6 bottles of Coca-Cola in a carton.
Jamie needs to get 48 bottles of Coca-Cola.
Find the number of cartons she needs to buy.



(1) 8
(2) 9
(3) 42
(4) 54

8 How many tens are there in 7 900?

(1) 9
(2) 79
(3) 90
(4) 790

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9 Jeffrey has a cardboard of size 25 cm by 20 cm. If he cuts squares of 5 cm by 5 cm from the cardboard, what is the maximum number of squares he can cut?

(1) 500
(2) 20
(3) 5
(4) 4

10 9 000 pencils were sold on Monday. 1 895 of the pencils sold were red. The rest of the pencils sold were green. How many green pencils were sold?

(1) 7 105
(2) 7 215
(3) 8 105
(4) 9 895

11 Brenda has 250 more stamps than Mike. If Brenda gives Mike 50 of her stamps, how many more stamps will Brenda have than Mike?

(1) 50
(2) 150
(3) 200
(4) 300

12 5 km 15 m = _____ m

(1) 515
(2) 5 015
(3) 5 105
(4) 5 150

13 Which set of the objects is the lightest?

(1) 2 kg of rice
(2) 20 g of metal wire
(3) 2 kg of watermelon
(4) 200 g of paper

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14 3 ▢ 6 = 36 ▦ 18

What do ▢ and ▦ represent?

	▢ represents	▦ represents
(1)	+	=
(2)	+	÷
(3)	x	=
(4)	x	−

15 3 metres of fabric cost $5.
2 metres of fabric are needed to sew a shirt.
How much does Miss Lim need to pay if she wants to sew 9 shirts?

(1) $5
(2) $15
(3) $18
(4) $30

16 _____ quarters make a whole.

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

17 Which set of fraction gives the smallest value?

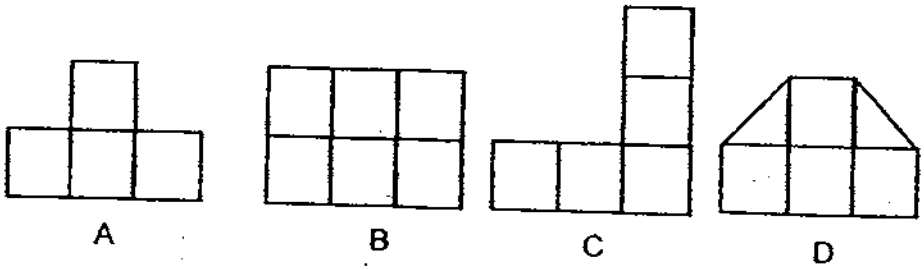
(1) $\frac{1}{2} + \frac{1}{3}$
(2) $\frac{1}{2} - \frac{1}{3}$
(3) $\frac{1}{3} - \frac{1}{4}$
(4) $\frac{1}{3} + \frac{1}{4}$

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18 Eight hundred and six dollars and eighty-five cents can be written as _____.

(1) $86.85
(2) $806.85
(3) $860.85
(4) $8 685

19 Which figure has the largest area?



(1) A
(2) B
(3) C
(4) D

20 Kumar has $1.60 worth of 20-cent and 10-cent coins. He has at least three 20-cent and three 10-cent coins. What is the maximum number of 20-cent coins he can have?

(1) 7
(2) 6
(3) 5
(4) 4

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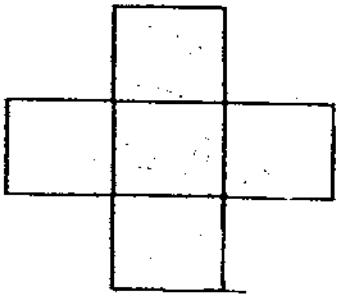
Section B : Short-Answer Questions

Questions 21 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.

(40 marks)

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21 Put the numbers 1, 2, 3, 4, 5 in the boxes.
The sum of the numbers from top to bottom is equal to the sum of the numbers from left to right. Each number can only be used once.



---

22 What is the missing digit in the box?

$$\begin{array}{r} 8\ 3\ 8\ 2 \\ -\ 2\ 5\ \square\ 9 \\ \hline 5\ 8\ 2\ 3 \end{array}$$

Ans: _____

---

23 Junwei has 4 kg 250 g of flour. He packs some of them into 4 packs of 550 g each. How much flour is left?

Ans: _____ g

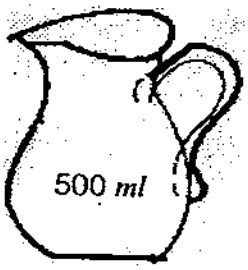
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24 Each student is assigned a locker number same as his/her index number. If Peter's index number is 24, what colour will his locker be?

			39	40
11	12			
6	7	8	9	10
1	2	3	4	5
Red	Blue	Pink	Brown	Green

Ans: _____

25 The capacities of a jug and a cup are as shown below.





5 *ml*

To fill up a tank of capacity 2 *l* 350 *ml*, I need to use 4 jugs and _____ cups.

Ans: _____

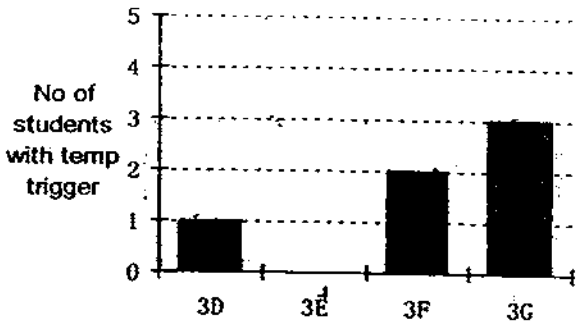
26 15 x 6 = _____ ÷ 2

Ans: _____

6

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The bar graph below shows the number of students with temperature trigger of more than 37.6 ℃ for four classes on a school day. Use it to answer Questions 27 to 29.



27 In which class are all the pupils well?

Ans: Class _____

---

28 Find the total number of students in the four classes with temperature trigger on that day.

Ans: _____

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29 If each class has a total of 40 pupils, what is the total number of students in the four classes who are well on that day?

Ans: _____

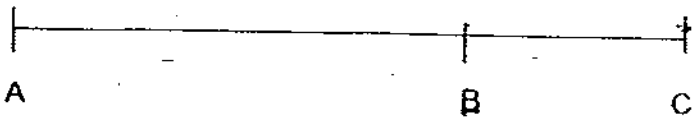
6

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30 Daniel has a fish tank with a capacity of 32 ℓ. He uses a bucket of capacity 4 ℓ to fill up the fish tank. How many buckets of water does he use to fill up the fish tank?

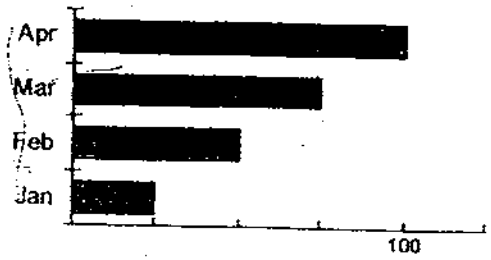
Ans. _____

31 The distance between Town B and Town C is 1 km 800 m while the distance between Town A and Town C is 5 km 50 m.
Find the distance between Town A and Town B.



Ans: _____km_____m

32 The bar graph below shows the height of a plant from January to April. If the height of the plant in the month of April is 100 cm, what is the height of the plant in March?

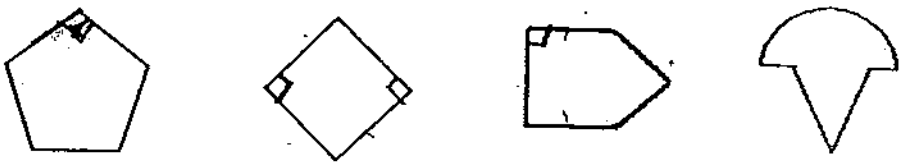


Ans: _____cm

6

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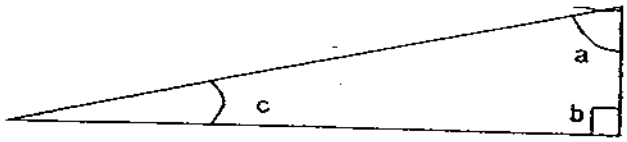
33 Which figure below has 5 angles with at least 1 right angle?



A B C D

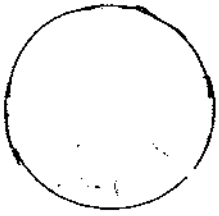
Ans: _____

34 Study the figure below carefully and arrange the angles marked in the figure from the smallest to largest.



Ans: ∠___ ∠___ ∠___

35 Jaiti cut a cake into 4 equal pieces and gave 1 piece away.
Each of the 3 remaining pieces is cut into 2 smaller equal pieces.
If Jason ate 1 of the smaller pieces, what fraction of the cake was left?



cake

Ans: _____

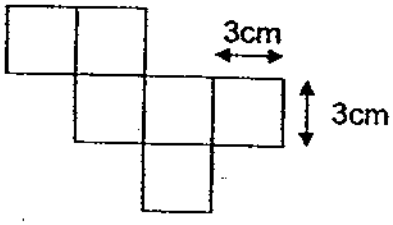
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36 A packet of lollipops cost $4. Ali bought 9 packets and had $2 left. How much did he have at first?

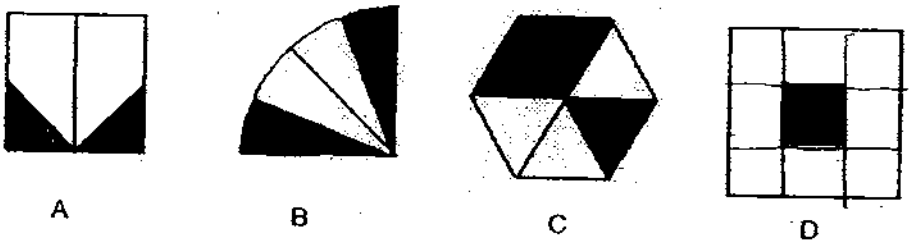
Ans: $_____

37 The figure below is made up of 6 similar squares of sides 3 cm. What is the perimeter of the figure?



Ans: _____ cm

38 Which of the following two figures do not show $\frac{1}{2}$ of the figure shaded?



Ans: _____and _____

39 Loy Meng went to Thailand for a holiday.
The time in Thailand is slower than Singapore by an hour.
What was the time in Thailand if Loy Meng's grandmother was to receive his call at 6 p.m. in Singapore?

Ans: _____p.m.

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40 ☆ − 100 = △

△ + 700 = 1 200

What does the ☆ represent?

Ans: _____

2

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Section C : Long-Answer/Structured Questions

For Questions 41 to 45, show your working clearly in the space below each question and write your answers in the spaces provided.

(20 marks)

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41 Vinesh, Liz and Ahmad share 247 marbles.
Vinesh has the most number of marbles.
Liz has 32 marbles less than Vinesh.
If Ahmad has 47 marbles, how many marbles does Vinesh have?

---

42 Ai Lin and Jane had some stamps at first.
After Ai Lin bought 125 stamps and Jane gave away 125 stamps, both of them had an equal number of stamps.
Their total number of stamps in the end was 1 080.

(a) How many stamps did Ai Lin have at first? [3m]

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43 The following table shows the timing of the 'Dolphin Show' at Sentosa Lagoon.

	Timing
Show 1	10.30 a.m. – 11.15 a.m.
Show 2	1.00 p.m. – 1.45 p.m.
Show 3	3.30 p.m. – 4.15 p.m.
Show 4	?

(a) How long did each show last? [1m]

(b) If the shows are performed at regular intervals, what time will Show 4 begin? [3m]

4

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44 Sherry baked some pieces of cookies for her 6 friends.
She decided to pack 20 pieces of cookies for each of them.
Sherry later realised that each of them could still get 3 more pieces, leaving her with 2 pieces of cookies left.
How many pieces of cookies did she bake?

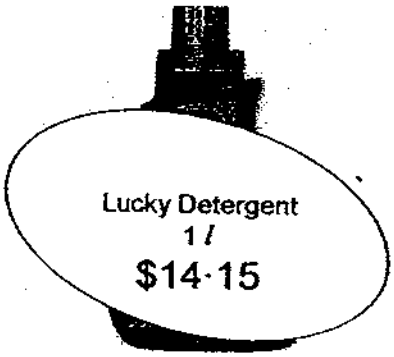
4

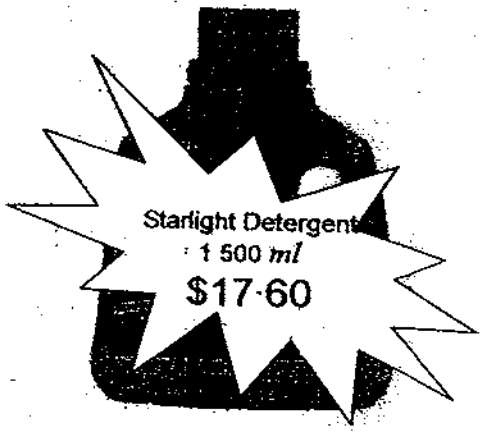
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46 Boon Heng used 3 litres of detergent a month.

(a) Which detergent would give him more savings for a month? [2m]

(b) If Boon Heng had bought the detergent that gave him more savings, how much change would he receive if he gave the cashier 5 ten-dollar notes? [2m]





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4

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Answer Ke

EXAM PAPER 2009

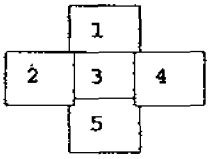
SCHOOL : RED SWASTIKA PRIMARY
SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA2

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

Q18	Q19	Q20
2	2	2

21)



22)5 23)2050g 24)Brown 25)70 26)180

27)3E 28)6 29)154 30)8

31)3km 250m 32)75cm 33)C

34)c,a,b 35)5/8 36)$38 37)42cm 38)A and D

39)5 p.m. 40)600

41)247-47=200
200-32=168
168÷2=84
84+32=116
Vinesh has 116 marbles.

42)No of stamps that Ai Lin has now=1080÷2=540
a)No of stamps Ai Lin that at first=540-125=415
b)No of stamps Jane has at first=540+125=665

43)a)30min+15min=45min
Each show last 45min long.
b)2hr+30min=2hr 30min
Show 4 will begin at 6.00p.m.

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44)20x6=120
3x6=18
120+18=138
138+2=140
She baked 140 pieces of cookies.

45)a)Cost of 3L of lucky detergent =$14.15+$14.15+$14.15=$42.45
Cost of 3L starlight detergent =$17.60+$17.60=$35.20
Type of detergent that would give most saving is starlight detergent.
b)Amount of change Boon Hang received=$50-$35.20=$14.80

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