METHODIST GIRLS' SCHOOL (Primary)
Semestral Assessment 1 (2008)
Primary 5

MATHEMATICS

PAPER 1
(BOOKLET A)

Name: _____ ( )

Class: P 5. _____

Booklet A (20)	

Total time for Booklets A and B: 50 min

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

You are **not** allowed to use a calculator.

This booklet consists of 6 printed pages.

Questions 1 to 10 carry 1 mark each. Questions 11 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.

(20 marks)

1. Which of the following numbers can be divided by 4 with no remainder?

(1) 4 122
(2) 4 126
(3) 4 212
(4) 4 218

2. Study the pattern below.
Which of the following shapes will be in the 50th position?

1st

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

3. What is the value of 4.05×200?

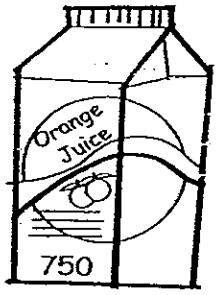
(1) 81
(2) 810
(3) 8 100
(4) 81 000

(Go on to the next page)

4. Juliana ran 2.4 km on Monday and 1 650 m on Tuesday.
What was the total distance covered for the 2 days?

(1) 1.89 km
(2) 4.05 km
(3) 18.9 km
(4) 40.5 km

5. A packet of orange juice is shown below.
The unit on the label cannot be seen.
The packet contains 750 _____ of orange juice.



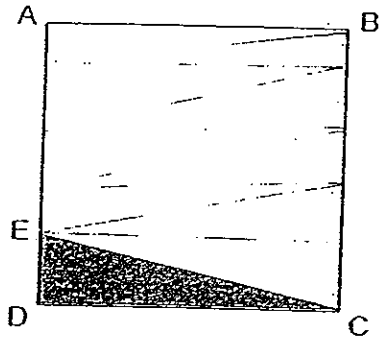
(1) cm
(2) m
(3) *ml*
(4) *l*

6. Which one of the following is greater than $\frac{1}{3}$?

(1) $\frac{2}{9}$
(2) $\frac{4}{15}$
(3) $\frac{7}{18}$
(4) $\frac{6}{21}$

(Go on to the next page)

7. ABCD is a square. The length of DC is 4 times the length of ED. What fraction of ABCD is shaded?



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

(2) $\frac{1}{5}$

(3) $\frac{1}{6}$

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

8. Six children share $\frac{3}{4}$ of a pizza. What fraction of the pizza did each child get?

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

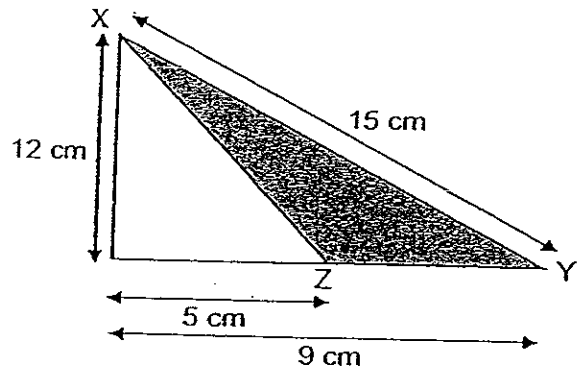
(2) $\frac{2}{9}$

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

(4) $\frac{9}{2}$

(Go on to the next page)

9. The diagram shown below is not drawn to scale.
What is the area of the shaded triangle XYZ?



(1) 24 cm²
(2) 30 cm²
(3) 37.5 cm²
(4) 54 cm²

10. There are 22 girls and 18 boys in a class.
What is the ratio of the number of girls to the total number of pupils in the class?

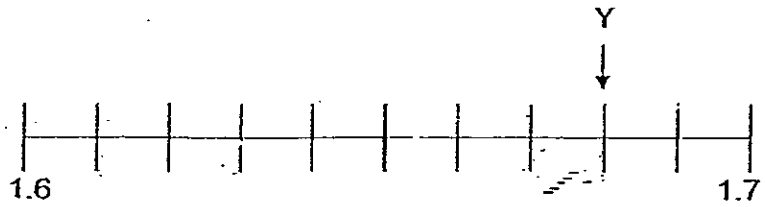
(1) 9 : 20
(2) 11 : 9
(3) 11 : 20
(4) 20 : 11

11. What is the value of $15 - (5 \times 0) + (20 \div 5)$?

(1) 6
(2) 11
(3) 14
(4) 19

(Go on to the next page)

12. What is the value represented by the letter 'Y'?



(1) 1.08
(2) 1.30
(3) 1.63
(4) 1.68

13. Leela and Janice shared some money in the ratio 3 : 7.
If Janice gave $40 to Leela, they would have the same amount of money.
How much did Janice have at first?

(1) $120
(2) $140
(3) $280
(4) $560

14. Which of the following is nearest to 7?

(1) 6.97
(2) 6.89
(3) 7.02
(4) 7.10

15. $\frac{3}{4}$ of a number is equal to $\frac{2}{3}$ of another number.
If the larger number is 36, what is the smaller number?

(1) 12
(2) 24
(3) 27
(4) 32

METHODIST GIRLS' SCHOOL (Primary)
Semestral Assessment 1 (2008)
Primary 5

MATHEMATICS

PAPER 1
(BOOKLET B)

Name: _____ ( )

Class: P 5. _____

Booklet B (20)	

Total time for Booklets A and B: 50 min

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

You are **not** allowed to use a calculator.

This booklet consists of 6 printed pages.

Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.

(10 marks)

16. $\square \div 1\,000 = 80$

What is the missing number in the box?

Ans: _____

17. Write nine hundred and nine thousand and ninety-nine in numerals.

Ans: _____

18. Express 0.025 as a fraction in its simplest form.

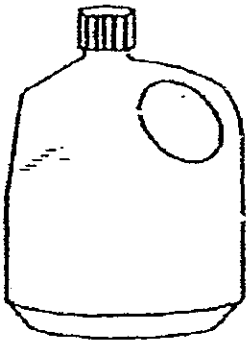
Ans: _____

19. Express 30 kg 70 g as a decimal in kilograms.

Ans: _____ kg

(Go on to the next page)

20. What is the difference in capacity between the 2 containers?



3 *l*

1 450 *ml*

Ans: _____

21. A garden occupies $\frac{2}{5}$ of a plot of land.

$\frac{1}{3}$ of the garden is used for growing roses.

What fraction of the land is used for growing roses?

Ans: _____

22. $3 \times \frac{7}{12} = \frac{5}{12} + \frac{\square}{12} + \frac{5}{12}$

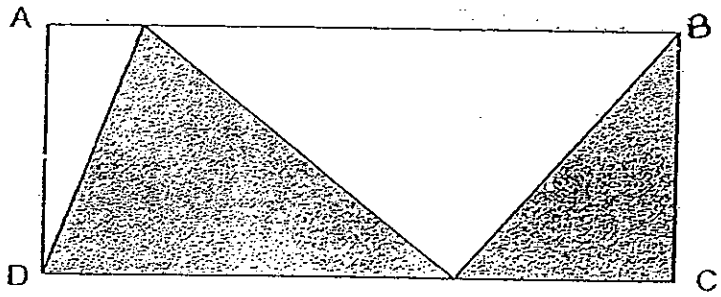
What is the missing number in the box?

Ans: _____

(Go on to the next page)

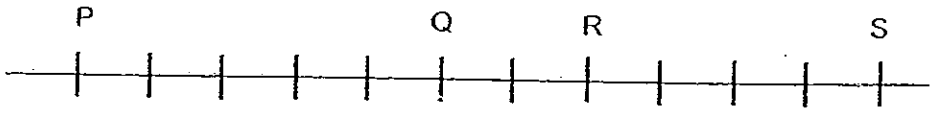
23. Find the value of $\frac{8}{9} \div 12$.
Leave your answer in the simplest form.

24. What fraction of rectangle ABCD is shaded?



Ans: _____

25. The line PS is divided into equal parts as shown in the diagram.



Find the ratio of the length of PQ to the length of PS.

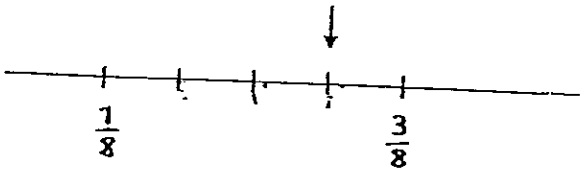
Ans: _____

(Go on to the next page)

Questions 26 to 30 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.

(10 marks)

26. What is the fraction indicated by the arrow?



Ans: _____

27. After Wei Li had given $20 to Alex, they had the same amount of money. What was the difference in their original amount of money?

Ans: _____

28. A 4-digit number when rounded off to the nearest thousand is 8000.

(a) What is the greatest possible number?

(b) What is the smallest possible number?

Ans: (a) _____

(b) _____

(Turn over)

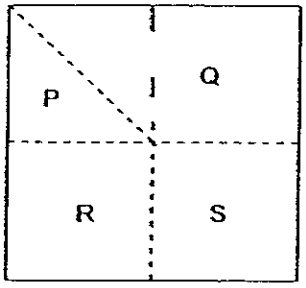
29. Apples are sold at the following prices.

Number of apples	Price
10	\$6.50
5	\$3.60
1	\$0.80

What is the maximum number of apples Mrs Lim can buy with \$15?

Ans: _____

30. The figure below is a square made up of four parts, P, Q, R and S. R and S are squares and each is $\frac{1}{4}$ of the figure.



Which of the two parts will add up to $\frac{5}{8}$ of the figure?

Ans: _____

☆ End of Paper ☆

METHODIST GIRLS' SCHOOL (Primary)
Semestral Assessment 1 (2008)
Primary 5

Mathematics

PAPER 2

Name: _____)

Class: P 5. _____

Time: 1h 40min

Paper 1 Booklet A (20)
Paper 1 Booklet B (20)
Paper 2 (60)
Total: (100)

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Show your working clearly as marks are awarded for correct working.

Write your answers in this booklet.

You are allowed to use a calculator.

This booklet consists of 13 printed pages.

Questions **1** to **5** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

1. At a gift shop, Mrs Raja bought an equal number of photo frames and stuffed toys with $368.
   Each photo frame cost $12 and each stuffed toy cost $34.
   How many photo frames did she buy?

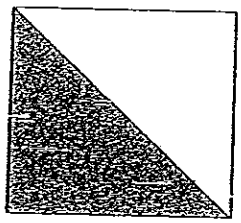
Ans: _____

2. A green grocer sold $\frac{5}{6}$ of his vegetables in the morning and $\frac{2}{5}$ of the remainder in the afternoon. What fraction of his vegetables was left? (*Express your answer in its simplest form*)

Ans: _____

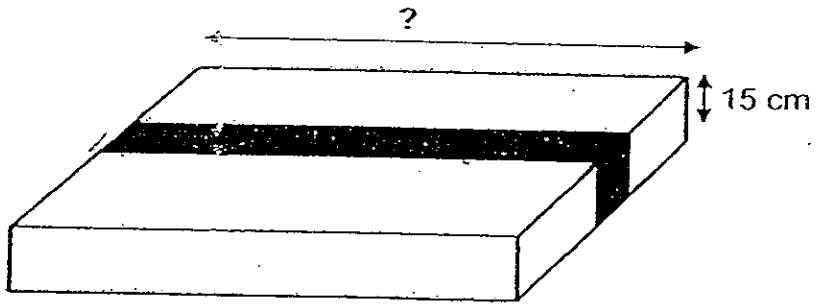
(Go on to the next page)

3. The perimeter of the square shown below is $\frac{4}{5}$ m. Find the area of the shaded triangle.



Ans: _____

4. A piece of tape 1.2 m long is wrapped exactly once (without overlap) around the box as shown.
What is the length of the box in metres?



Ans: _____ m

(Go on to the next page)

5. Sulaiman weighs 55.88 kg.
Chew Meng is 5 kg heavier than he.
Find their total weight when rounded off to 1 decimal place.

Ans: _____ kg

(Go on to the next page)

For questions 6 to 18, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [ ] at the end of each question or part-question.

(50marks)

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6. A group of people had a meal at a restaurant. The bill came to $343.20. They decided to share the cost of the meal equally. Mr Tan paid $143 for himself and 4 family members. What was the total number of people in the group?

Ans: _____

7. Belinda used $\frac{1}{5}$ of her money to buy a blouse and $\frac{1}{2}$ of her remaining money to buy a pair of shoes. She had $72 left. How much money did she have at first?

Ans: _____ [3]

James read $\frac{2}{5}$ pages of a book on Monday and 28 pages of the same book on Tuesday.

The remaining pages of the book left were $\frac{1}{2}$ of the total number of pages of the book.

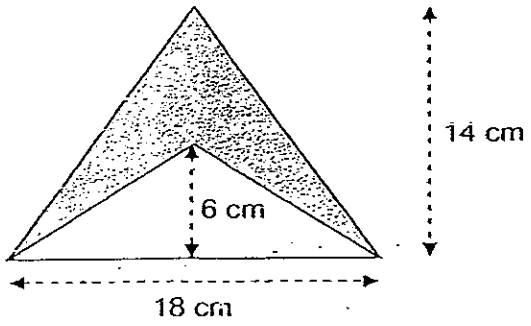
How many pages were there in the book?

Ans: _____

9. Mdm Haslinah was trying to group the pupils in her class.
When she put them into groups of 3, 1 pupil was left out.
When she put them into groups of 4, 1 pupil was also left out.
However, when she put them into groups of 7, no one was left out.
What was the <u>least</u> number of pupils in her class?

Ans: _____

10. Find the shaded area in the figure shown below.



Ans: _____ [3]

11. At a party, the ratio of the number of men to the number of women was 3 : 2. After 105 men left the party, the ratio of the number of men to the number of women became 5 : 8.
How many people were there at the party at first?

Ans: _____

ext page)

12. In the Maths Olympiad, Shu Mei scored a total of 84 points after attempting 50 questions.
For every question answered correctly, she scored 3 points.
For every wrong answer, 3 points were deducted.
How many questions did she answer correctly?

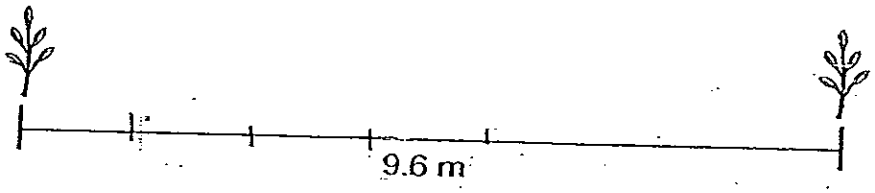
Ans: _____

13. A baker had some eggs. He used $\frac{1}{6}$ of the eggs to bake butter cakes and $\frac{3}{10}$ of the remaining eggs to bake chocolate cakes. He bought another 185 eggs and found that he had as many eggs as he had at first.
How many eggs did the baker have at first?

Ans: _____ [4]

(Go on to the next page)

14. Mr Azman planted seedlings along a 9.6 m straight path.
He planted 1 seedling at each end of the path.
The remaining seedlings were planted at equal distance from one another.
If the 2nd and 5th seedlings were 180 cm apart, how many seedlings did he plant in all?



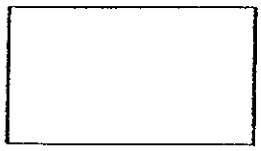
Ans: _____ [4]

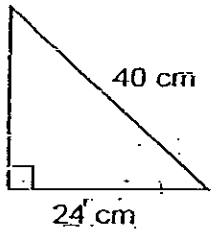
15. Mr Wong won \$12 000 in a contest. He gave $\frac{2}{5}$ of the prize money to his wife and kept $\frac{4}{9}$ of the remaining money for himself. He then gave the rest of the money to his 2 sons, John and Mark. John received \$400 more than Mark. How much did Mark receive?

Ans: _____ [5]

(Go on to the next page)

16. In the diagram shown below (not drawn to scale), the rectangle has the same perimeter as the triangle.
The area of the triangle is 384 cm^2.
The ratio of the length of the rectangle to its breadth is 5 : 3 .
Find the area of the rectangle.





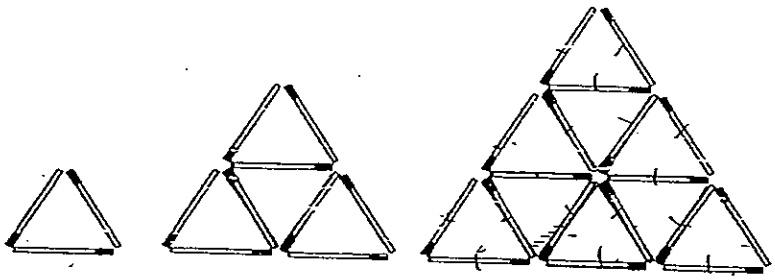
Ans: _____

17. Mandy has a box containing some pink, blue and green beads.
There are 480 more green beads than blue beads.
The ratio of the number of pink beads to the number of blue beads is 2 : 3.
The ratio of the number of green beads to the number of blue beads is 5 : 4.
Mandy then packed all her beads into packets of 40.
How many packets of beads did she have?

Ans _____ [5]

(Go on to the next page)

18. Rani used matchsticks to build triangles as shown below.



Pattern 1 Pattern 2 Pattern 3

Pattern	No. of small Δs formed	No. of matchsticks used
1	1	3
2	4	9
3	9	18
4	?	

(a) How many small Δs would be formed in Pattern 4?

(b) How many small Δs would be formed in Pattern 15?

(c) How many matchsticks are needed to form Pattern 10?

Ans: (a)_____

(b)_____

(c)_____

☆ End of Paper ☆

ANSWER SHEET

EXAM PAPER 2008

SCHOOL : MGS HIGH PRIMARY SCHOOL
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : SA-1

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

16)80000 **17)909099** **18)1/40** **19)30.07kg**

20)1.55L **21)2/15** **22)11** **23)2/27**

24) ½ **25)5:11** **26)5/16** **27)$40**

28)a)8499 **b)7500** **29)22** **30)Q and R**

Paper 2

1)12+34=46
368÷46=8 photo frames.

2)5x5=25
25+2=27
25+5=30
1-27/30=3/30=1/10

3)4/5÷4=4/5x1/4 =1/5
1/2x1/5x1/5=1/50m^2

4)0.15x2=0.30
1.2-0.30=0.90
0.90÷2=0.45

5)55.8+5=60.88
60.88+55.88=116.78
116.78≈116.8

6)143÷5=28.60
343.20-143=200.20
200.20÷28.60=7
7+5=12
There were 12 people in the group.

7)72÷2=36
36x5=180
She had $180 left.

8)2/5+1/2=9/10
1/10→28
10/10→28x10=280
There were 280 pages in the book.

9)The least number of pupils in her class is 49 pupils.

10) ½ x14x18=126
½ x18x6=54
126-54=72
The area of the shaded area is 72cm$_2$

11)12-5=7
7u→105
1u→105÷7=15
12+8=20
20u→15x20=300 people.

12)39 questions.

13)185÷5=37
37x12=444
The baker had 444 eggs at first.

14)180÷3=60
9.6m=960cm
960÷60=16
16+1=17
He planted 17 seedling plants.

15)12000÷15=800
800x5=4000
4000-400=3600
3600÷4=900
900x2=1800
Mark received $1800

16)Height of triangle→384/34x 2=32
Perimeter of triangle→32+24+40=96
16u→96
1u→96÷16=6
Breadth of rectangle→3x6=18
Length of triangle->5x6=30
Area of triangle→30x18=540
The area of the rectangle is 540cm$_2$

17)140 packets

18)a)16△s
b)225△s
c)165 matchsticks