2017 MOCK TEST

MATHEMATICS
PAPER 1

Name : _____ **( )**

Class : Primary 5 / _____

Date : 23 February 2017

BOOKLET A

15 Questions
20 Marks
Duration of Paper 1 (Booklets A & B): 1 hour

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 4
   (b) Questions 1 to 15
6. **You are not allowed to use a calculator.**

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 correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)

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1 Express 40 kg 48 g in grams.

(1) 448 g
(2) 4 048 g
(3) 40 048 g
(4) 40 480 g

2 Round off 49.453 to 1 decimal place.

(1) 49.3
(2) 49.4
(3) 49.5
(4) 49.6

3 Find the value of 8 000 x 400.

(1) 3 200 000
(2) 3 020 000
(3) 320 000
(4) 32 000

4 $506 \div 5 =$ _____

(1) $11\frac{1}{5}$
(2) $11\frac{5}{6}$
(3) $101\frac{1}{5}$
(4) $101\frac{5}{6}$

5 Find the value of $8 + 16 \div (5 - 3) \times 4$.

(1) 10
(2) 40
(3) 48
(4) 64

6 $2\frac{3}{4} =$ _____

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

7 $\frac{1}{3} \times \frac{4}{5}$ has the same value as _____.

(1) $\frac{3}{8}$
(2) $\frac{5}{8}$
(3) $\frac{4}{15}$
(4) $\frac{5}{12}$

8 How many of the letters have at least a line of symmetry?

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

9 One million, two hundred and five thousand and fifty-one written in numerals is _____.

(1) 1 025 051
(2) 1 200 551
(3) 1 205 051
(4) 1 250 051

10 Which of the following has the same value as 11 fifths?

(1) $\frac{5}{11}$
(2) $2\frac{1}{5}$
(3) $5\frac{1}{11}$
(4) $11\frac{1}{5}$

11 Which is the best estimate for 312 x 59?

(1) 300 x 50
(2) 300 x 60
(3) 400 x 50
(4) 400 x 60

12 Find the value of (55 hundreds + 50 tens) x 20 – 10 000.

(1) 5 500
(2) 101 000
(3) 110 000
(4) 120 000

13 Lucy had 42 more stickers than Mandy at first. Mandy gave 18 of her stickers to Lucy. Lucy now has 4 times as many stickers as Mandy. How many stickers did Mandy have at first?

(1) 44
(2) 38
(3) 26
(4) 20

14 Gillian had enough money to buy either 8 pencils or 12 erasers. She spent all her money on these 2 types of stationery. If she bought 6 pencils, how many erasers did she buy?

(1) 6
(2) 9
(3) 3
(4) 4

15 Mrs Wong bought some yellow paint and red paint to make orange paint. She used the same amount of yellow paint and red paint, and had $\frac{3}{4}$ of the yellow paint and $\frac{3}{8}$ of the red paint left. What fraction of the total amount of paint bought was used to make orange paint?

(1) $\frac{1}{2}$
(2) $\frac{5}{14}$
(3) $\frac{7}{8}$
(4) $\frac{7}{16}$

RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2017 MOCK TEST

MATHEMATICS
PAPER 1

Name : ______________________________ (   )

Class : Primary 5 / ________________

Date : 23 February 2017

BOOKLET B

15 Questions
25 Marks

In this booklet, you should have the following:
(a) Page 5 to Page 10
(b) Questions 16 to 30

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		20
BOOKLET B		25
TOTAL		45

Parent's Signature : ____________________

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

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16 How many thousands are there in ten million?

Ans: _____

---

17 $8.35 - 3.68 =$ _____

Ans: _____

---

18 Find the value of $\frac{3}{5} + \frac{7}{10}$.

Give your answer as a mixed number.

Ans: _____

---

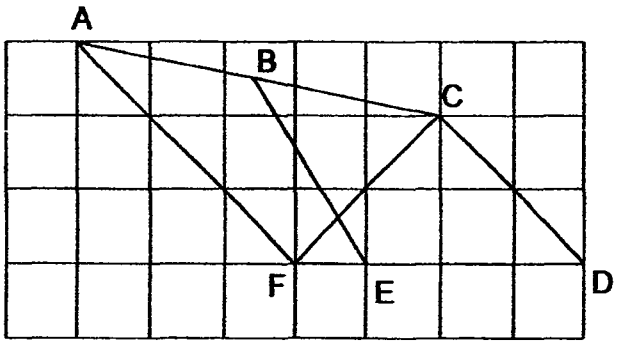
19 What is the product of $\frac{2}{9}$ and $\frac{3}{8}$?

Give your answer in its simplest form.

Ans: _____

4

20 Study the figure below carefully.
Which one of the following lines is parallel to Line CD?



Ans: _____

1

Questions 21 to 30 carry 2 marks each. Show your workings 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. (20 marks)

---

21 Arrange the following in order, beginning with the greatest.

$$1.25,\ 1\frac{2}{5},\ \frac{5}{2}$$

Ans: _____

---

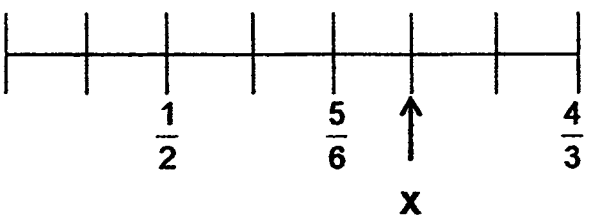
22 What is the missing number in the box?

$$8\frac{1}{4} = 5\frac{\square}{4}$$

Ans: _____

---

23 Part of a number line is shown below. What is the value of the reading at X?



Ans: _____

6

24 Express $\frac{5}{8}$ as a decimal.

Ans: _____

---

25 Find the value of $(2\frac{7}{10} - \frac{7}{5}) \times 2$.
Give your answer as a mixed number in the simplest form.

Ans: _____

---

26 $28 + 240 \div (3 \times 4) - (15 - 5) =$ _____

Ans: _____

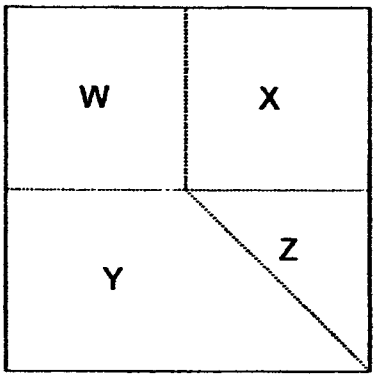
---

27 The number of students in a school when rounded off to the nearest hundred was 1 900 people. What was the <u>smallest</u> possible number of students in the school?

Ans: _____

---

28 The figure shown below is a square made up of four parts, W, X, Y and Z. W and X are squares and each is $\frac{1}{4}$ of the figure. If I add X and Y, what fraction of the figure does it form?

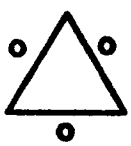


Ans: _____

---

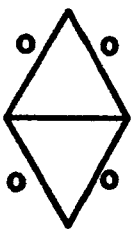
29 Some tables and chairs are arranged as shown below. How many chairs will there be in Pattern 8?

Pattern 1



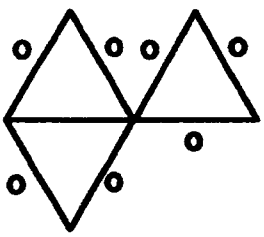
1 table
3 chairs

Pattern 2



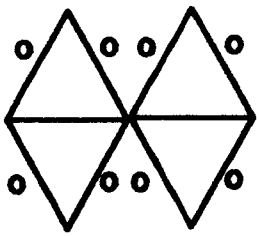
2 tables
4 chairs

Pattern 3



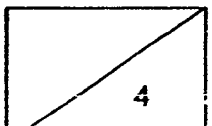
3 tables
7 chairs

Pattern 4

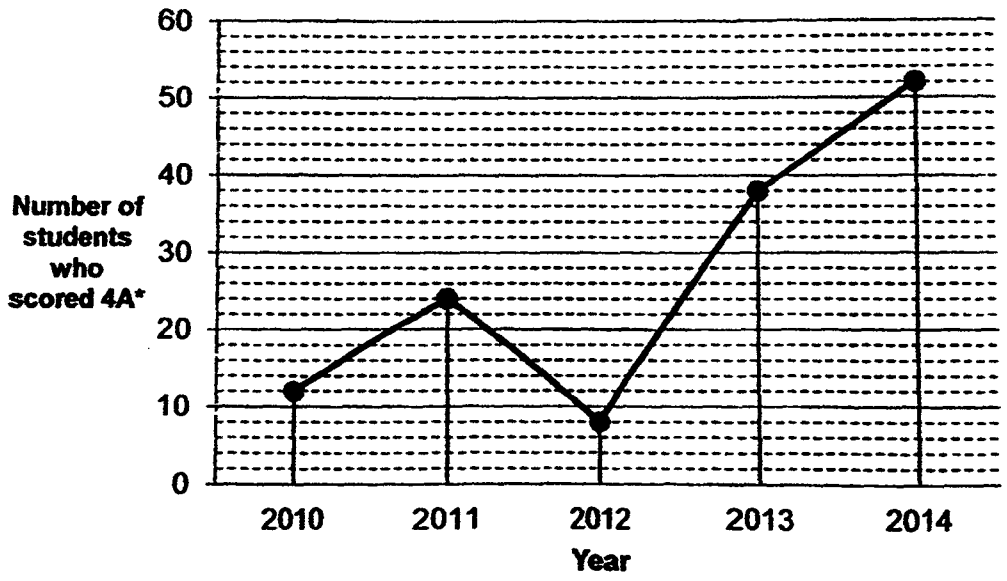


4 tables
8 chairs

Ans: _____



The graph below shows 134 P6 students of a school who had scored 4A* at the PSLE from 2010 to 2014. Study it carefully and answer Question 30.



30 In which year was there a decrease in the number of students who scored 4A*?

Ans: _____

END OF PAPER

2

2017 MOCK TEST

MATHEMATICS
PAPER 2

Name : _____ ( )

Class : Primary 5 / _____

Date : 23 February 2017

17 Questions
55 Marks
Duration of Paper 2: 1 hour 30 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 paper, you should have the following:
   (a) Page 1 to Page 11
   (b) Questions 1 to 17
6. You are allowed to use a calculator.

MARKS

	OBTAINED	POSSIBLE
PAPER 1		45
PAPER 2		55
TOTAL		100

Parent's Signature : _____

Questions 1 to 5 carry 2 marks each. Show your workings 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)

---

1 Write 112 044 in words.

Ans: _____

---

2 Alison had 9 364 coloured bands. She used 25 coloured bands to make a loom band. What is the greatest number of such loom bands she can make?

Ans: _____

---

3 Allen had 80 more local stamps than foreign stamps. After giving away half of the local stamps, there were 60 more foreign stamps than local stamps. How many local stamps did Allen have at first?

Ans: _____

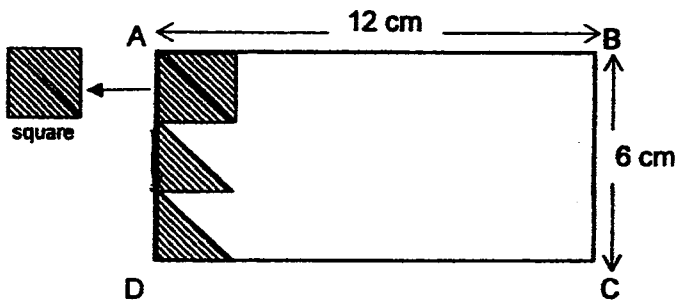
6

4 $2\frac{1}{8} + 2\frac{1}{8} + 2\frac{1}{8} + 2\frac{1}{8} = \square \times 4\frac{1}{4}$

Ans: _____

---

5 ABCD is a rectangular piece of paper. Kyra used identical triangular paper cutouts to cover part of the paper. What fraction of the total area of the rectangular piece of paper is covered if she used a total of 10 pieces of triangular paper cutouts?



Ans: _____

4

For Questions 6 to 17, show your workings clearly in the space below 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. (45 marks)

---

6 Vijay had $336. He bought 4 T-shirts at $39.90 each and spent part of the remaining money on 5 pairs of shorts. If he had $85.90 left, how much did each pair of shorts cost?

Ans: _____ [3]

---

7 Terry was 33 years old and his son was 5 years old 3 years ago. How old was Terry when he was 5 times as old as his son?

Ans: _____ [3]

6

8 Farmer A collected 5 times as many eggs as Farmer B. How many eggs must Farmer A give to Farmer B such that each farmer had 84 eggs at the end?

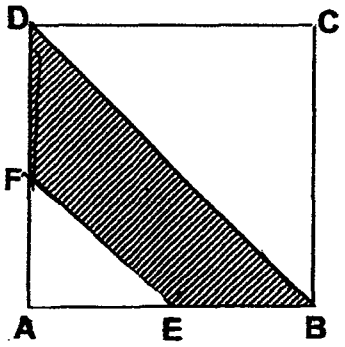
Ans: _____ [3]

---

9 The length of a rectangular vegetable plot is $\frac{2}{5}$ m while its perimeter is $1\frac{1}{2}$ m. Find the area of the vegetable plot.

Ans: _____ [3]

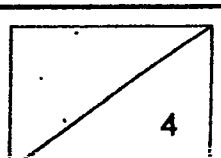
10 ABCD is a square. Point E and F are midpoints of AB and AD respectively. The shaded area is 54 cm^2. Express the area of the shaded part as a fraction of the area of Square ABCD in its simplest form.



Ans: _____ [4]

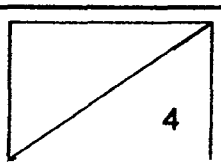
11 A carpenter had 13 wooden planks. Some of the planks were 5-m long and the rest were 7-m long. If all the planks were placed from one end to the other end without gaps over a distance of 87 m, how many 7-m wooden planks did the ~~farmer~~ carpenter use?

Ans: _____ [4]

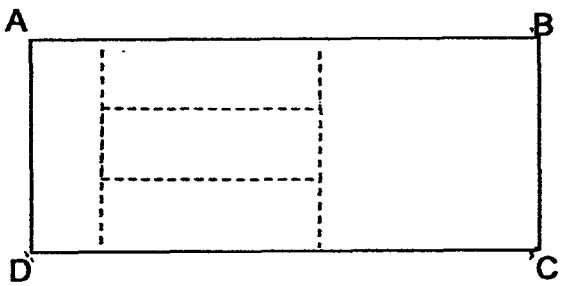


12 David had 73.5 kg of durians more than Jonathan. After Jonathan sold $\frac{2}{3}$ of his durians, David had 95.2 kg more durians than Jonathan. How many kilograms of durians did David have at first?

Ans: _____ [4]



13 Figure ABCD is made up of 4 identical rectangles and a square. If the perimeter of the whole figure ABCD is 240 cm, what is the area of the figure ABCD?



Ans: _____ [5]

5

14 A packet of stickers was shared among Ariel, Beth, Christy and Dawn. Ariel and Beth took half of the total number of stickers while Christy and Dawn took the rest. Ariel had twice as many stickers as Beth and Dawn had 32 stickers. Given that Christy had $\frac{1}{3}$ as many stickers as Beth, how many stickers were there in the packet?

Ans: _____ [3]

---

15 There are 44 students in Class 5A. $\frac{2}{3}$ of the number of girls is equal to $\frac{1}{4}$ of the number of boys. How many girls are there in Class 5A?

Ans: _____ .[3]

---

16 Benson had 3 times as many beads as Kingsley. After Benson gave 45 beads away and Kingsley lost 7 beads, Kingsley had 3 times as many beads as Benson. What was the total number of beads that Benson and Kingsley have at first?

Ans: _____ [5]

5

17 Mr Tan and Miss Fatimah bought a total of 239 lollipops altogether.
$\frac{2}{5}$ of what Mr Tan bought was 48 more than what Miss Fatimah bought.

(a) How many lollipops did Mr Tan buy?

(b) How many more lollipops did Mr Tan buy than Miss Fatimah?

Ans: (a) _____ [3]

(b) _____ [2]

END OF PAPER

5

School: Red Swastika
Level: P5
Subject: Maths
Term: CA1

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

Q16) 10 000 Q17) 4.67 Q18) $1\frac{3}{10}$ Q19) $\frac{1}{12}$ Q20) AF

Q21) $\frac{5}{2}$, $1\frac{2}{5}$, 1.25 Q22) 13 Q23) 1 Q24) 0.625 Q25) $2\frac{3}{5}$

Q26) 38 Q27) 1850 Q28) $\frac{5}{8}$ Q29) 16 Q30) 2012

Paper 2

Q1) One hundred and twelve thousand and forty four

Q2) 9364 ÷ 25 = 374 R14
The greates number is 374

Q3) 1 unit = 80 + 60 = 140
2 units = 140 x 2 = 280

Q4) $2\frac{1}{8} + 2\frac{1}{8} + 2\frac{1}{8} + 2\frac{1}{8} = 8\frac{4}{8}$

$8\frac{4}{8} \div 4\frac{1}{4} = 2$

Q5) 6 ÷ 3 = 2
12 ÷ 2 = 6
6 x 3 x 2 = 36
The fraction is $\frac{10}{36}$

Q6) $39.90 x 4 = $159.60
$336 - $159.60 = $176.40
$176.40 - $85.90 = $90.50
$90.50 ÷ 5 = $18.10

Q7) Age difference = 28
28 ÷ 4 = 7
7 x 5 = 35

Q8) 84 x 2 = 168 (total eggs)
168 ÷ 6 = 28 (Farmer A)
Farmer B has to give 2 units to Farmer A
28 x 2 = 56

Q9) $1\frac{1}{2} - \frac{2}{5} - \frac{2}{5} = \frac{7}{10}$

$\frac{7}{10} \div 2 = \frac{7}{20}$

$\frac{7}{20} \times \frac{2}{5} = \frac{7}{50}$

Q10) Divide the square into 8 parts
54 ÷3 = 18
18 x 18 = 144

$\frac{54}{144} = \frac{3}{8}$

Q11) Assume all to be 5 m planks
13 x 5 = 65
87 – 65 = 22
7 – 5 = 2
22 ÷ 2 = 11

Q12) 2 units = 95.2 kg – 73.5 kg = 21.7 kg
1 unit = 21.7 ÷ 2 = 10.85 kg
3 units = 10.85 x 3 = 32.55 kg
32.55 + 73.5 = 106.05kg

Q13) Length = 7 units
Breadth = 3 units

20 units = 240 (perimeter)
1 unit = 12
7 units = 12 x 7 = 84
3 units = 12 x 3 = 36
84 x 36 = 3024 cm^2

Q14) 8 units = 32
1 unit = 4
18 units = 72

Q15) $\frac{2}{3}$ of girls = $\frac{1}{4}$ of boys = $\frac{2}{8}$ of boys
3 + 8 = 11 (Total units of students)
44 ÷ 11 = 4
4 x 3 = 12 girls

Q16) 8 units + 21 = 45
8 units = 24
12 units = 36
4 x 7 = 28
36 + 28 = 65

Q17) 7 units = 239 + 84 = 287
1 unit = 41
a) 5 units = 205
b) 3 units = 123
123 + 48 = 171

End