RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2018 MOCK TEST

MATHEMATICS
PAPER 1

Name : _____ ( )

Class : Primary 5 / _____

Date : 28 February 2018

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 What is the value of the digit 7 in 1 070 003?

(1) 7000
(2) 70 000
(3) 700 000
(4) 7 000 000

2 Which of the following is a common factor of 6 and 8?

(1) 16
(2) 2
(3) 3
(4) 24

3 What is 519 445 rounded to the nearest 1000?

(1) 500 000
(2) 519 000
(3) 519 400
(4) 520 000

4 $56 \div 5 =$ _____

(1) $10\frac{1}{5}$
(2) $10\frac{5}{6}$
(3) $11\frac{1}{5}$
(4) $11\frac{5}{6}$

5 Which of the following has the same value as $\frac{4}{5}$?

(1) 4×5
(2) $5 \div 4$
(3) 0.45
(4) 0.8

6 What is the missing decimal?

8.739 = 8 + _____ + 0.009

(1) 0.7
(2) 0.73
(3) 0.739
(4) 0.8739

7 Mr Tan bought 2 ℓ of milk. He used 1500 ml of it. How much milk was left?

(1) 300 ml
(2) 500 ml
(3) 1300 ml
(4) 3500 ml

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

L A C E

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

9 Find the sum of $2\frac{3}{8}$ and $1\frac{1}{3}$.

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

(2) $3\frac{1}{24}$

(3) $3\frac{4}{11}$

(4) $3\frac{17}{24}$

10 Junie had $\frac{2}{3}$ of a bar of chocolate. She ate $\frac{1}{2}$ of it. What fraction of the bar of chocolate did she eat?

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

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

(3) $\frac{3}{5}$

(4) $\frac{5}{6}$

11 Which is the best estimate for 414 x 59?

(1) 400 x 50
(2) 400 x 60
(3) 500 x 50
(4) 500 x 60

12 Find the value of 37 + 3 × (15 hundreds ÷ 3 tens).

(1) 52
(2) 90
(3) 150
(4) 187

13 Luke had 22 more stickers than Mike at first. Mike gave 13 of his stickers to Luke. Luke now has 4 times as many stickers as Mike. How many stickers did Mike have at first?

(1) 29
(2) 25
(3) 16
(4) 12

14 Mrs Loh had enough money to buy either 8 pears or 12 oranges. She spent all her money on these 2 types of fruits. If she bought 6 pears, how many oranges did she buy?

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

15 Mrs Wong bought 2 types of ingredients, flour and sugar to make some cookies. She used the same amount of flour and sugar for the cookies, and had $\frac{3}{4}$ of the flour and $\frac{3}{8}$ of the sugar left. What fraction of the total amount of ingredients bought was used to make the cookies?

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

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)

16 Write one million, eight hundred and two thousand in numerals.

Ans: _____

17 Express $\frac{16}{3}$ as a mixed number.

Ans: _____

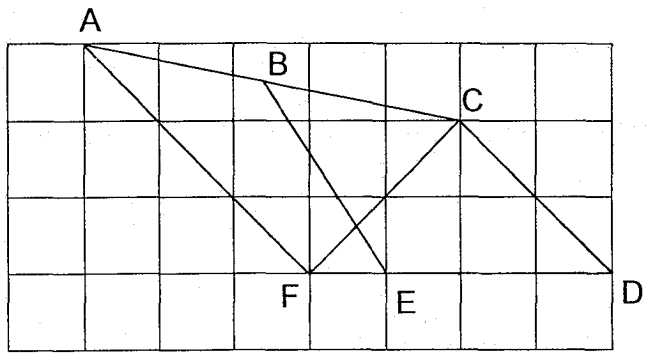
18 Find the product of $1\frac{3}{5}$ and 10 .

Ans: _____

19 There were 90 students in the school hall. $\frac{5}{6}$ of the students were girls. How many girls were in the hall?

Ans: _____

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



Ans: _____

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)

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

$\frac{11}{12}$ $\frac{9}{4}$ $2\frac{1}{6}$

Ans: _____, _____, _____

---

22 What is the missing number in the box?

$4\frac{1}{6} = 2\frac{\square}{6}$

Ans: _____

---

23 Find the value of $20\,800 \div 40$.

Ans: _____

---

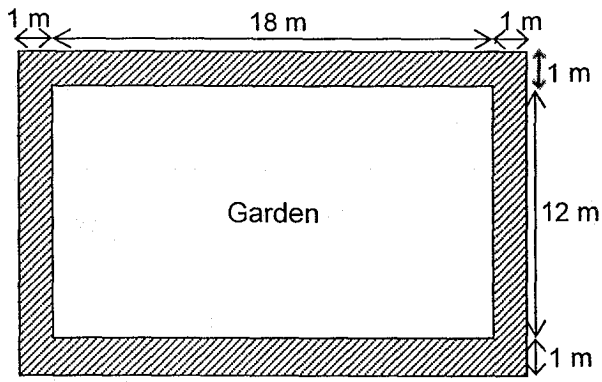
24 What is the missing number in the number pattern below?

623 020 , 622 720 , 622 420 , [?] , 621 820

Ans: _____

---

25 A rectangular garden measures 12 m by 18 m. A concrete path 1 m wide is paved around it. What is the area of the concrete path?



Ans: _____ m^2

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26 Kathy poured 5 ℓ of juice equally into 4 bottles. How much juice was there in each bottle?

Ans: _____ ℓ

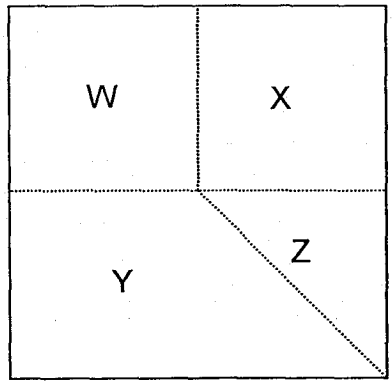
---

27 Painter A took $\frac{5}{6}$ h to finish a painting job. Painter B finished the same job in $\frac{2}{3}$ of the time. How much time did Painter B take?

Ans: _____ h

---

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: _____

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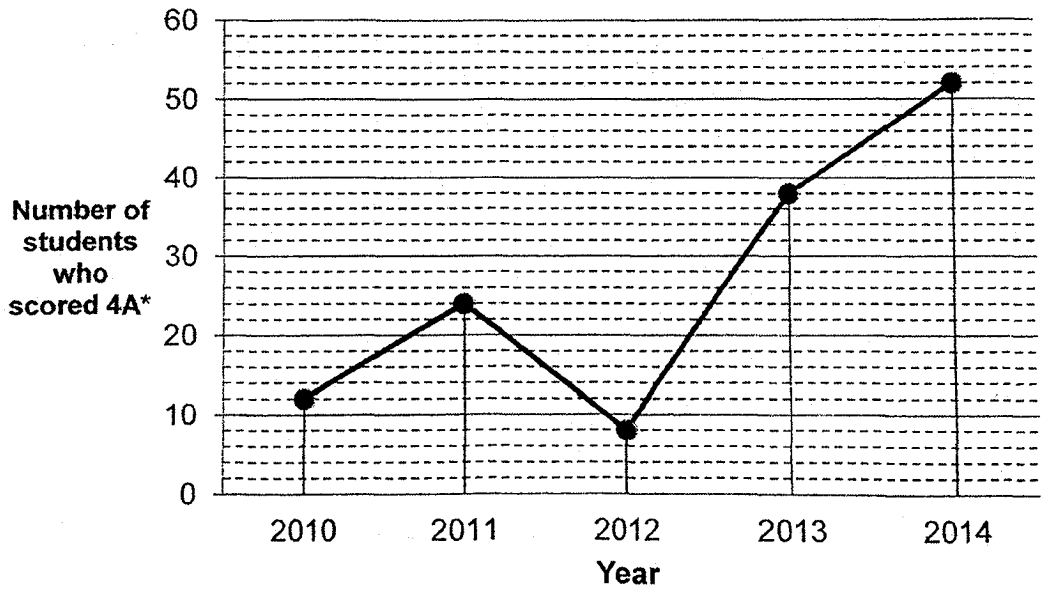
29 Ibrahim and Jacky had an equal number of stamps at first. After Ibrahim gave away 20 stamps and Jacky bought 32 stamps, Jacky had three times as many stamps as Ibrahim. How many stamps had Ibrahim at first?

Ans: _____

The graph below shows the number of 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 largest increase in the number of students who scored 4A*?

Ans: _____

END OF PAPER

RED SWASTIKA SCHOOL

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2018 MOCK TEST

MATHEMATICS
PAPER 2

Name : _____ ( )

Class : Primary 5 / _____

Date : 28 February 2018

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 12
   (b) Questions 1 to 17
6. You are allowed to use a calculator.

MARKS

	OBTAINED	POSSIBLE
PAPER 1		45
PAPER 2		55
TOTAL		100

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)

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1 Mrs Selvi baked 358 tarts. She packed some of them into boxes of 8 each. If she had 142 tarts left, how many boxes of tarts did she pack?

Ans: _____

---

2 For every 6 pens that Tom paid for, he would get another pen free. How many pens did Tom pay for if he had a total of 84 pens in the end?

Ans: _____

---

3 In a spelling competition, Jerry had to spell 20 different words. For every correctly spelt word, he was awarded 3 marks but for every wrongly spelt word, no mark was awarded. He was awarded 36 marks at the end of the competition. How many words did he spell wrongly?

Ans: _____

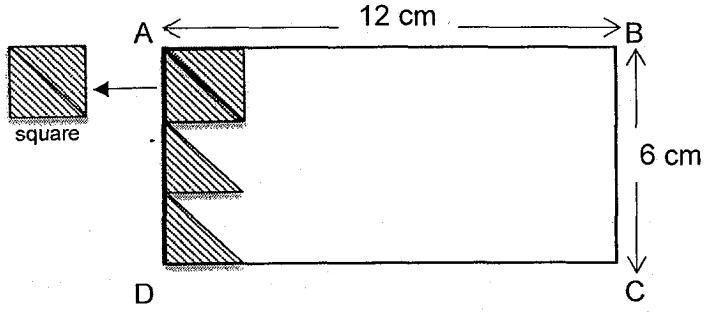
---

4 Donnie used a calculator to find the product of a mixed number and 3. He pressed 4 instead of 3 and obtained an answer of 55. What should the correct answer be? Give your answer in mixed number.

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 20 pieces of triangular paper cutouts?



Ans: _____

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)

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6 Gale had $168. She bought 4 files at $19.95 each and spent part of the remaining money on 5 pens. If she had $42.95 left, how much did each pen cost?

Ans: _____ [3]

---

7 Jeryl bought an equal number of swordtails and goldfish for $59.50. Each goldfish cost $3. Each swordtail cost $2.50 less than a goldfish. How many goldfish did he buy?

Ans: _____ [3]

---

8 Helena put some blue markers into 4 bags as shown below. The number of blue markers in each bag is shown in the table below.

Bag	A	B	C	D
Number of blue markers	19	24	15	80

Then, she added an equal number of red markers into each of the bags. As a result, Bag D contained the same number of markers as the total number of markers in Bags A, B and C. How many red markers did Helena put into each bag?

Ans: _____ [3]

---

9 There are 44 students in a class. $\frac{2}{3}$ of the number of girls is equal to $\frac{1}{4}$ of the number of boys. How many girls are there in the class?

Ans: _____ [3]

---

10 Jimmy received $3 more pocket money than Gerald daily. Each of them spent $10 a day and saved the rest of their pocket money. After Jimmy had saved $72, Gerald had only saved $48. What was the amount of Gerald's pocket money each day?

Ans: _____ [4]

11 Ranice went shopping with a sum of money. She spent $\frac{3}{8}$ of her money on a bag and $\frac{2}{5}$ of her remaining money on a pair of sandals. She then withdrew another $70 from the ATM and had $20 more than the amount she had at first before her purchase. What was the sum of money Ranice went shopping with at first?

Ans: _____ [4]

12 Ramesh had $17.90 which was made up of only 20-cent and 50-cent coins. There were nine more 20-cent coins than 50-cent coins. How many coins did Ramesh have altogether?

Ans: _____ [4]

13 Siling's Mid-Year Examination slip was torn. Based on the results shown on the slip below, what was the largest possible difference between her Mathematics and Science marks if she scored a total of 352 for her four papers?

ABC PRIMARY SCHOOL
Mid-Year Examination Result Slip

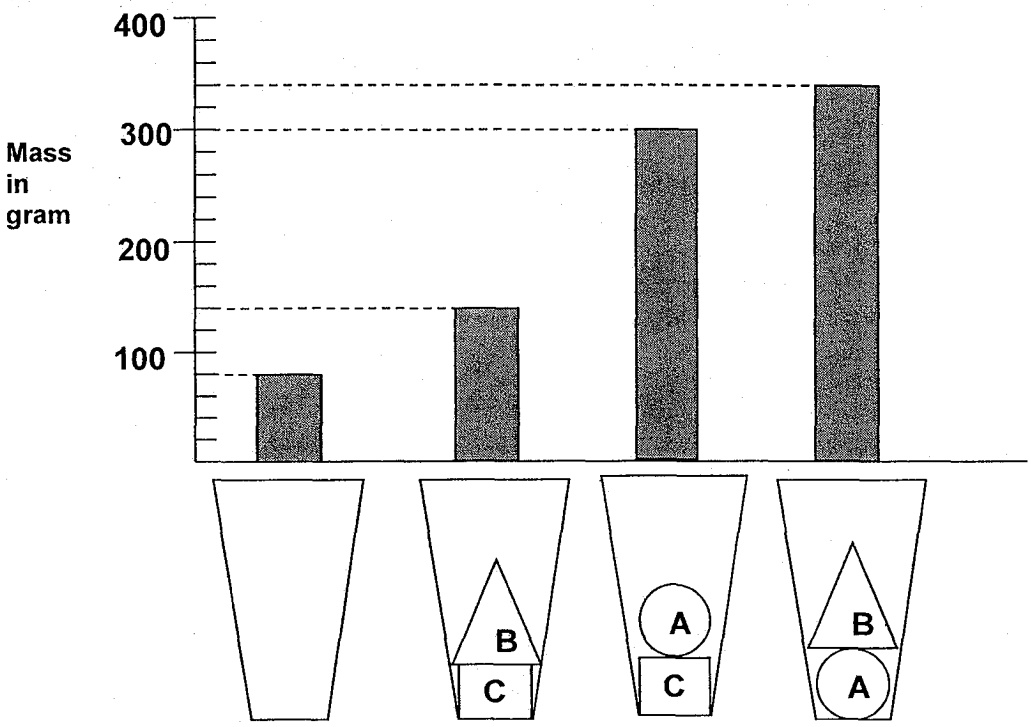
English	89
Chinese	95
Mathematics	9
Science	7

Ans: _____ [3]

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?

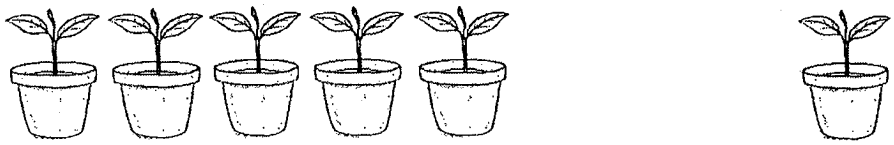
Ans: _____ [5]

15 The graph below shows the mass of a container when it is empty and when different combinations of objects A, B and C are placed in it. What is the mass of object A?



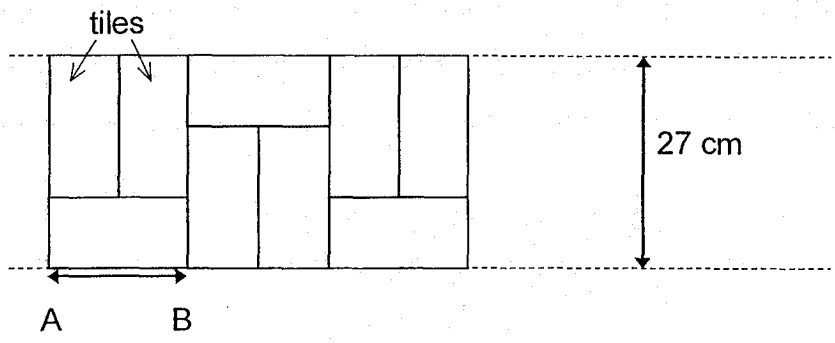
Ans: _____ [3]

16 Some potted plants were arranged at equal distance in rows. Each row had 45 pots. When 30 more potted plants were added, they had to be rearranged. After that, each row had 42 potted plants and there were 3 more rows than before. How many potted plants were there at first?

Row 1 

Ans: _____ [5]

17 A path of length 1980 cm is completely covered with identical tiles, following the pattern shown below. The width of the path is 27 cm.



(a) What is the length of AB?

(b) How many tiles were used to cover the entire path?

Ans: (a) _____ [2]

(b) _____ [3]

END OF PAPER

2018 Mock Test (Maths) CAT

Answers

1) 2
2) 2
3) 2
4) 3
5) 4
6) 2
7) 2
8) 3
9) 4
10) 2
11) 2
12) 4
13) 1
14) 3
15) 2

16) 180 2000

17) $5\frac{1}{3}$

18) 16

19) 75

20) FC

21) $\frac{9}{4}, 2\frac{1}{6}, \frac{11}{12}$

22) 13

23) 520

24) 6 22120

25) $64m^2$

26) $1\frac{1}{4}$ l

27) $\frac{10}{18}$ h

28) $\frac{5}{4}$

29) 46

30) 2013

Paper 2

1) $358 - 142 = 216$

$216 \div 8 = 27$ //

2) $84 \div 7 = 12$

$12 \times 6 = 72$ //

3) $36 \div 3 = 12$

$20 - 12 = 8$ //

4) $55 \div 4 = 13\frac{3}{4}$

$13\frac{3}{4} \times 3 = 41\frac{1}{4}$ //

5) $\frac{20}{36} = \frac{5}{9}$ //

6) $19.95 \times 4 = 79.80$

$168 - 79.80 = 88.20$

$88.20 - 42.95 = 45.25$

$45.25 \div 5 = 9.05$ //

7) $3 + 0.5 = 3.5$

$59.50 \div 3.5 = 17$ //

8) $19 + 24 + 15 = 58$

$24 = 80 - 58$

$= 22$

9) $44 \div 11 = 4$

$4 \times 3 = 12$ //

10) $48 \div 8 = 6$

$10 + 6 = \$16$ //

11) $70 - 20 = 50$

$50 \div 5 = 10$

$10 \times 8 = \$80$

12) $9 \times 0.00 = 1.80$

$17.90 - 1.80 = 16.10$

$16.10 \div 0.70 = 23$

$23 \times 2 + 9 = 55$ //

13) $89 + 95 = 184$

$352 - 184 = 168$

$168 - 70 = 98$

$98 - 70 = 28$ //

14) 8u => 32

1 u => 32 ÷ 8 = 4

18 u => 18 × 4 = 72

16) 40 × 3 = 126

126 - 30 = 96

96 ÷ 3 = 32

32 × 45 = 1440

15) BC = 140 - 80 = 60

2A + B + C = 220 + 260

= 480

2A = 480 - 60

= 420

A = 420 ÷ 2

= 210g

17):

a) 27 ÷ 3 = 9

9 × 2 = 18cm

b) 1980 × 27 = 53460

18 × 9 = 162

53460 ÷ 162 = 330