RULANG PRIMARY SCHOOL

Nurturing Competencies, Inspiring Excellence, Empowering Individuals
Scholars of Tomorrow

Established since 1930

Name : _____ ( )

Level : Primary Four

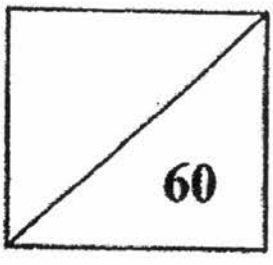
Class : Primary 4

Date :

Setters : Mr Surajkumar Natchinarkinian and Mr Susiayanto Sunaryo

SEMESTRAL ASSESSMENT 1
2017
MATHEMATICS

PAPER 1



TOTAL TIME FOR PAPER 1: 1 hour 15 minutes
30 questions
60 marks

- **DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.**
- **READ ALL THE INSTRUCTIONS CAREFULLY.**
- **ANSWER ALL THE QUESTIONS.**

Questions 1 to **20** carry 2 marks each. For each question, four options are given. One of these is the correct answer. Make your choice (1, 2, 3 or 4) and shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(40 marks)

1. Which of the following numbers has the digit 3 in the thousands place?
   (1) 12 435
   (2) 21 345
   (3) 34 215
   (4) 43 215

2. Which of the following adds up to 12 948?
   (1) 12 + 948
   (2) 1 + 2 + 9 + 4 + 8
   (3) 1 + 20 + 900 + 4000 + 80 000
   (4) 8 + 40 + 900 + 2000 + 10 000

3. Round 21 589 to the nearest hundred.
   (1) 21 000
   (2) 21 500
   (3) 21 600
   (4) 22 000

4. Find the product of 112×51.
   (1) 672
   (2) 5612
   (3) 5712
   (4) 6612

5. Which of the following is **not** a factor of 18?
   (1) 1
   (2) 2
   (3) 3
   (4) 4

6. How many twelfths are there in $4\frac{1}{6}$?

(1) 50

(2) 2

(3) 20

(4) 25

7. $\frac{5}{6} + \frac{7}{8} =$?

What is the missing number in the box above?

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

(2) $\frac{6}{7}$

(3) $1\frac{7}{24}$

(4) $1\frac{1}{2}$

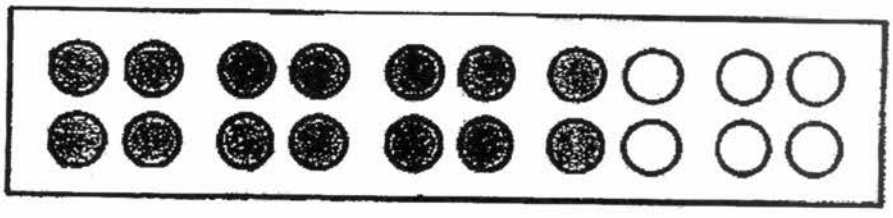
8. Look at the figure below. What fraction of the circles is **unshaded**?

(1) $\frac{7}{3}$

(2) $\frac{3}{7}$

(3) $\frac{3}{10}$

(4) $\frac{7}{10}$



9. What angle does the hour hand of a clock turn from 5 p.m. to 11 p.m.?

(1) 45°

(2) 90°

(3) 180°

(4) 270°

10. Mary is facing the east. How many $\frac{1}{4}$ turns in the clockwise direction should Mary make so that she will face the south ?

(1) 1

(2) 2

(3) 3

(4) 4

11. Which of the following is not a property of a rectangle?

(1) Opposite sides are parallel

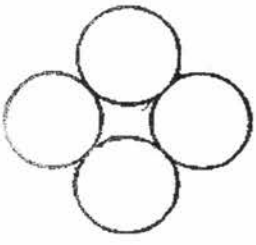
(2) Opposite sides are equal

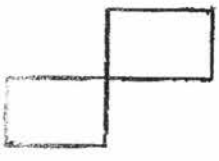
(3) All angles are right angles

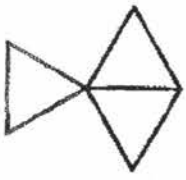
(4) All sides are equal

12. Look at the figures below. Which one of the following is not a symmetric figure?

(1) 

(2) 

(3) 

(4) 

13. I am a 2-digit number. Most numbers have an even number of factors. However, I have an odd number of factors. What number am I?

(1) 40

(2) 48

(3) 56

(4) 64

14. Aini packed 123 cookies into boxes of 8 and had some cookies left over. How many more cookies would she need in order to pack another box of cookies?

(1) 5

(2) 6

(3) 3

(4) 4

15. David had 12 boxes. Each box contained 250 marbles. How many marbles were there altogether?

(1) 300

(2) 750

(3) 2000

(4) 3000

16. Caili used $\frac{3}{4}$ kg of flour to bake some cookies and $\frac{7}{8}$ kg to bake a cake. How much flour did she use altogether?

(1) $\frac{5}{6}$ kg

(2) $\frac{21}{32}$ kg

(3) $1\frac{1}{4}$ kg

(4) $1\frac{5}{8}$ kg

17. Rani had 2ℓ of apple juice. She drank $\frac{3}{5}$ ℓ of it. How many litres of apple juice did she have left?

(1) $\frac{1}{5}$ ℓ

(2) $\frac{2}{5}$ ℓ

(3) $\frac{4}{5}$ ℓ

(4) $1\frac{2}{5}$ ℓ

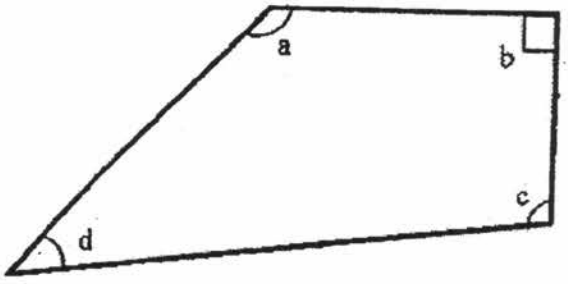
18. Which of the angles in the figure below is an acute angle?

(1) ∠a

(2) ∠b

(3) ∠c

(4) ∠d



19. John is facing South-west. How should he turn to face North?

(1) 90° clockwise

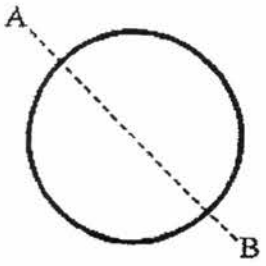
(2) 135° clockwise

(3) 180° clockwise

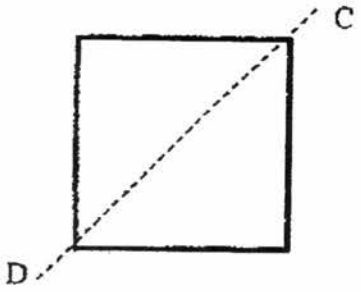
(4) 225° clockwise

20. Which of the following figures has the line of symmetry shown **wrongly**?

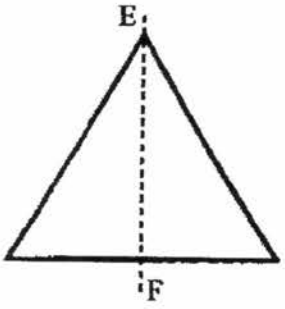
(1)



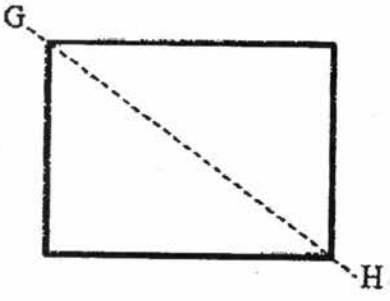
(2)



(3)



(4)



Questions 21 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.

(20 marks)

21. Write 34 026 in words.

Ans: _____

22. $5608 \div 8 =$?

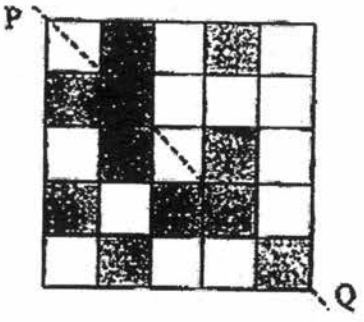
What is the missing number in the box above?

Ans: _____

23. Express $\frac{11}{2}$ as a mixed number.

Ans: _____

24. In the figure below, shade 2 more squares to make the figure symmetric with PQ as the line of symmetry.



25. Linda was thinking of a 3-digit number. When she rounded the number to the nearest ten her answer was 100. What was the greatest 3-digit number she was thinking of?

Ans: _____

26. A van can ferry up to 9 passengers. 146 teachers and pupils are going on an excursion. How many vans should be chartered for the teachers and pupils?

Ans: _____

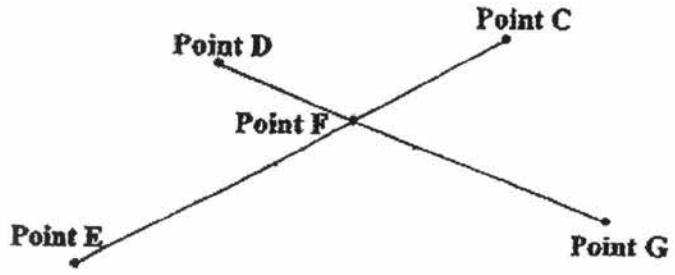
27. A baker packed some flour into 3 packets, A, B and C. Packet A had $\frac{3}{10}$ kg more flour than Packet B and $\frac{1}{5}$ kg more than Packet C. What was the difference in mass between Packets B and C?

Ans: _____ kg

28. At a party, $\frac{3}{7}$ of the children were boys and 12 of them were girls. How many children were there at the party?

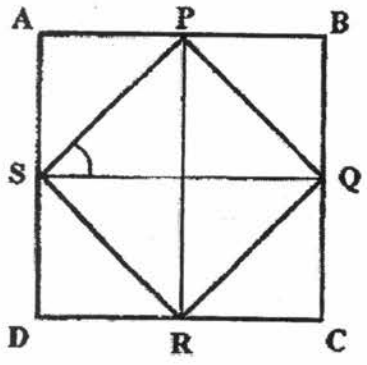
Ans: _____

29. Peter walked from Point E towards Point C. He stopped at Point F and turned clockwise to continue to walk to Point G instead of Point C. Measure the angle he turned at Point F so that he could walk to Point G.



Ans: _____

30. ABCD and PQRS are squares. Find ∠PSQ.



Ans: _____

End of Paper 1

Questions 1 to 10 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. **(20 marks)**

1. 47 800 is 7000 more than ?
What is the missing number in the box above?

Ans: _____

2. A number when rounded to the nearest ten is 6080. What is the smallest possible number?

Ans: _____

3. The number of men watching a football match at the stadium was 4 times the number of women. There were 714 women watching the match. How many more men than women were watching the match?

Ans: _____

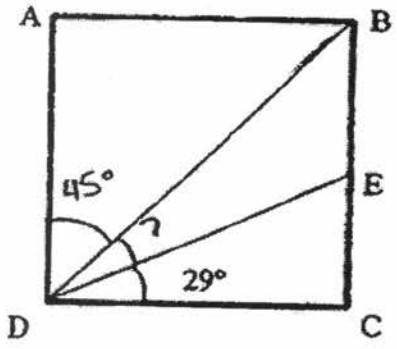
4. John bought 4 boxes of sweets. There were 360 sweets in each box. He packed all the sweets equally into 9 packets. How many sweets were packed into each packet?

Ans: _____

5. 45 people took part in a contest. $\frac{4}{9}$ of them were men and the rest were women. How many women took part in the contest?

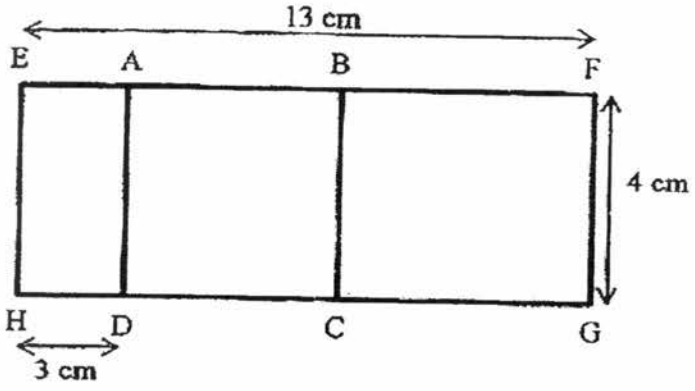
Ans: _____

6. In the diagram below, not drawn to scale, ABCD is a square. BD and DE are straight lines. Find $\angle BDE$



Ans: _____

7. The figure below is made up of a square, ABCD, overlapping a rectangle EFGH. EF = 13 cm, FG = 4 cm and DH = 3 cm. Find the length of CG.



Ans: _____ cm

8. Jonathan spent $\frac{5}{12}$ of his money on a present. He spent the remaining money on a storybook. He spent $124 more on the storybook than on the present. How much money did he have at first?

Ans: $ _____

9. Using a protractor, draw $\angle XYZ$ equal to 113° in the box below.

10. Both Bala and David are facing South-east. They decide to turn and face North. Bala will turn in a clockwise direction while David will turn in an anti-clockwise direction. One of them will make a bigger turn. How much bigger will the turn be?

Ans: _____

For Questions **11** to **16,** show your working clearly and write your answers clearly in the spaces provided. The number of marks available is shown in the brackets [ ] at the end of each question or part question.

(20 marks)

11. Jenny paid $540 for 4 similar dresses and 2 similar skirts. Each dress cost twice as much as a skirt. Find the cost of 1 dress.

Ans: _____ [3]

12. Mrs Lee baked thrice as many cookies as buns. After she had given away 18 cookies, she baked another 26 buns. There was an equal number of buns and cookies then. How many cookies did she bake?

Ans: _____ [3]

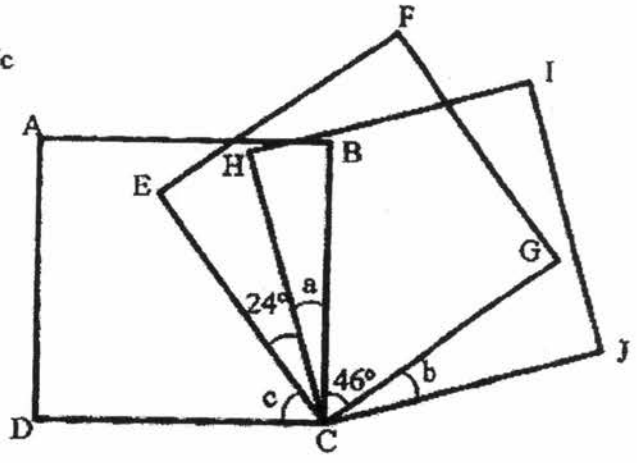
13. The number of marbles John has is between 85 and 120. The marbles can be packed equally into 5 or 7 packets without any remainder. What is the maximum number of marbles he has?

Ans: _____ [3]

14. The figure below, not drawn to scale, is made up of 3 squares, ABCD, EFGC and HIJC, overlapping one another.

(a) Find ∠a

(b) Find the sum of ∠a, ∠b and ∠c



Ans: (a) _____ [2]

(b) _____ [1]

15. After giving half of his salary to his mother, Paul spent $\frac{2}{5}$ of it to buy a handphone, He then had $450 left.

(a) What was Paul's salary?

(b) How much did the handphone cost?

Ans: (a) _____ [2]

(b) _____ [2]

16. $\frac{4}{7}$ of a jar was filled with milk powder. 540 g of milk powder were needed to fill the jar to its brim.

(a) How much milk powder was in the jar at first?

(b) How much milk powder could the jar hold?

Ans: (a) _____ [2]

(b) _____ [2]

End of Paper

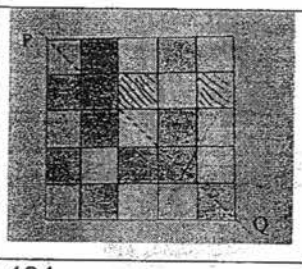
SCHOOL : RULANG PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2017 SA1

CONTACT :

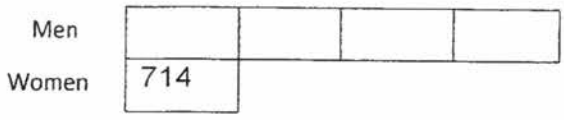
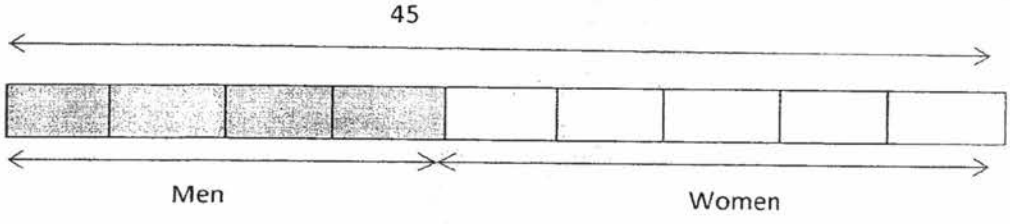
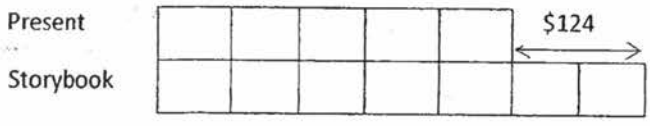
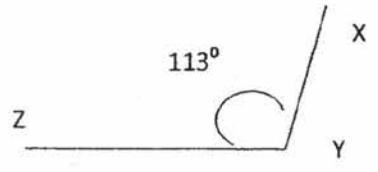
SECTION A

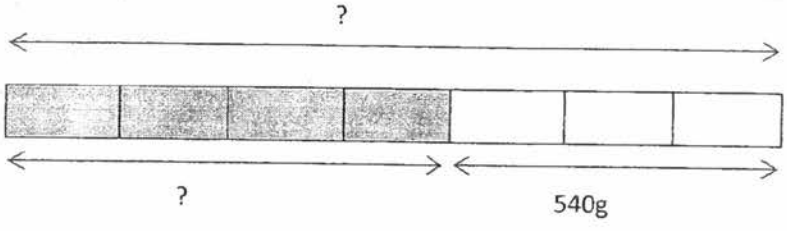
Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	4	3	3	4	1	3	4	3	1
Q 11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
4	4	4	1	4	4	4	4	2	4

SECTION B

Q21)	Thirty-four thousand and twenty-six
Q22)	701
Q23)	5.5
Q24)	
Q25)	104
Q26)	146 ÷ 9 = 16 R 2 16 + 1 = **17**
Q27)	1/5 = 2/10 3/10 – 2/10 = **1/10**
Q28)	12 ÷ 4 = 3 3 x 7 = 21
Q29)	230^0
Q30)	90 ÷ 2 = 45

Paper 2

Q1)	47800 – 7000 = **40800**
Q2)	6075
Q3)	 714 x 3 = **2142**
Q4)	360 x 4 = 1440 1440 ÷ 9 = **160**
Q5)	 45 ÷9 = 5 5 x 5 = **25**
Q6)	$45^0 + 29^0 = 74^0$ $90^0 - 74^0 =$ **16^0**
Q7)	4 + 3 = 7 13 – 7 = **6**
Q8)	 12/12 – 5/12 = 7/12 124 ÷ 2 = 62 62 x 12 = **744**
Q9)	

Q10)	Bala→180 + 45 = 225 David→ 90 + 45 = 135 225 – 135 = **90**
Q11)	4 dresses + 2 skirt = $540 2 x 4 = 8 2 x 1 = 2 8 + 2 = 10 540 ÷ 10 = 54 54 x 2 = 108 **(Ans : $108)**
Q12)	26 + 18 = 44 44 ÷ 2 = 22 22 x 3 = **66**
Q13)	X5 : 85, 90, 95, 100, **105,** 110, 115 X7 : 84, 91, 98, **105**, 112, 119 **Ans : 105**
Q14)	46 + 24 = 70 90 – 70 = 20 **(Ans: 20^0)** 90 – 20 = 70 70 – 24 = 46 20 + 46 = 66 90 – 66 = 24 46 + 20 + 24 = 90 **(Ans: 90^0)**
Q15)	a) $450 X 10 = **$4500** b) $450 X 4 = **$2250**
Q16)	 a) 540g ÷ 3 = 180g - 180g X 4 = **720g** b) 720g + 540g = **1260g**