NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1 – 2018
PRIMARY 5

MATHEMATICS
PAPER 1
(BOOKLET A)

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided for Questions 1-15.
6. The use of calculators is **NOT** allowed.

Name : _____ ( )

Class : 5_____

Date : 8 May 2018 **Parent's Signature :** _____

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) and shade your answer on the Optical Answer Sheet.
(20 marks)

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1. What is the value of the digit 9 in 897 400?

   (1) 900

   (2) 9 000

   (3) 90 000

   (4) 900 000

2. How many thousands make 4 380 **000**?

   (1) 438

   (2) 4 380

   (3) 43 800

   (4) 438 000

3. What is the product of 542 and 500?

   (1) 2 710

   (2) 27 100

   (3) 271 000

   (4) 2 710 000

4. Find the value of $60 - 24 \div (4 + 2) \times 2$

(1) 12

(2) 22

(3) 52

(4) 58

5. What are the common factors of 24 and 36?

(1) 1 , 3 , 9

(2) 1 , 4 , 8

(3) 2 , 3 , 8

(4) 2 , 4 , 6

6. Express $\frac{455}{100}$ as a decimal.

(1) 0.0455

(2) 0.455

(3) 4.55

(4) 45.5

7. Find the value of $\frac{6}{7} + \frac{1}{4}$

(1) $\frac{7}{11}$

(2) $\frac{24}{7}$

(3) $1\frac{3}{28}$

(4) $3\frac{3}{7}$

8. Ali had $\frac{3}{4}$ m of rope. He used $\frac{1}{5}$ of it.

What was the length of the remaining rope?

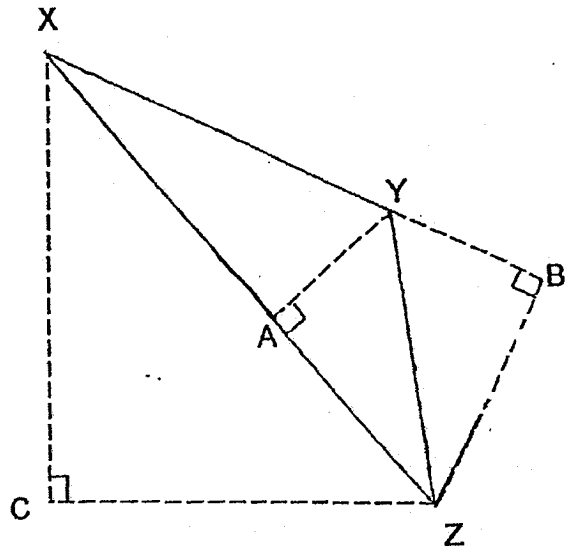
(1) $\frac{3}{5}$ m

(2) $\frac{3}{20}$ m

(3) $\frac{11}{20}$ m

(4) $\frac{1}{20}$ m

9. In the figure below, not drawn to scale, XYZ is a triangle.
Given that XY is the base which one of the following is the height?



(1) AY

(2) CX

(3) YZ

(4) BZ

10. Mary's height is 144 cm. Susan's height is 18 cm more than Mary's.
Find the ratio of Susan's height to Mary's height.

(1) 4 : 3

(2) 8 : 1

(3) 8 : 9

(4) 9 : 8

11. Jane saves $144 in six months.
She saves $6 more than Bala every month.
How much does Bala save every month?

(1) $18

(2) $23

(3) $25

(4) $30

12. Jeremy had $100.
He paid $27 for a toy car and twice as much for a pair of shoes.
How much money did he have left?

(1) $19

(2) $46

(3) $54

(4) $81

13. A box had 40 biscuits $\frac{1}{4}$ of them were chocolate biscuits.
$\frac{1}{8}$ of them were raisin biscuits and the rest were sugar biscuits.
How many sugar biscuits are there?

(1) 15

(2) 25

(3) 30

(4) 35

14. Alex is 15 years old. Ben is 5 years younger than Alex. Cory is 4 years younger than Ben. Find the ratio of Alex's age to Cory's age.

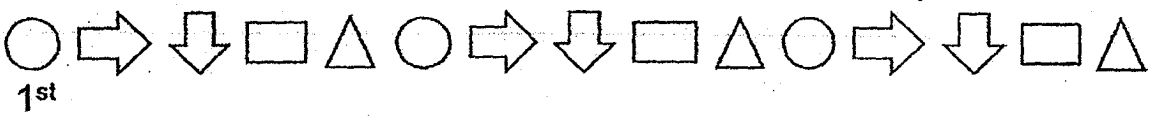
(1) 2 : 5

(2) 3 : 2

(3) 5 : 2

(4) 5 : 3

15. Study the number pattern below.



What is the 59th shape in the pattern?

(1)

(2)

(3)

(4)

End of Booklet A

NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1 – 2018
PRIMARY 5

MATHEMATICS
PAPER 1
(BOOKLET B)

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.
6. The use of calculators is **NOT** allowed.

Marks Obtained

Paper 1	**Booklet A**		**/ 45**
	Booklet B		
Paper 2			**/ 55**
Total			**/ 100**

Name : _____ ( )

Class : 5_____

Date : 8 May 2018 **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. Write eight hundred and thirteen thousand and ninety-four in numerals.

Ans:_____

17. Find the value of 789 X 80.

Ans:_____

18. 7 boys share 3 pizzas.
    What fraction of the pizza did each boy get?
    Express your answer as a fraction in its simplest form.

Ans:_____

19. Arrange the following distances from longest to shortest.

$8\frac{7}{10}$ m	8 m 7 cm	$8\frac{3}{5}$ m

_____, _____, _____

(longest)

20. 45 650 chicken wings were served during a school camp. This was 955 more than the number of hotdogs served. How many hotdogs were served?

Ans:_____

Questions **21** to **30** carry 2 marks each. Show your working clearly 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. A number when rounded to the nearest tenth is 6.6.

    What is the smallest possible number?

Ans: _____

22.

I am an even number.
I am between 70 and 90.
Some of my factors include 3 , 4 , 8.
What number am I?

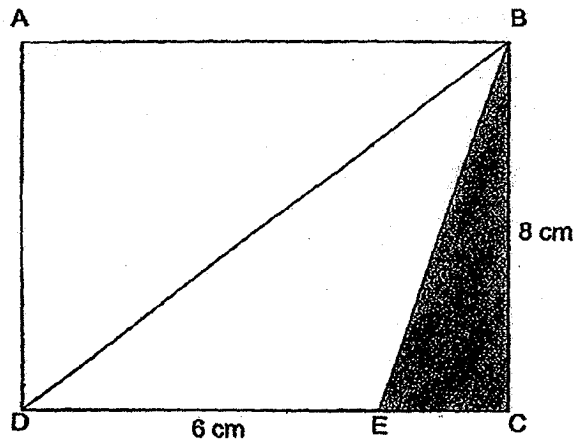
Ans: _____

23. The distance from Jamie's house to school is $\frac{3}{4}$ km.

Jamie walks to school and takes the same route home every day.
What distance does he cover from Monday to Friday?
Express your answer as a mixed number in its simplest form.

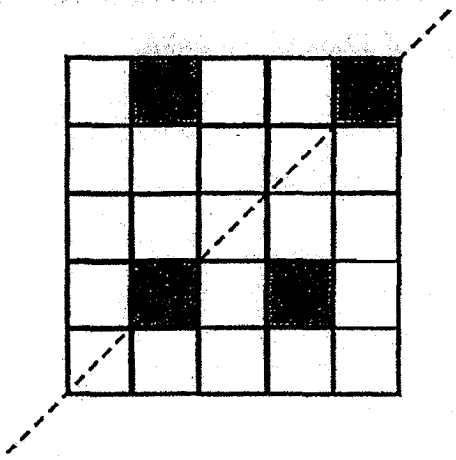
Ans: _____ km

24. ABCD is a rectangle. The perimeter of ABCD is 34 cm.
The length of DE is 6 cm. The length of BC is 8 cm.
Find the area of the shaded part.



Ans: _____ cm^2

25. Shade 2 more squares to complete the symmetric figure.
The dotted line is the line of symmetry.



26. Find the value in the box.

$24 \times 25 = 24 \times 17 + 24 \times \square$

Ans:_____

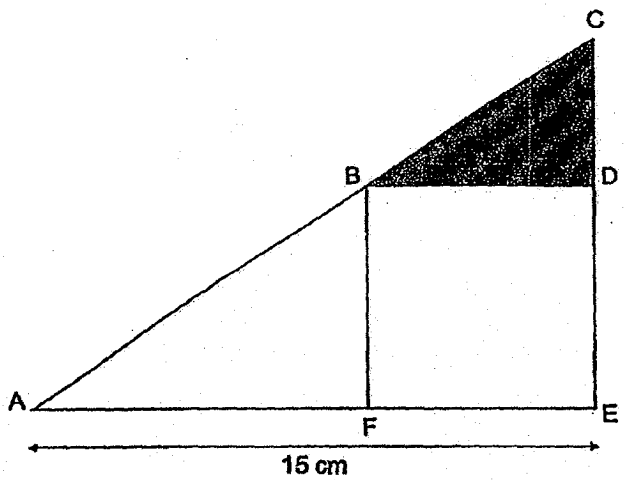
27. A ribbon 9 m long is cut into 4 identical shorter pieces.
What is the total length of 3 identical shorter pieces of ribbon?
Express your answer in mixed number in the simplest form.

Ans:_____ m

28. The total cost of 2 similar boxes of cupcakes and a box of brownies cost $30. The total cost of 5 such boxes of cupcakes and 5 such boxes of brownies cost $105. Find the cost of 1 box of cupcake.

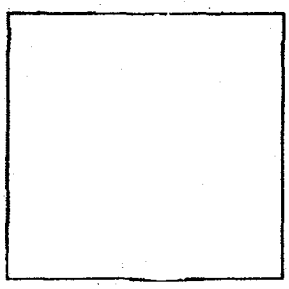
Ans: $_____

29. The figure below is not drawn to scale.
The area of triangle ACE is 75 cm^2. The area of square BDEF is 36 cm^2.
The length of AE is 15 cm. Find the shaded area.



Ans: _____ cm^2

30. A square with perimeter 48 cm below is cut into 6 equal rectangles. Find the area of one of these rectangles.



Perimeter = 48 cm

Ans:_____ cm^2

End of Booklet B

NAN HUA PRIMARY SCHOOL
SEMESTRAL ASSESSMENT 1 – 2018
PRIMARY 5

MATHEMATICS
Paper 2

Total Time for Paper 2: 1 hour 30 minutes

INSTRUCTION TO CANDIDATES

1. Write your name and index number in the space provided.
2. Do not turn over the page until you are told to do so.
3. Follow all instructions carefully
4. Answer all questions.
5. Write your answers in this booklet.
6. The use of an approved calculator is expected, where appropriate.

Marks Obtained

Total	Max Mark
	55

Name : _____ ( )

Class : 5_____

Date : 8 May 2018

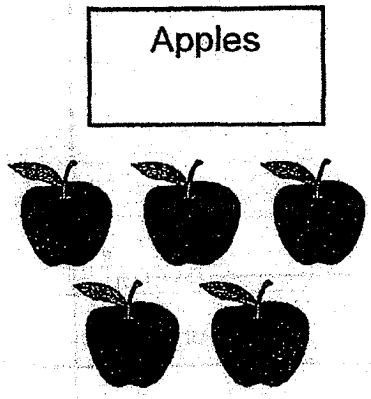
Parent's Signature : _____

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

(10 marks)

Do not write in this space

1. Jessie bought 30 apples. How much did she pay?



Ans: $_____

2. In a party of 30 people, 12 are adults. The rest are children.

a) Find the ratio of the number of adults to the number of children.

b) Find the ratio of the number of children to the total number of people.

Give your answer in its simplest form.

Ans: (a) _____

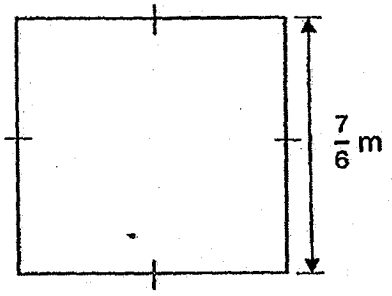
(b) _____

Do not write in this space

3. Mary had some water in a container. After she poured out $2\frac{1}{4}$ of water, there was $3\frac{1}{6}$ of water left. How many litres of water were there in the container at first? Give your answer as a mixed number in its simplest form.

Ans: _____ ℓ

4. Find the area of the square below. Express your answer as a mixed number in its simplest form.



Ans: _____ m^2

5. Rachel has 30 marbles more than Michael. After Michael gives Rachel 15 marbles, he has 20 marbles left. How many marbles does Michael have at first?

Ans: _____

For questions 6 to 17, show your working clearly 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)

Do not write in this space

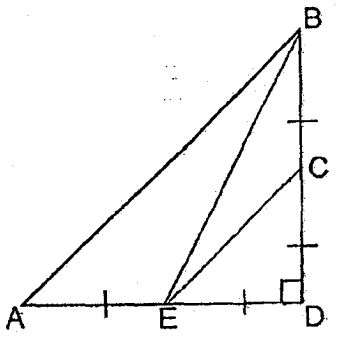
6. **Anthony has \$45. Ben has \$8 more than Anthony. Charles has \$7 more than Ben. Find the ratio of Charles' money to the total amount of money the three of them have. Give your answer in its simplest form.**

Ans: _____ [3]

7. **Triangle ABD is made up of triangle ABE, triangle BEC and triangle CED The area of triangle BED is 16 cm^2.**

a) What is the area of triangle ABE?

b) What is the area of triangle EBC?



Ans: a) _____ [1]

b) _____ [2]

Do not write in this space

8. John and Mark shared $170. John spend $\frac{1}{5}$ of his money and Mark spent $10 more than John. The amount of money John had left was twice as much as the amount Mark has left. How much money did John spend?

Ans: _____ [3]

9. Strings were sold in rolls of 100cm each. Jess needed 13 pieces of string, each of length 22cm for a party. What is the least number of rolls of strings Jess need?

Ans: _____ [3]

10. There are some mangoes in a crate. For every 5 good mangoes, there are 3 rotten ones. There are 35 good mangoes. How many more good mangoes than rotten mangoes are there?

Do not writ in this spac

Ans: _____ [4]

11. A bowl cost 4 times as much as a cup. Mrs Lee paid a total of $56 for 3 identical cups and a bowl. What was the difference in price between a bowl and a cup?

Ans: _____ [4]

12. Bobby has some balloons $\frac{1}{3}$ of them are white, $\frac{5}{12}$ of them are red and the rest are blue. There are 24 more red than blue balloons. How many white balloons are there?

Do not write in this space

Ans: _____ [4]

13. **Alex, Mary and Peter have 100 stickers altogether. Mary has 4 more stickers than Alex. Peter has twice as many stickers as Mary. How many stickers does Peter have?**

Do not write in this space

Ans: _____ [4]

Do not write in this space

14. Mrs Tan spent $\frac{1}{4}$ of her money on a necklace and $\frac{1}{5}$ of the remainder on a bag. She gave her daughter $60 and had $156 left.

a) What fraction of her money did Mrs Tan spend on the bag?

b) How much money did Mrs Tan spend on the necklace?

Ans: _____

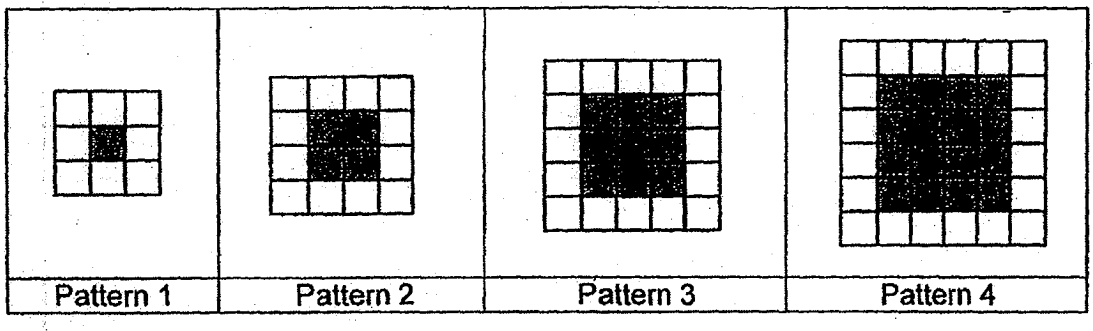
15. **Eileen and Felice had an equal number of books. After Eileen gave away 70 books and Felice gave away 174 books. Eileen has 3 times as many books as Felice. How many books did Eileen and Felice each have at first?**

Do not write in this space

Ans:_____ [4]

16. Some squares are used to

Do not write in this space



(a) What is the **number of white squares in pattern 5?**

(b) What is the **number of shaded squares in pattern 8?**

(c) What is the **total number of squares in pattern 7?**

Ans: a) _____ [1]

b) _____ [1]

c) _____ [2]

17. Tom and Jerry had \$160 altogether. Jerry gave $\frac{4}{7}$ of his money to Tom. After that, Tom gave $\frac{3}{5}$ of his money to Jerry. In the end, Tom had $\frac{1}{4}$ of the total sum of money. How much money did Tom have at first?

Do not write in this space

Ans:_____ [4]

--- End of Paper 2 ---

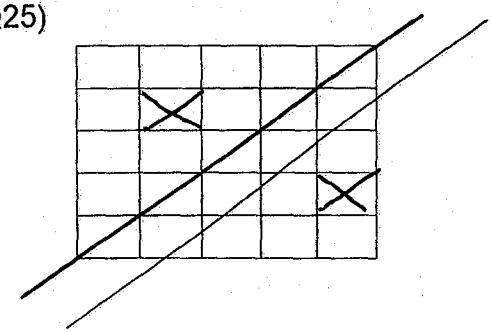
SCHOOL : NAN HUA PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2018 SA1

PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	2	3	3	4	3	3	1	4	4

Q 11	Q12	Q13	Q14	Q15
1	1	2	3	4

PAPER 1 BOOKLET B

Q16) 813094
Q17) 63120
Q18) 3/7
Q19) 87/10 m , 83/5 m , 8 m 7 cm
Q20) 44695
Q21) 6.55
Q22) 72
Q23) 7½ km
Q24) 12 cm2
Q25) 
Q26) **8**
Q27) **6¾ m**
Q28) **$9**
Q29) **12 cm2**
Q30) **24 cm2**

PAPER 2

Q1)	30 ÷5 = 6 6 x 3 = $18
Q2)	a)A : C 12 : 18 2 : 3 b)C : A+C 18 : 18 + 12 18 : 30 3 : 5
Q3)	2¼ + 31/6 = 5 5/12
Q4)	7/6 m x 7/6 m = 49/36 m = 113/36 m2
Q5)	20 + 15 = 35
Q6)	A→$45 B→$45 + $8 = $53 C→$53 + $7 = $60 } $4 + $5 + $60 = $158 Charles : total 60 : 158 30 : 79
Q7)	a)Area of ABE = area of BED 16cm2 = 16cm2 b)16cm2 ÷2 = 8cm2
Q8)	$170 – $10 = $160 8 units= $160 1 unit =$160÷8 = $20
Q9)	100cm ÷22cm = 4 R 12cm 13 ÷4 = 3 R 1 3 + 1 = 4
Q10)	G : R 5 : 3 35 : 21 35 – 21 = 14
Q11)	4u + 3u = $56 7u = $56 1u = $56 ÷7 = $8 4u – 1u = 3u 3u = $8 x 3 = $24
Q12)	1/3 x 4 = 4/12 (white) Total→12u White→4u

	Red→5u Blue→12u – 4u – 5u = 3u 5u – 3u = 2u 2u = 24 4u = 24 x 2 = 48
Q13)	100 + 4 = 104 4 units = 104 1 unit = 104 ÷ 4 = 26 26 x 2 = 52
Q14)	a)1 – ¼ = ¾ 1/5 x ¾ = 3/20 b) ¼ = 5/20 total 5u 3u 12u = $60 + $156 = $216 (necklace(?) bag 1u = $216 ÷ 12 = $18 5u = $18 x 5 = $90
Q15)	174 – 70 = 104 2 units = 104 1 unit = 104 ÷ 2 = 52 3 units = 52 x 3 = 156 156 + 70 = 226
Q16)	a)24 b)8 x 8 = 64 c)13 + 2 = 15 49 + 15 = 64 15 + 2 = 17 64 + 17 = 81
Q17)	$20