NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL EXAMINATION
2018 (Practice Paper 1)

PRIMARY 2

MATHEMATICS

Duration: 1 hour 30 minutes

INSTRUCTIONS TO PUPILS

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
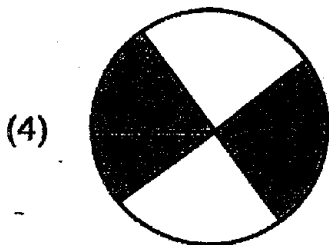3. Answer all questions.
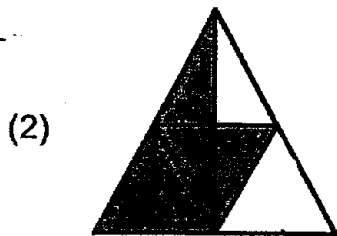4. Write your answers in this booklet.

Name: _____(   )
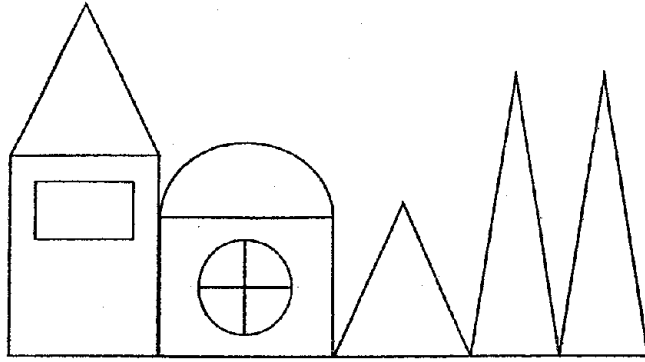
Class: Primary 2 (   )

Parent's Signature: _____

Section A	/ 40
Section B	/ 40
Section C	/ 20
Total	/ 100

Questions **1** to **20** 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 write your answer (1, 2, 3 or 4)
in the bracket ( ) provided.

(40 marks)

1. What is the missing number in the number pattern below?

188, 198, _____, 218, 228

(1)   108   (2)   200
(3)   208   (4)   298   (   )

2. What is the value of 6 ones, 2 tens and 3 hundreds?

(1)   263   (2)   326
(3)   362   (4)   623   (   )

3. Subtract 140 from 843.

(1)   694   (2)   703   –
(3)   739   (4)   983   (   )

4. 7 groups of 2 is the same as _____.

(1)   2 + 2
(2)   7 + 2
(3)   2 + 2 + 2 + 2 + 2 + 2 + 2
(4)   7 + 7 + 7 + 7 + 7 + 7 + 7   (   )

5. Which one of the following shows that $\frac{3}{5}$ of the figure is shaded?

(1)

(2)

(3)

(4)

(   )

6. Look at the picture below.
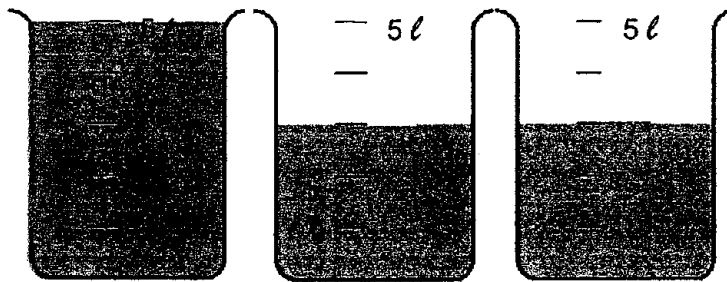

How many triangles are there in the picture?

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

7. How many litres of water are there in the beakers shown below?

(1) 15   (2) 11
(3) 8   (4) 6   (   )

8. Wen Hui has 440 chocolates.
   Fatimah has 245 chocolates fewer than Wen Hui.
   Bernard has 37 chocolates fewer than Fatimah.
   How many chocolates does Bernard have?

   (1) 158   (2) 162
   (3) 195   (4) 205   (   )

9. Miss Lim gave some paper flowers to 5 pupils.
   Each pupil received 4 paper flowers.
   How many paper flowers did Miss Lim give altogether?

   (1) 1   (2) 9
   (3) 20   (4) 24   (   )

10. There were 2 red bags and 3 blue bags.
    35 marbles were packed equally into all the bags.
    How many marbles were there in each bag?

    (1) 5   (2) 7
    (3) 30   (4) 40   (   )

4

11. Measure the objects using the ruler given below.

How much longer is the length of the pencil than the length of the pair of scissors?

(1) 5 cm
(2) 2 cm
(3) 3 cm
(4) 7 cm   (   )

12. Look at Jane's holiday schedule as shown below.

Time	Activity
8.00 a.m. – 8.30 a.m.	Breakfast
8.30 a.m. – 9.00 a.m.	Reading
9.00 a.m. – 9.30 a.m.	Reading
9.30 a.m. – 10.00 a.m.	Drawing
10.00 a.m. – 10.30 a.m.	Swimming
10.30 a.m. – 11.00 a.m.	Swimming
11.00 a.m. – 11.30 a.m.	Swimming

Which activity lasted for an hour?

(1) Breakfast
(2) Drawing
(3) Reading
(4) Swimming   (   )

13. 2 files cost $20.
    3 books cost $24.
    How much more money does a file cost than a book?

    (1) $10   (2) $2
    (3) $8   (4) $4   (   )

14. Mike has 3 photographs.
    He has 2 photo albums.
    Each of the albums can hold 9 photographs.
    How many more photographs does he need to fill the 2
    albums completely?

    (1) 6   (2) 14
    (3) 15   (4) 18   (   )

15. The sum of 2 numbers is 739.
    The bigger number has 5 tens, 4 hundreds and 3 ones.
    What is the smaller number?

    (1) 286   (2) 692
    (3) 789   (4) 792   (   )
                                                       —

16. 5 eggs are used to bake 2 similar cakes.
    How many eggs are needed to bake 8 such cakes?

    (1) 40   (2) 20
    (3) 15   (4) 4   (   )

6

17. A baker had 35 kg of flour at first.
He bought more flour and used 145 kg of it.
He had 26 kg of flour left.
How many kilograms of flour did he buy?

(1)   119   (2)   136
(3)   180   (4)   206   (   )

18.

| $\frac{2}{6}$ | | $\frac{5}{6}$ | | $\frac{4}{6}$ | | **A** | |
| $\frac{1}{6}$ | $\frac{1}{6}$ | $\frac{3}{6}$ | $\frac{2}{6}$ | $\frac{2}{6}$ | $\frac{2}{6}$ | $\frac{1}{6}$ | $\frac{2}{6}$ |

What is the value of A?

(1) $\frac{1}{6}$ (2) $\frac{3}{6}$

(3) $\frac{1}{12}$ (4) $\frac{3}{12}$ (   )

19. Mary bought 3 of the items as shown below.
    She paid with a fifty-dollar note and received 3 ten-dollar notes as change.
    Mary did **not** buy a _____.

Box of crayons
$7

T-shirt
$5

Storybook
$4

Bag
$8

(1) Bag   (2) Box of crayons
(3) Storybook   (4) T-shirt   (   )

20. Jason buys a box of chocolate for $4.20.
He gives the cashier one five-dollar note.
The cashier gives him his change using the **smallest number** of coins possible.
The coins available in the cashier's box are as shown below.

How many coins does Jason receive?

(1) 5   (2) 2
(3) 3   (4) 4   (   )

Questions **21** to **40** 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.

(40 marks)

21a) Write one thousand in numerals.

Answer : _____

b) Write six hundred and nine in numerals.

Answer : _____

22. Arrange the following numbers in order, starting from the smallest.

299, 922, 292, 929

_____ , _____ , _____ , _____

23. Rosie uses 3 m of cloth to make one dress.
How much cloth does she need to make 5 such dresses?

Answer : _____m

10

24.	What fraction of the figure is shaded?

Answer : _____

25.	Arrange the following fractions in order.
	Begin with the greatest.

$$\frac{1}{9} \quad , \quad \frac{1}{2} \quad , \quad \frac{1}{11} \quad , \quad \frac{1}{5}$$

_____ , _____ , _____ , _____
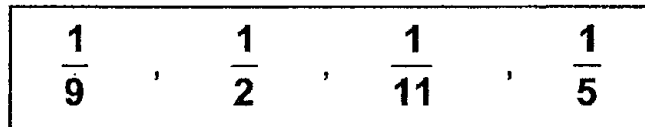
26.	The clock below shows the time Muthu goes for his swimming lesson in the morning.
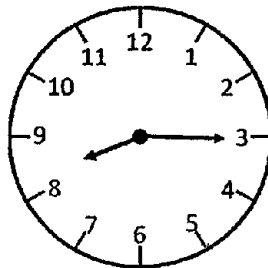
What time does Muthu go for his swimming lesson?
Write the time in a.m. or p.m.

Answer : _____

27. Look at the figure below.
Copy the figure in Box A onto the square grid of Box B.

Box A	Box B
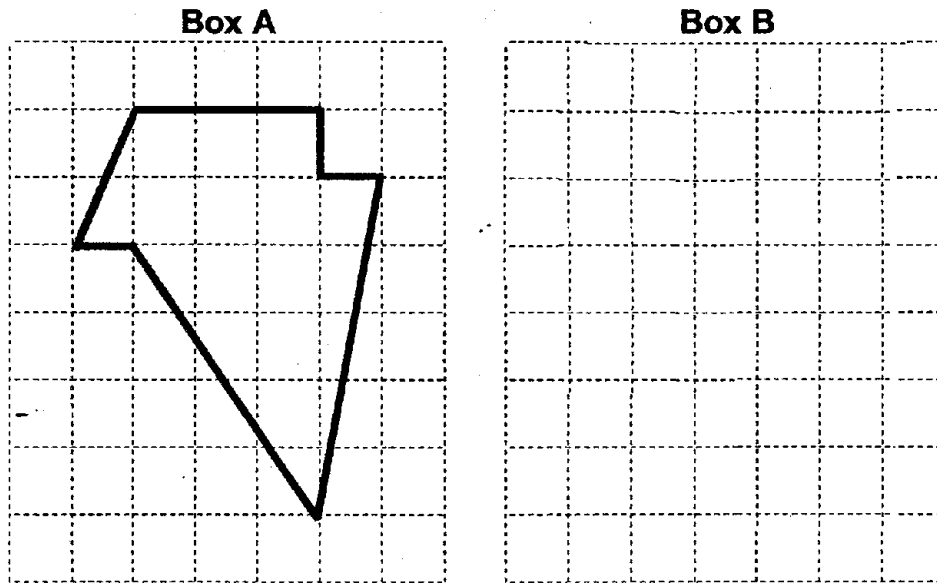
28. Bob has the amount of money as shown below.
How much money does he have altogether?
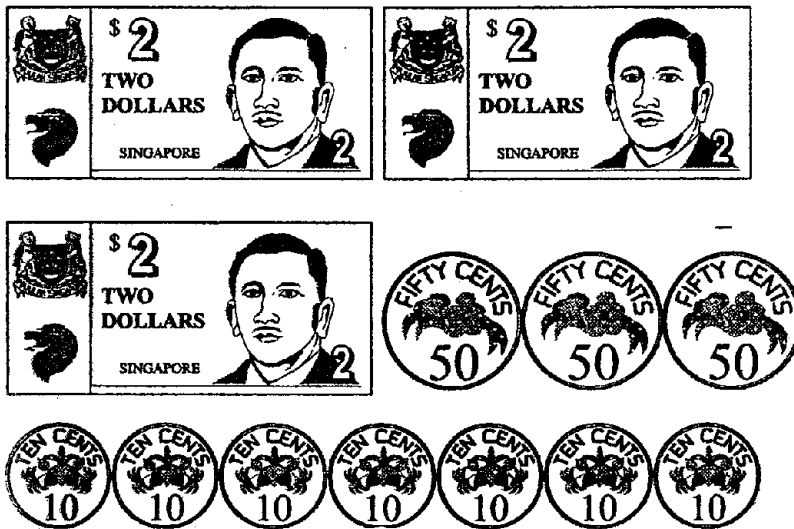
Answer : $ _____

29. Sonia has 156 beads.
Xuan Hui has 275 beads more than Sonia.
How many beads does Xuan Hui have?

Answer : _____

30. Mrs Dharani sewed 3 buttons on each shirt.
She used a total of 27 buttons on some shirts.
How many such shirts did she sew the buttons on?

Answer : _____

31. Look at the picture below.
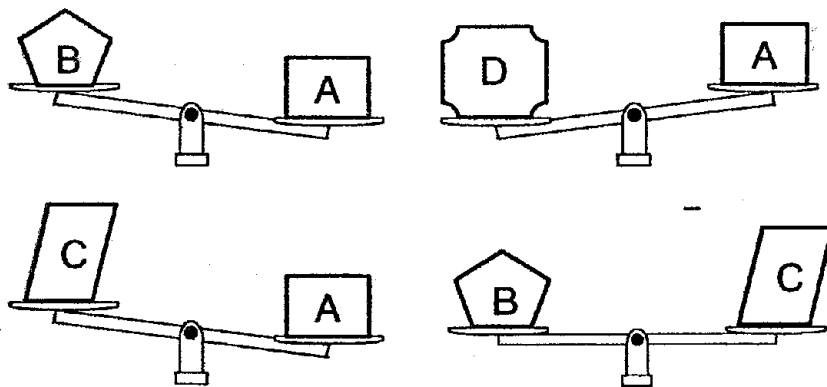
Which object is the heaviest?

Answer : _____

32. $$\frac{1}{7} + \boxed{B} = \frac{5}{7}$$

What is the value of B?

Answer : _____

33. Look at the figure below.
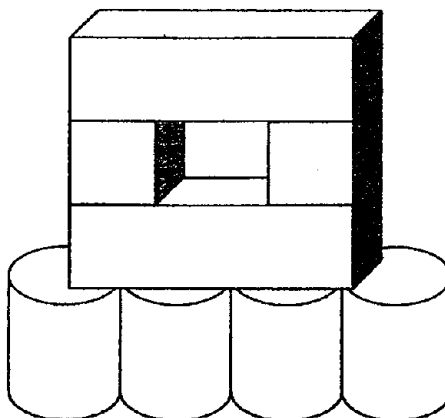
Fill in the blanks.

There are _____ cylinders and _____ cubes.

34. What is the missing number?

```
[3]( 8 )[13]      [12]( 17 )[22]

[27]( 32 )[37]    [49]( ? )[59]
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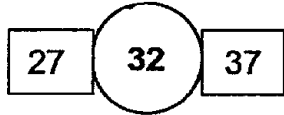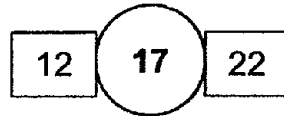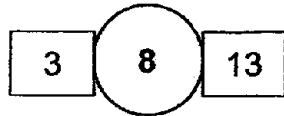
Answer :_____

35. How many different 3-digit even numbers can be formed using the cards below?

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[ 0 ]   [ 5 ]   [ 6 ]
```
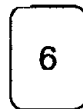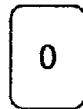
Answer :_____

36. A book has 699 pages.
Zhi Ming finished reading the book in 2 weeks.
He read 201 pages in the first week.
How many more pages did he read in the second week than in the first week?

Answer :_____

15

37. Look at the pattern below.

◇ □ △ ○ ◇ □ △ ○ ◇ □ ...
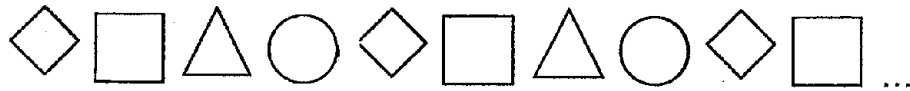
What is the 20th shape in the above pattern?
Circle the shape.

◇   □   △   ○
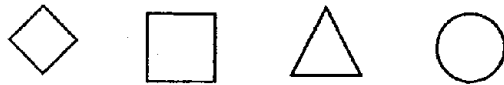
38. Class 2P enters a competition to design a flag as shown below.
They are given 3 colours to choose from: blue, red and green.
The flag must have two colours.
How many ways can Class 2P design the flag?

Answer : _____

16
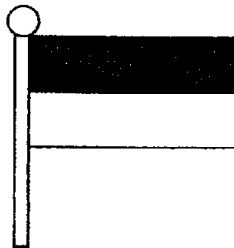
39. The clocks below show the starting time and ending time of Alvin's violin lesson.

| Start | End |
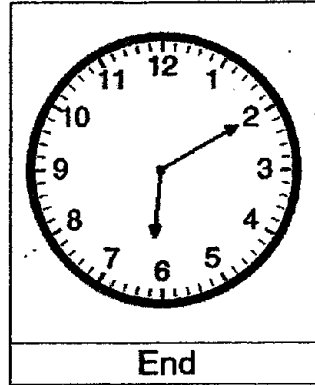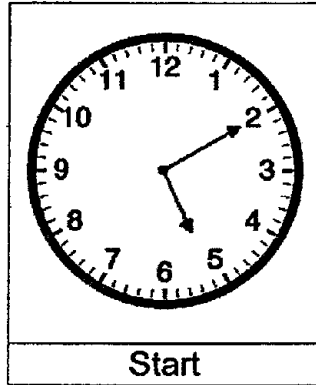
He had a break for 10 minutes during his lesson.
How long did he play the violin?

Answer : _____min

40. Ahmad wanted to fill a fish tank with water using some big pails and some small pails.
Each time, the water in the pail is filled to the brim.
He used a total of 8 small and big pails to fill the fish tank with 28 ℓ of water.

Small pail
3-litre

Big pail
5-litre

How many big pails did Ahmad use?

Answer : _____

For questions **41** to **45**, 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.

(20 marks)

41. A shop had 150 pencils.
    Ai Mei bought 126 pencils from the shop.

    (a) How many pencils were left in the shop?

    _____ pencils were left in the shop.

    (b) Pencils were sold in packets of three.
        Vanessa bought 21 pencils.
        How many packets of pencils did Vanessa buy?

    Vanessa bought_____ packets of pencils.

42. A dress cost $105 and a shirt cost $89.

(a) How much money did the dress and the shirt cost altogether?

The dress and the shirt cost $_____ altogether.

(b) How much more money did the dress cost than the shirt?

The dress cost $_____ more than the shirt.

43. Betty had some stamps at first.
She gave 432 stamps to Jaya and Celina.
In the end, Betty had 275 stamps left.

(a) How many stamps did Betty have at first?

Betty had_____stamps at first.

(b) Jaya received 189 stamps from Betty.
How many stamps did Celina receive from Betty?

Celina received _____ stamps from Betty.

44. Peter had a rope.
He cut it into 3 equal pieces: Rope A, Rope B and Rope C.
The length of Rope B is 6 m.

(a) What is the total length of Rope A, Rope B and Rope C?

The total length of Rope A, Rope B and Rope C is

_____m.

(b) Peter then further cut Rope B into 2 equal pieces, Rope X and Rope Y.
What is the length of Rope X?

Rope X is _____m.

45. Tank A contained 8 *l* of water.

Tank B contained 20 *l* of water.

(a) How many litres of water must be poured out of Tank B into Tank A so that both tanks contain the same amount of water?

_____ *l* of water must be poured out from Tank B into Tank A.

When 17 *l* of water was poured from Tank C into Tank D, both tanks had the same volume of water.

(b) How much more water was there in Tank C than in Tank D at first?

There was _____ *l* of water in Tank C Than in Tank D at first.

☺ End of Paper ☺
Please Check Carefully

ANSWER KEY

YEAR   :   2018
LEVEL   :   PRIMARY 2
SCHOOL   :   NANYANG PRIMARY
SUBJECT   :   MATHEMATICS

SECOND SEMESTRAL (PRACTICE PAPER 1)

Section A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	2	2	3	3	4	2	1	3	2
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
3	3	2	3	1	2	2	2	3	3

Section B

21) (a)   1000

     (b)   609

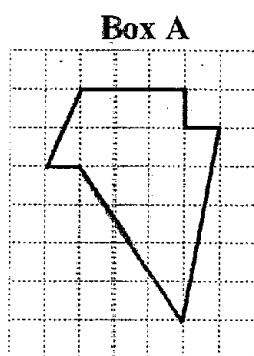22) 292 , 299 , 922 , 929

23) 15 m

24) $\dfrac{1}{8}$

25) $\dfrac{1}{2} , \dfrac{1}{5} , \dfrac{1}{9} , \dfrac{1}{11}$

26) 8.15 a.m

27) Box A   Box B
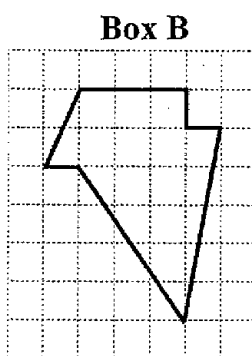
28) $8.20

29) 431 beads

30) 9 shirts

31) D

32) $\dfrac{4}{7}$

33) There are 4 cylinders and 2 cubes.

34) 54

35) 3

36) 297 more pages

37) ◯

38) 6 ways

39) 50 min

40) 2 pails

Section C

41) (a)   150   126 = 24
       24 pencils were left in the shop.

    (b)   21 ÷ 3 = 7
       Vanessa bought 7 packets of pencils.

42) (a)   105 + 89 = 194
       The dress and the shirt cost $194 altogether.

    (b)   105 – 89 = 16
       The dress cost $16 more than the shirt.

43) (a) 275 + 432 = 707
       Betty had <u>707</u> stamps at first.

    (b) 432 − 189 = 243
        Celina received <u>243</u> stamps from Betty.

44) (a) 6 x 3 = 18
        The total length of Rope A, Rope B and Rope C is <u>18</u> m.

    (b) 6 ÷ 3 = 2
        Rope X is <u>2</u> m.

45) (a) 20 − 8 = 12
        12 ÷ 2 = 6
        <u>6</u> ℓ of water must be poured out from Tank B into Tank A.

    (b) 17 + 17 = 34
        There was <u>34</u> ℓ of water in Tank C than in tank D at first.

<div align="center">End</div>