NAN HUA PRIMARY SCHOOL
END OF YEAR ASSESSMENT – 2020
PRIMARY THREE
MATHEMATICS

INSTRUCTIONS TO CANDIDATES

1. Write your name, register number and class 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 to 16.

Marks Obtained

Section	Maximum Marks	Actual Marks
A	32	
B	32	
C	16	
Total	80	

Name : _____ ( )

Class : Pr 3 _____

Date : 29 October 2020

Duration: 1 h 45 min

Parent's Signature : _____

Section A

Questions 1 to 16 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 in the Optical Answer Sheet. (32 marks)

1. What is the value of the digit 5 in 4592?

    (1) 5
    (2) 50
    (3) 500
    (4) 5000   (   )

2. Find the product of 536 and 8.

    (1) 67
    (2) 4282
    (3) 4288
    (4) 4296   (   )

3. What is the quotient when 826 is divided by 4?

    (1) 206
    (2) 2
    (3) 3
    (4) 260   (   )

4. Arrange the following from the shortest to the longest.

4 km 1 m	4010 m	4 m 1cm

    (shortest)   (longest)
    (1) 4 km 1 m,   4010 m,   4 m 1 cm
    (2) 4010 m,   4 km 1 m, 4 m 1 cm
    (3) 4 m 1 cm,   4010 m,   4 km 1 m
    (4) 4 m 1 cm,   4 km 1 m, 4010 m   (   )

2

5. What is the missing number in the box?

$$\frac{5}{10} = \frac{1}{\boxed{?}}$$

(1) 5
(2) 2
(3) 6
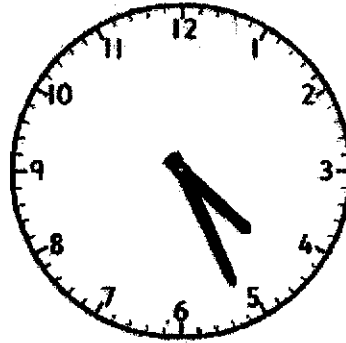(4) 10 ( )

6. _____ groups of 3 = 4 x 6

(1) 8
(2) 10
(3) 24
(4) 72 ( )

7. Jamie spent $9.65 more on a dress than on a jacket.
She spent $63 on the dress.
How much did she spend on the jacket?

(1) $53.35
(2) $53.45
(3) $66.65
(4) $72.65 ( )

8. Write the time shown in the clock below.

(1) 34 minutes before 4

(2) 34 minutes to 4

(3) 26 minutes after 4

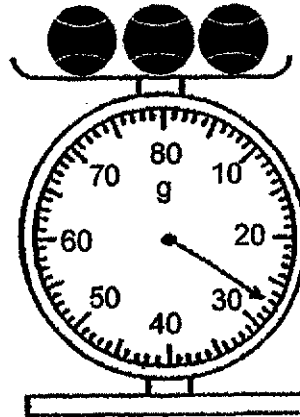(4) 22 minutes past 5   (   )

9.

What fraction of the figure above is shaded?

(1) $\dfrac{4}{16}$

(2) $\dfrac{6}{16}$

(3) $\dfrac{3}{7}$

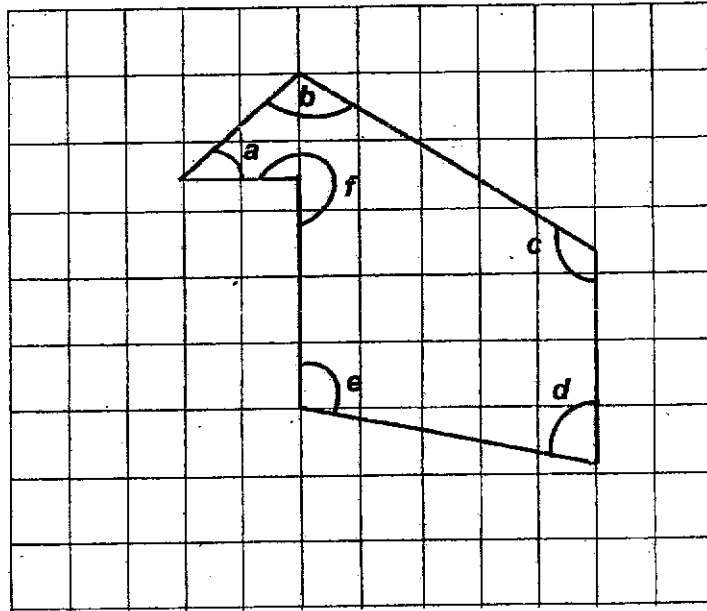(4) $\dfrac{4}{8}$ (   )

10. Three similar tennis balls have been placed on a weighing scale as shown. What is the mass of one tennis ball?

- (1) 8 g
- (2) 9 g
- (3) 27 g
- (4) 81 g　　　　　　　　　　(　)

11. The sum of two numbers is 3519. The greater number is 2457. What is the other number?

- (1) 962
- (2) 1142
- (3) 1062
- (4) 5976　　　　　　　　　　(　)

12. In the figure, how many of the marked six angles are smaller than a right angle?

(1) 1

(2) 2

(3) 3

(4) 4   (   )
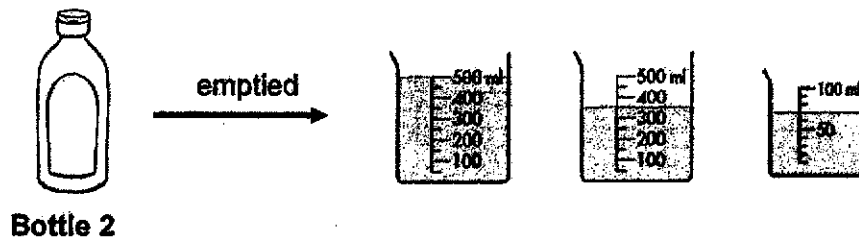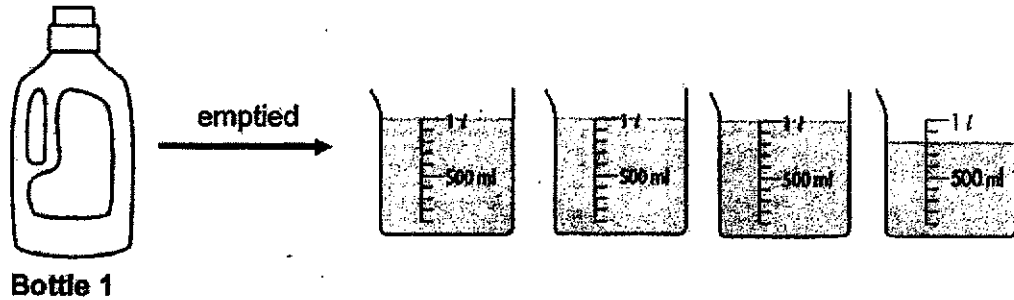
13. Find the sum of $\frac{2}{5}$ and $\frac{3}{10}$.

(1) $\frac{1}{10}$

(2) $\frac{5}{10}$

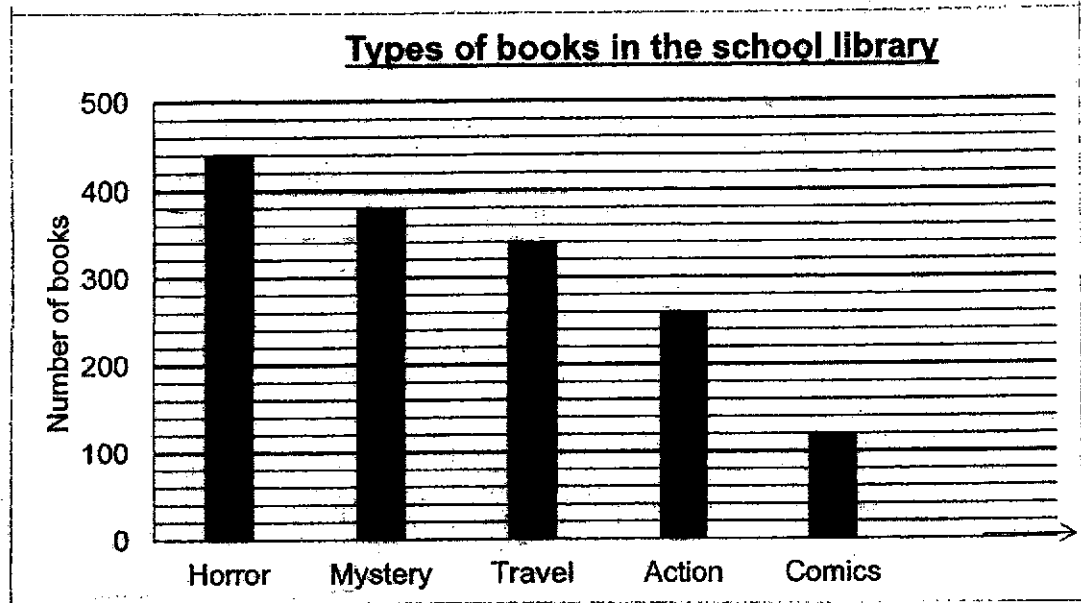(3) $\frac{5}{15}$

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

14. Each bottle was full at first. What is the total capacity of the two bottles?

Bottle 1

Bottle 2

(1) 2 ℓ 880 ml

(2) 3 ℓ 800 ml

(3) 4 ℓ 720 ml

(4) 5 ℓ 220 ml   (   )

7

15. The bar graph below shows the types of books in the school library.
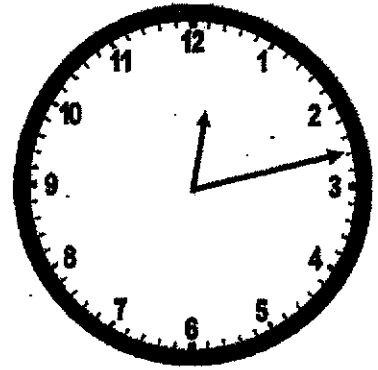
Types of books in the school library

Which of the following statement is true about the graph?

(1) The least number of books is the horror books.

(2) The total number of horror and comics books is 560.

(3) The number of mystery books is less than the total number of action and comics books.

(4) The difference between the number of mystery books and the ( ) number of travel books is 60.

16. Johnny finished his homework at the time shown below.
    He had spent 2 h 15 min doing his homework.
    What time did he start doing his homework?

?

2 h 15 min later →

| Start Time | | End Time |

(1) 9.58 a.m.
(2) 10.02 a.m.
(3) 10.58 a.m.
(4) 11.47 a.m.

( )

Section B

Questions **17** to **32** carry 2 marks each. Write your answers in the space provided. For questions which require units, give your answers in the units stated.   (32 marks)

17.   Write nine thousand, six hundred and eighteen in numerals.

Ans:

18.   Arrange the following fractions from the smallest to the greatest.

$$\frac{2}{3} \; , \; \frac{5}{6} \; , \; \frac{7}{12}$$

Smallest		

19.   Find the value of 748 x 8.

Ans:

20. Arrange these numbers in order. Begin with the greatest.

| 6450 | 6501 | 5460 |

[ ] , [ ] , [ ]

greatest

21. Stephen and Weiqiang bought some stickers. Stephen bought 72 stickers.
He bought twice as many stickers as Weiqiang.
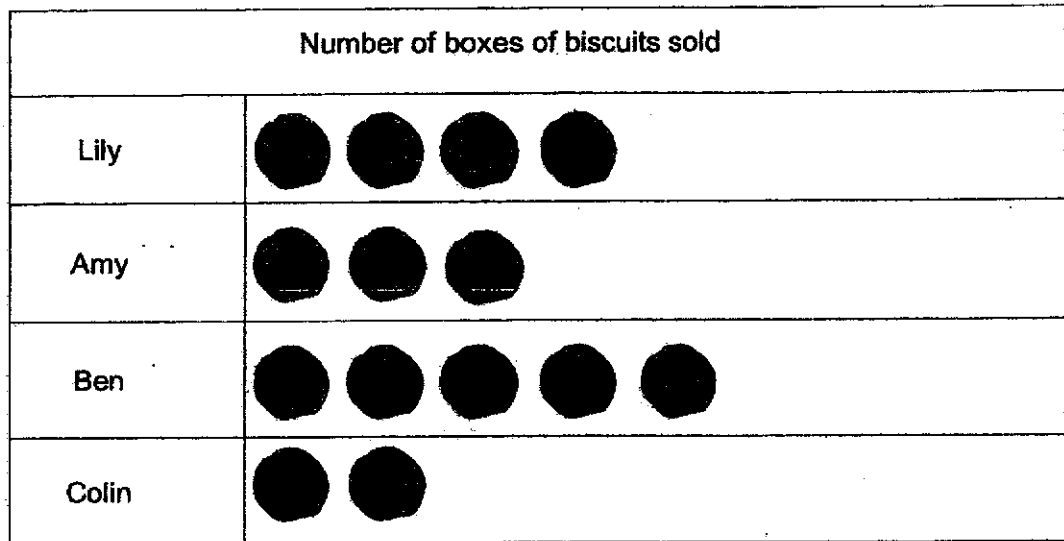How many stickers did they buy altogether?

Ans:

22. Study the number pattern below. Fill in the missing number in the blank.

8790, 8890 , 8990 , _____ , 9190, 9290

Ans:

23. A group of children sold biscuits at a fundraising event last month.
The picture graph below shows the number of boxes of biscuits sold by them.

Number of boxes of biscuits sold	
Lily	● ● ● ●
Amy	● ● ●
Ben	● ● ● ● ●
Colin	● ●

Each ● = 5 boxes of biscuits

Lily and Amy sold _____ more boxes of biscuits than Colin.

Ans:

24. Larry used a 636-cm ribbon to tie a small present.
He used another ribbon that was 3 times as long to tie a bigger present.
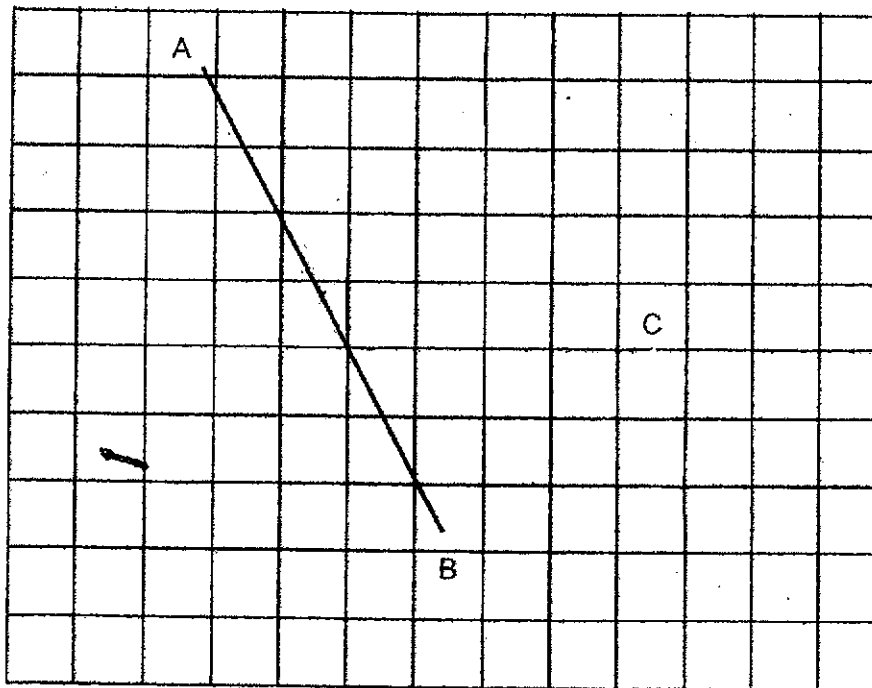What was the total length of ribbon used?

Ans: | cm

25. Lee Bakery baked some muffins. 48 muffins were sold in the morning.
They baked another 216 muffins in the afternoon.
In the end, they had 380 muffins left.
How many muffins did the bakery bake at first?

Ans:

26. The figure below shows a line AB and a point C.
Draw a line parallel to line AB through point C.

27. Ron left Town A for Town B at 7.20 a.m. He reached Town B at 11.45 a.m.
     How long did Ron take to travel from Town A to Town B?

Ans: | h | min |

28. Mrs Chua sold 568 cups of bubble tea in the morning.
     She sold 149 fewer cups of bubble tea in the afternoon.
     How many cups of bubble tea did she sell in the afternoon?

Ans:

29. Tom had 843 marbles. He packed all the marbles into packets of 5.
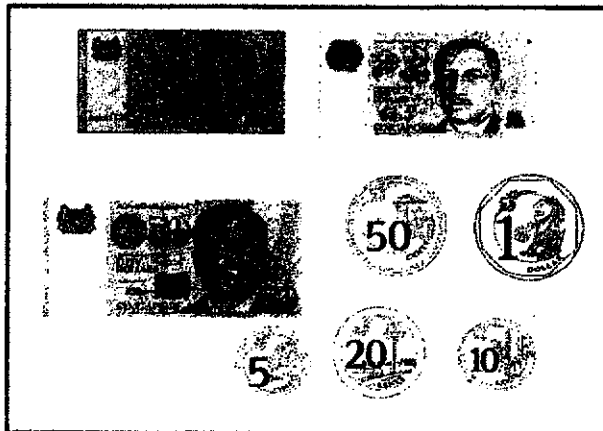   How many marbles were left unpacked?

Ans:

30.

| 4, | 9, | 0, | 5 |

Use the numbers above to form two different 4-digit odd numbers.
Do not start the number with 0.
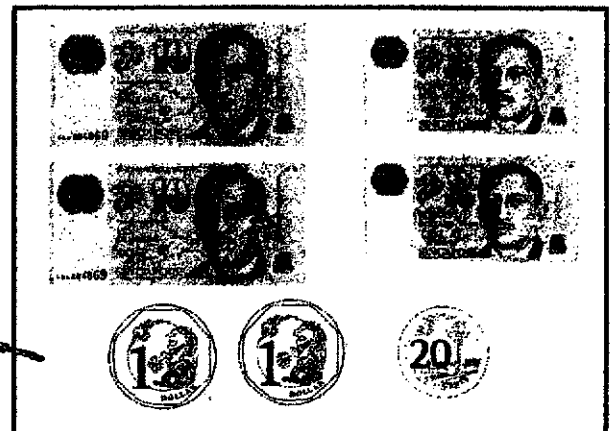
Ans: _____ and _____

31. Below are two sets of money.
Find the difference in the amount between Set A and Set B.

Set A

Set B

Ans: $ _____

15

32. Ann has 130 balloons. Ben has 60 more balloons than Ann.
Charles has 20 fewer balloons than Ben.
How many more balloons does Ann need to buy in order to have the same total number of balloons as Ben and Charles?

Ans:

Section C

Questions **33** to **37** carry 3 or 4 marks each. For each of the following questions, show your workings and statements clearly in the space below each question.　　(16 marks)

33.　3417 people visited the museum.
　　2191 of them were adults and the rest were children.
　　How many fewer children than adults were there?　　[3 marks]

Ans:

34.　Susan has $4450. Her uncle gives her $867.
　　She now has $556 more than her brother, Paul.

　　(a) How much does Susan have in the end?　　[2 marks]
　　(b) How much does Paul have?　　[2 marks]

Ans: (a)

Ans: (b)

17

35. Mr Tan had 218 eggs. For every packet of fried carrot cake he prepared, he would need to use 2 eggs. At the end of the day, he had 6 eggs left. How many packets of carrot cake did he prepare? [3 marks]

Ans:

36. Richard cycled 1339 m.
He cycled 34 m less than Jolene.
Peter cycled 209 m more than Jolene.
What was the distance Peter cycled? Leave your answer in metres. [3 marks]

Ans:

37. Jason pours 4 cups of orange juice and a bottle of orange juice into a container. Each cup contains 280 ml of orange juice and the bottle contains 1350 ml of orange juice.

What is the total volume of orange juice in the container? [3 marks]

Ans:

End of Paper

Nan Hua Primary School
P3 Mathematics EYE – 2020
Answer Key

Section A (Qn 1 – 16, 2 marks each)

Qn	Answer	Qn	Answer	Qn	Answer
1.	3	7.	1	13.	4
2.	3	8.	3	14.	3
3.	1	9.	4	15.	2
4.	4	10.	2	16.	1
5.	2	11.	3		
6.	1	12.	2		

Section B – 32 marks (16 x 2 marks = 32 marks): SAQ

Qn	Answer
17	9618
18	$\dfrac{7}{12}$, $\dfrac{2}{3}$, $\dfrac{5}{6}$
19	748 x 8 = **5984**
20	**6501, 6450, 5460**
21	72 ÷ 2 = 36 36 + 72 = **108**
22	8990 + 100 = **9090**
23	5 x 5 = **25**
24	636 x 4 = **2544 cm**
25	216 – 48 = 168 380 – 168 = 212
26	**Refer to Annex**

27	**4 h 25 min**
28	568 − 149 = **419**
29	843 ÷ 5 = 168 R3 **3 Marbles left unpacked**
30	9405 4905 4095 4059 4509 5409 9045 5049
31	Set A: $58.85 Set B: $26.20 $58.85 − $26.20 = **$32.65**
32	 60 − 20 = 40 60 + 130 + 40 = **230**

Section C – 16 marks (4 X 3 marks, 1 X 4 marks); LAQ

33.	(a) 3417 − 2191 = 1226 children 2191 − 1226 = **965** There are 965 fewer children than adults

34.	(a) 4450 + 867 = **5317** Susan has $5317. (b) 5317 − 556 = **4761** Paul has $4761.
35.	218 − 6 = 212 212 ÷ 2 = **106** He sold **106** packets of carrot cake.
36.	1339 + 34 = 1373 (Jolene) 1373 + 209 = **1582 m** (Peter) Peter cycled 1582 m.
37.	280 × 4 = 1120 mℓ 1120 + 1350 = **2470 mℓ** The total volume is 2470 mℓ.

Annex A

Q 26