NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL ASSESSMENT 2019

PRIMARY 3

MATHEMATICS
(BOOKLET A)

Total Duration for Booklets A and B: 1 hour 45 minutes

Additional materials: Optical Answer Sheet (OAS)

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. Shade your answers in the Optical Answer Sheet (OAS) provided.

Name: _____ ( )

Class: Primary 3 ( )

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 shade your answer on the Optical Answer Sheet. (40 marks)

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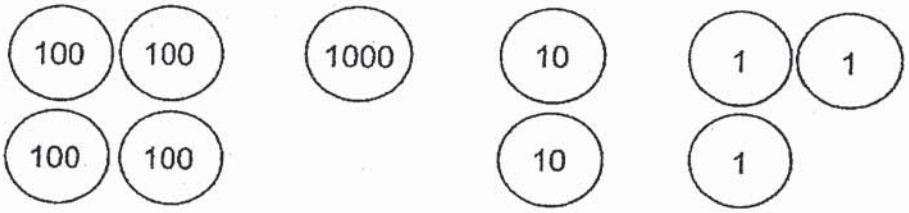
1. What is the number shown by all the number discs?



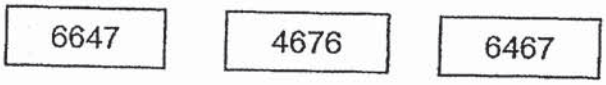
(1) 4213

(2) 4123

(3) 1432

(4) 1423

2. Arrange the following numbers from the smallest to the largest.



	Smallest		Largest
(1)	4676,	6647,	6467
(2)	4676,	6467,	6647
(3)	6467,	6647,	4676
(4)	6647,	6467,	4676

3. What is the sum of 4745 and 2243?

(1) 2502

(2) 2988

(3) 6502

(4) 6988

4. Find the value of 6243 – 2986.

(1) 3257

(2) 4367

(3) 4743

(4) 9229

5. Find the value of 72 ÷ 9.

(1) 6

(2) 7

(3) 8

(4) 9

6. Mr Ong sells 468 bowls of noodles in a day.
How many bowls of noodles can he sell in 7 such days?

(1) 2826

(2) 2876

(3) 3216

(4) 3276

7. What is the remainder when 274 is divided by 6?

(1) 450

(2) 45

(3) 3

(4) 4

8. Which of the following fractions is **not** an equivalent fraction of $\frac{2}{4}$?

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

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

(3) $\frac{5}{8}$

(4) $\frac{6}{12}$

9. Arrange the following fractions from the smallest to the largest.

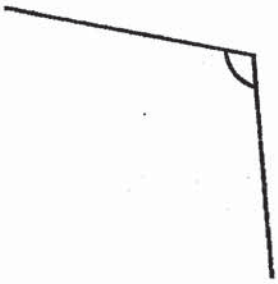
$$\frac{4}{5}, \frac{1}{2}, \frac{3}{4}$$

	Smallest				Largest
(1)	$\frac{4}{5}$	,	$\frac{3}{4}$	,	$\frac{1}{2}$
(2)	$\frac{3}{4}$	,	$\frac{4}{5}$	,	$\frac{1}{2}$
(3)	$\frac{1}{2}$	,	$\frac{4}{5}$	,	$\frac{3}{4}$
(4)	$\frac{1}{2}$	,	$\frac{3}{4}$	,	$\frac{4}{5}$

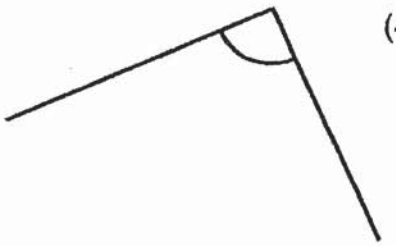
10. Which of the following figures shows an angle that is smaller than a right angle?

(1)

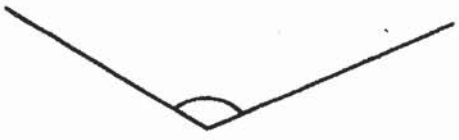
(2)



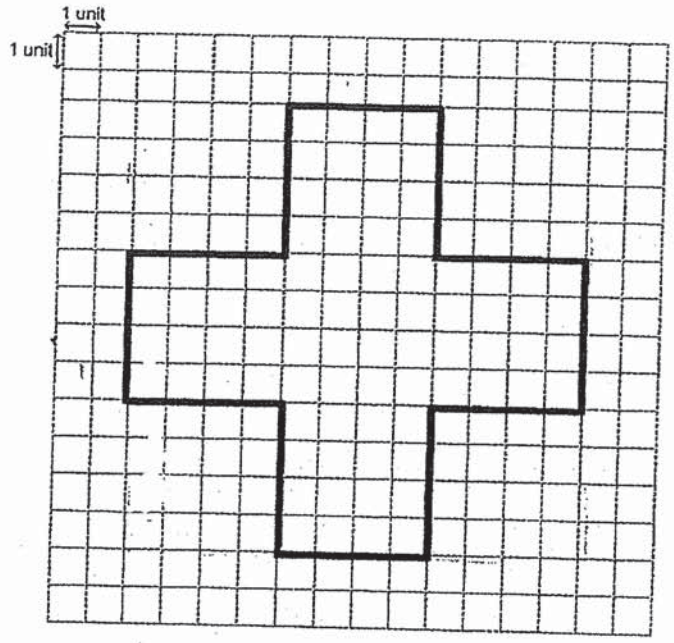
(3)



(4)



11. The figure below is drawn on a 1-unit square grid.
Find the perimeter of the figure below.



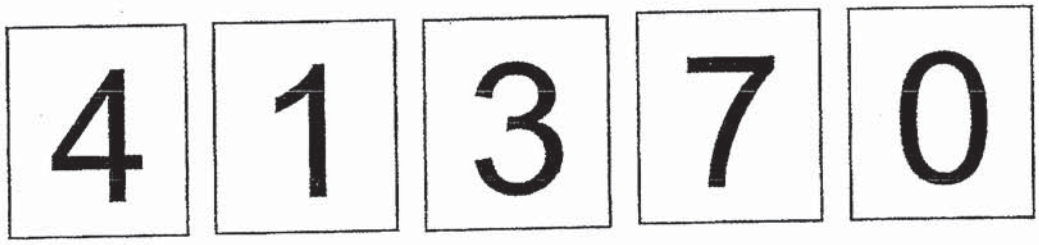
(1) 48 units

(2) 64 units

(3) 80 units

(4) 84 units

12. Jay has the following number cards.



Using each digit only once, what is the smallest 4-digit odd number he can form?

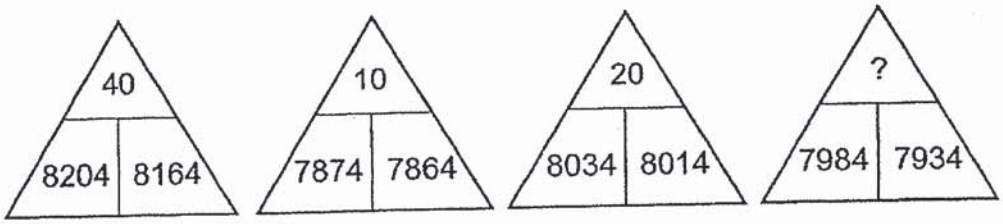
(1) 1034

(2) 1037

(3) 1043

(4) 1047

13. The triangles below are filled with numbers in a certain pattern.



What is the missing number?

(1) 30

(2) 50

(3) 70

(4) 80

14. There were 312 adults at a concert.
There were 3 times as many children as adults at the concert.
How many people were there at the concert?

(1) 1248

(2) 936

(3) 104

(4) 78

15. The painters have 848 houses to paint.
They paint 8 houses each day.
How many days will the painters take to finish painting all the houses?

(1) 11

(2) 16

(3) 106

(4) 160

16. Every morning, Muthu drives 2111 m from his home to his office.
After work, he drives the same way home.
What is the total distance he drives every day?

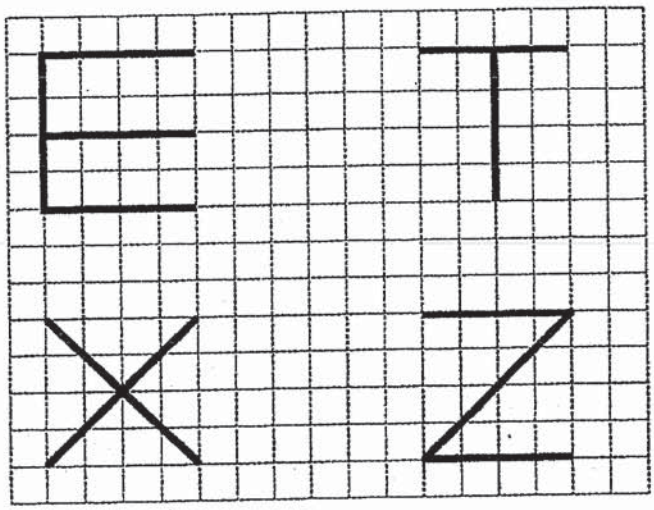
(1) 2 km 111 m

(2) 4 km 222 m

(3) 21 km 11 m

(4) 42 km 22 m

17. In the diagram below, the letters E, T, X and Z are drawn on a square grid.
Which one of the letters has both parallel lines and perpendicular lines?



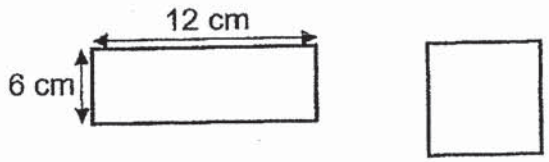
(1) E

(2) T

(3) X

(4) Z

18. The figures below show a rectangle and a square.
The rectangle and the square have the same perimeter.
Find the length of one side of the square.



(1) 8 cm

(2) 9 cm

(3) 18 cm

(4) 36 cm

19. Sana bought 358 mangoes on Monday.
She bought another 248 mangoes on Tuesday.
She packed all the mangoes into boxes.
Each box could hold up to 7 mangoes.
What was the smallest number of boxes she would need to pack all the mangoes?

(1) 15

(2) 16

(3) 86

(4) 87

20. Linda was thinking of a 4-digit number.
The sum was 13 when she added all the digits together.
The sum of the first and second digit was 7.
The difference between the third and fourth digit was 0.
What was the third digit?

(1) 9

(2) 6

(3) 3

(4) 0

NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL ASSESSMENT 2019

PRIMARY 3

MATHEMATICS
(BOOKLET B)

Total Duration for Booklets A and B: 1 hour 45 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 3 ( )

Parent's Signature: _____

Booklet A	**/ 40**
Booklet B	**/ 60**
Total	**/ 100**

Any query on marks awarded should be raised by **1 November 2019**. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delays in the generation of results.

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)

21. There were 4980 pupils in a stadium.
2420 of the pupils were boys.
The rest were girls.
How many girls were there at the stadium?

Ans: _____

22. What is the missing numerator?

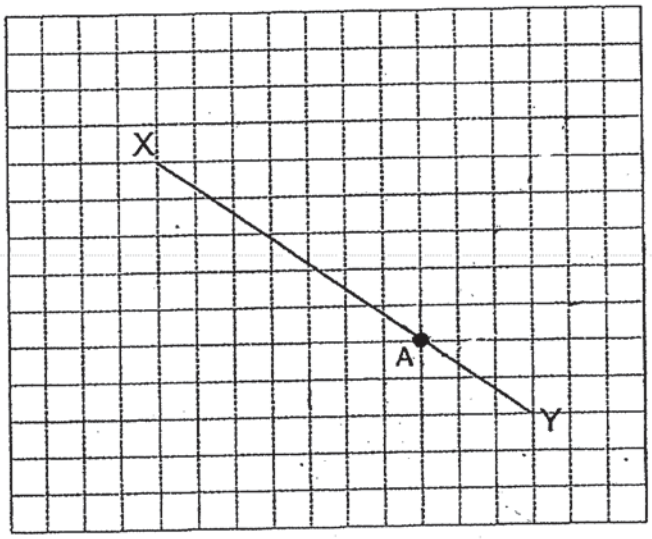
$$\frac{\boxed{?}}{6} = \frac{16}{24}$$

Ans: _____

23. How many hours and minutes are there in 176 minutes?

Ans: _____ h _____ min

24. The figure below shows a line XY and point A on a square grid.
Draw a line perpendicular to XY passing through point A.



25. Devi made some bracelets for Friendship Day.
Each bracelet was made up of 4 square beads and 5 round beads.
She used a total of 28 square beads.
How many round beads did Devi use to make all the bracelets?

Ans: _____

26. At a match, Team B scored 264 points.
Team A scored 3 times as many points as Team B.
Team C scored 35 more points than Team A.
How many points did Team C score?

Ans: _____

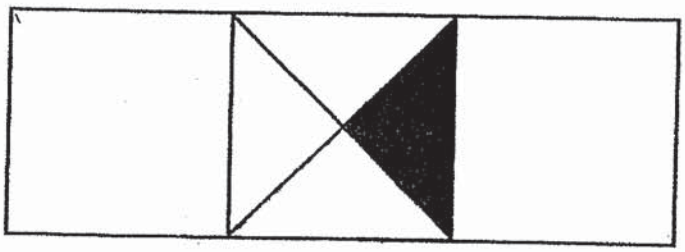
27. Ishak had 579 cookies.
He packed all the cookies into bags of 4 with some left over.
How many cookies were left over?

Ans: _____

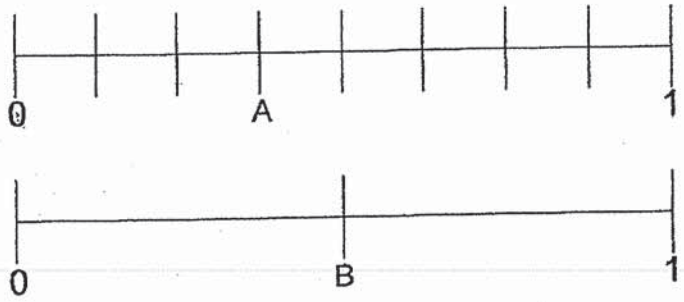
28. Miss Chou gave some stickers to 9 children.
She gave each child 78 stickers and had 12 stickers left.
How many stickers did she have at first?

Ans: _____

29. The figure below is made up of 3 identical squares.
$\frac{1}{12}$ of the figure below is shaded.
Shade more part(s) so that $\frac{1}{6}$ of the figure is shaded.



30. Look at the number lines below.



Find the sum of A and B.

Ans: _____

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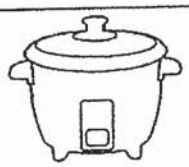
31. Mary had $100.
She bought the following items as shown below.
How much money did she have left?

 Rice Cooker $22.80	 Iron $33.40

Ans: $ _____

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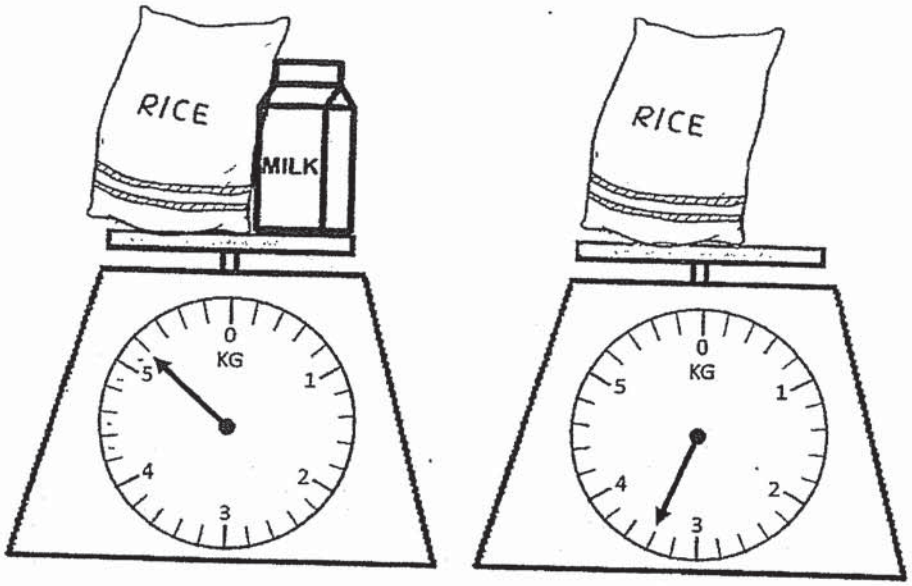
32. The weighing scales show the mass of the following objects.



What is the mass of the milk carton?

Ans: _____ g

33. Shimin had 868 g of flour.
She used 40 g of flour and packed the remaining flour equally into 6 bags.
How much flour did she pack in each bag?

Ans: _____ g

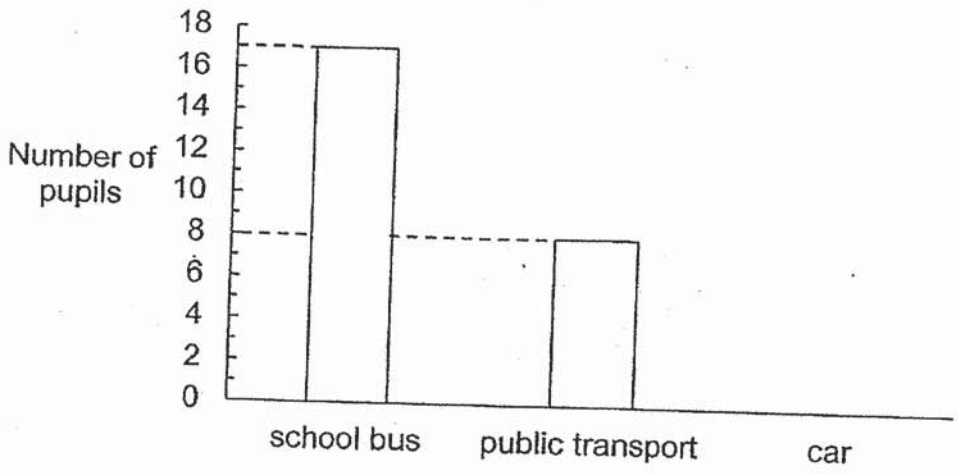
34. Siqi spent 2 h 15 min tidying her room.
When she finished tidying the room, it was 7.50 p.m.
What time did she start tidying her room?

Ans: _____ p.m.

35. The length of a rectangle is 5 times its breadth.
The breadth of the rectangle is 9 cm.
What is the area of the rectangle?

Ans: _____ cm^2

36. The graph below shows the different ways a group of pupils from Class 3K go to school.
The bar that shows the number of pupils who goes to school by car is **not** drawn.
There are 40 pupils in Class 3K.
Find the number of pupils in Class 3K who go to school by car.



Ans: _____

37. Alex had 100 more pens than Brenda at first.
Brenda then gave 20 pens to Alex.
How many more pens did Alex have than Brenda in the end?

Ans: _____

38. A table and 3 identical chairs cost $85.60.
The table and 1 such chair cost $62.40.
How much do 2 such chairs cost?

Ans: $ _____

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39. Johan had some marbles at first.
He gave 359 of his marbles away and bought 245 marbles.
In the end, Johan had 425 marbles.
How many marbles did he have at first?

Ans: _____

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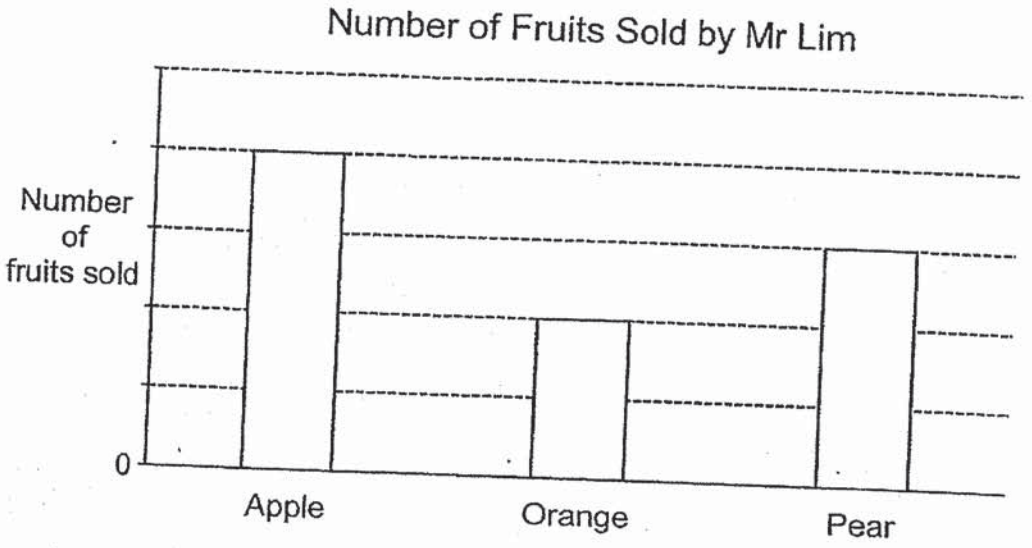
40. The graph below shows the number of fruits sold by Mr Lim in a week.



Mr Lim sold 14 more apples than oranges.
How many pears did Mr Lim sell?

Ans: _____

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. Meiling has 985 balls.
She has 295 more balls than Jun Wei.

(a) How many balls does Jun Wei have?

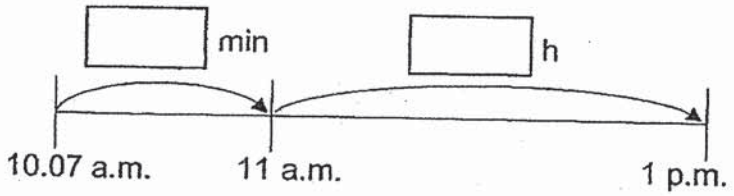
(b) Meiling gives all her balls equally to 5 people.
How many balls does each person get?

Ans: (a) _____ [2]

(b) _____ [2]

42. Tammy started her piano lesson at 10.07 a.m.
The lesson ended at 1 p.m.

(a) The timeline below shows the duration from 10.07 a.m. to 1 p.m.
Fill in the boxes on the timeline.

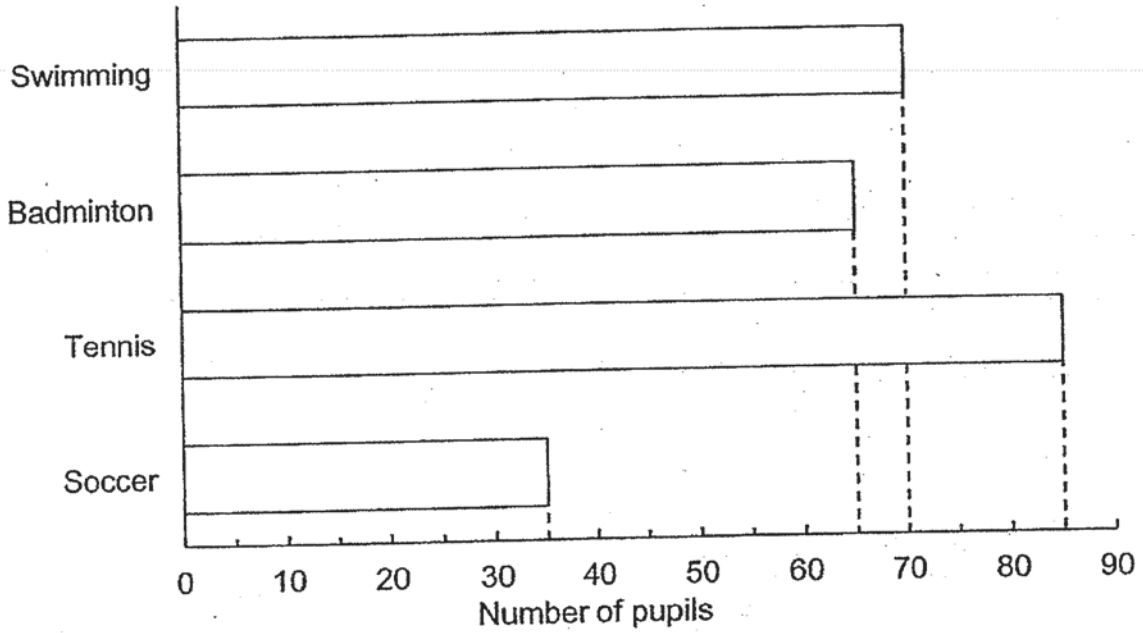


[2]

(b) After her piano lesson, she had her lunch for 45 minutes.
What time did she finish her lunch?

Ans: (b) _____ [2]

43. The bar graph below shows the favourite sport of all the Primary 3 pupils in a school.



Read the following statements.
Put a tick (√) in the box if the statement is correct.
Put a cross (x) in the box if the statement is wrong.

(a) The total number of Primary 3 pupils is 245. ☐

(b) The least favourite sport is soccer. ☐

(c) There are 5 more pupils who like swimming than badminton. ☐

(d) There are twice as many pupils who like badminton as soccer. ☐

[4]

44. Some trees are planted at an equal distance apart along a straight road. The distance between the 1st tree and the 10th tree is 720 m.

(a) What is the distance between the 1st and the 2nd tree in metres?

(b) What is the distance between the 8th and the 15th tree in metres?

Ans: (a) _____ [2]

(b) _____ [2]

45. There are 30 pupils in a class.
Each girl is given 7 sweets.
Each boy is given 10 sweets.
A total of 249 sweets is given to them.

(a) How many girls are there in the class?

(b) How many boys are there in the class?

Ans: (a) _____ [2]

(b) _____ [2]

End of Paper

ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 3
SCHOOL : NANYANG PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SECOND SEMESTRAL ASSESSMENT

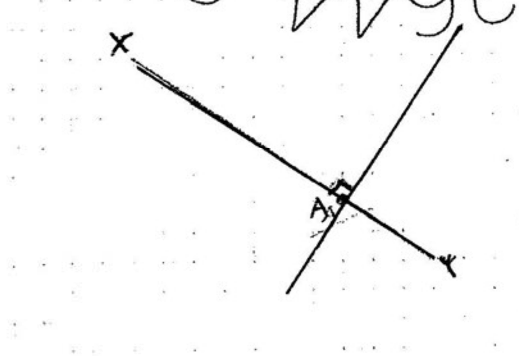
Q1	4	Q2	2	Q3	4	Q4	1	Q5	3
Q6	4	Q7	4	Q8	3	Q9	4	Q10	1
Q11	1	Q12	2	Q13	2	Q14	1	Q15	3
Q16	2	Q17	1	Q18	2	Q19	4	Q20	3

Q21 2560

Q22 4

Q23 2h 56min

Q24



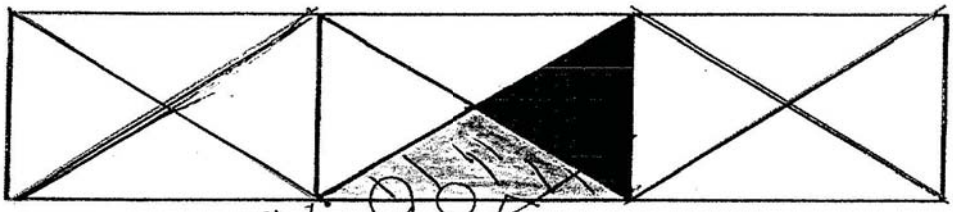
Q25 35

Q26 827

Q27 3

Q28 714

Q29



Q30 0.7

Q31 $43.80

Q32 1800g

Q33 138g

Q34 5.35 p.m.

Q35 405 cm^2

Q36 15

Q37 140

Q38 $23.20

Q39 539

Q40 21

Q41 (a)690

(b)197

Q42 (a) 53 min 2h

(b)1.45 p.m.

Q43 (a)X

(b) ✓

(c) ✓

(d) X

Q44 (a)80m

(b)560m

Q45 (a)17

(b)13

3
END