Semestral Assessment 1

Primary Three

2016

MATHEMATICS

BOOKLET A

Name : _____ ( )

Class : Primary 3 _____

Date : 12 May 2016

Parent's Signature: _____

Total Time for Booklets A & B: 1 h 45 min

Instructions to Candidates:

1. Write your name, class and register number in the spaces provided clearly.
2. Do not turn over this 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.
6. You are **NOT** allowed to use a calculator.

Questions 1 to 20 carry 2 marks each. For each question, 4 options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. You are **not** allowed to use a calculator.

(40 marks)

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1. 9035 is the same as _____.

   (1) 90 + 3 + 5
   (2) 900 + 300 + 5
   (3) 9000 + 300 + 5
   (4) 9000 + 30 + 5

2. In 6401, the value of the digit 4 is _____.

   (1) 4000
   (2) 400
   (3) 40
   (4) 4

3. 8512 + 249 = _____

   (1) 8263
   (2) 8751
   (3) 8761
   (4) 11 002

4. Subtract 30 tens from 692.

(1) 392

(2) 632

(3) 722

(4) 992

5. $6 \times 5 =$ _____

(1) $5 \times 5 \times 5 \times 5 \times 5 \times 5$

(2) $6 \times 6 \times 6 \times 6 \times 6$

(3) $5 + 5 + 5 + 5 + 5 + 5$

(4) $6 + 6 + 6 + 6 + 6 + 6$

6. $48 \times 7 =$ ☐

(1) 322

(2) 336

(3) 344

(4) 352

7. $642 \div 6 =$ ☐

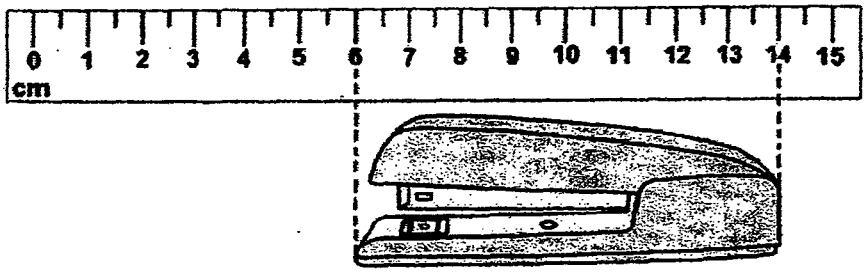
(1) 17

(2) 70

(3) 107

(4) 108

8. Look at the diagram below carefully.



What is the length of the stapler?

(1) 6 cm
(2) 8 cm
(3) 14 cm
(4) 20 cm

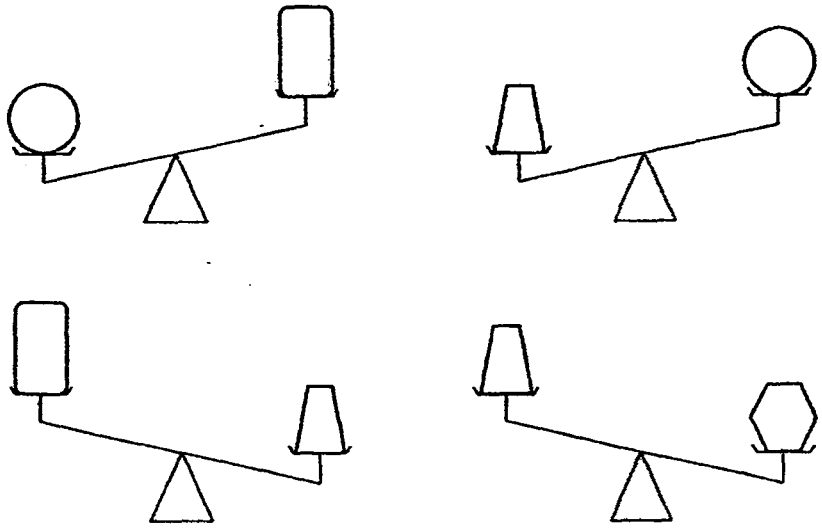
9. 723 is _____ more than 28.

(1) 695
(2) 705
(3) 751
(4) 795

10. Mrs Ong made 896 doughnuts a day. How many doughnuts did she make in one week?

(1) 128
(2) 896
(3) 5632
(4) 6272

11. Look at the diagrams below carefully.



Which object is the lightest?

(1)

(2)

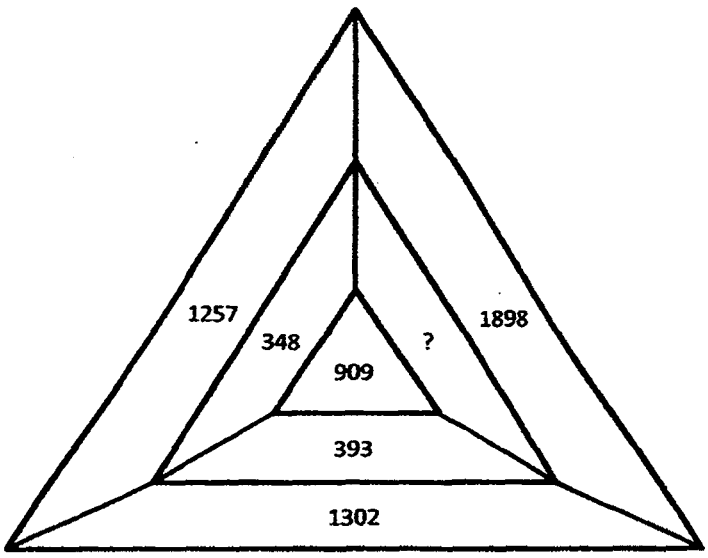
(3)

(4)

12. Ivy has 6 similar boxes of strawberries. There are 78 strawberries in each box.
She repacked all the strawberries equally into 4 packets.
How many strawberries are there in each packet?

(1) 21
(2) 52
(3) 102
(4) 117

13. Look at the following diagram. What is the value of the missing number?

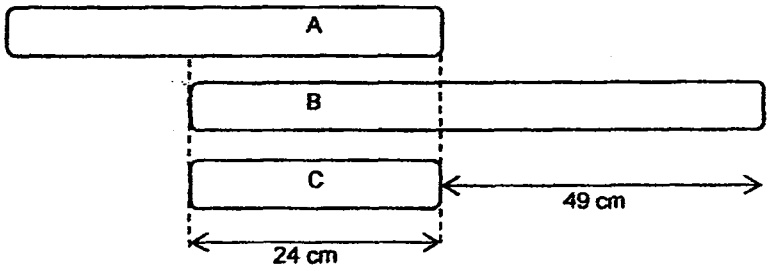


(1) 516
(2) 561
(3) 741
(4) 989

14. Muthu made 46 pancakes more than Eric. Mary made 32 pancakes less than Muthu. If Eric made 25 pancakes, how many pancakes did Mary make?

(1) 21
(2) 39
(3) 71
(4) 103

15. Rod C is 24 cm long. If Rod A is 12 cm shorter than Rod B, what is length of Rod A?



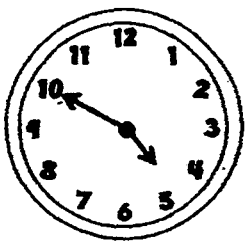
(1) 12 cm

(2) 37 cm

(3) 61 cm

(4) 73 cm

16. Look at the clock below carefully.



The time shown in the clock above is ten minutes faster than the actual time.
What is the actual time?

(1) 4.40 pm

(2) 5.00 pm

(3) 5.40 pm

(4) 6.00 pm

17. May has thrice as many stickers as Bobbie. If May has 276 stickers, how many stickers do the both of them have altogether?

(1) 92
(2) 138
(3) 368
(4) 414

18. Study the pattern below.

What is the 105th shape?

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

19. Aishah has to place all 127 marbles into jars. If each jar can only contain 9 marbles, what is the least number of jars she needs?

(1) 13
(2) 14
(3) 15
(4) 16

20. The mass of a crate with 8 glass bottles is 4450 g.
The mass of the same crate and 5 glass bottles is 3100 g.
Find the mass of the empty crate.

(1) 450 g
(2) 850 g
(3) 1350 g
(4) 2250 g

---- End of Booklet A ----

Semestral Assessment 1

Primary Three

2016

MATHEMATICS

BOOKLET B

Name : _____ ( )

Class : Primary 3 _____

Date : 12 May 2016

Parent's Signature: _____

Total Time for Booklets A & B: 1 h 45 min

Instructions to Candidates:

1. Write your name, class and register number in the spaces provided clearly.
2. Do not turn over this 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. You are **NOT** allowed to use a calculator.

Paper	Marks	Scores
Section A	**40**	
Section B	**40**	
Section C	**20**	
Total	**100**	

Questions 21 to 40 carry 2 marks each. Show your working clearly in the space provided for each question and write your answer in the spaces provided. For questions which require units, give your answers in the units stated. You are **not** allowed to use a calculator.

(40 marks)

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21. Write 6743 in words.

Ans: _____

_____

22. Complete the number pattern.

2401 , 2551 , 2701 , _____ , 3001

Ans: _____

23. What is the missing digit represented by A?

$$\begin{array}{r} 4\,1\,0\,3 \\ -\,1\,9\,\boxed{A}\,8 \\ \hline 2\,1\,3\,5 \end{array}$$

Ans: _____

24. If $17 + 7 + 12 =$ $\times$,

what is the value of ?

Ans: _____

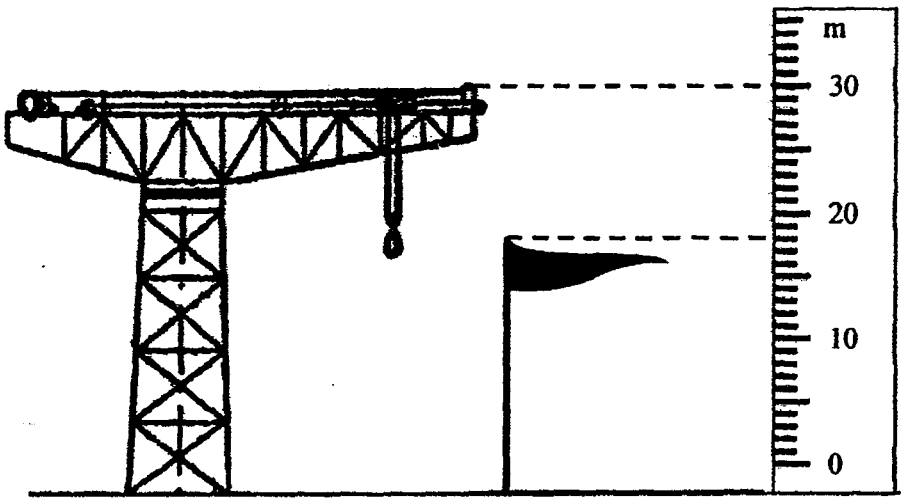
25. When a number is divided by 6, it gives a quotient of 48 and a remainder of 3. What is the number?

Ans: _____

26. Find the product of 348 and 8.

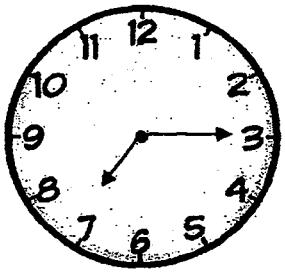
Ans: _____

27. How much taller is the crane than the flag pole?



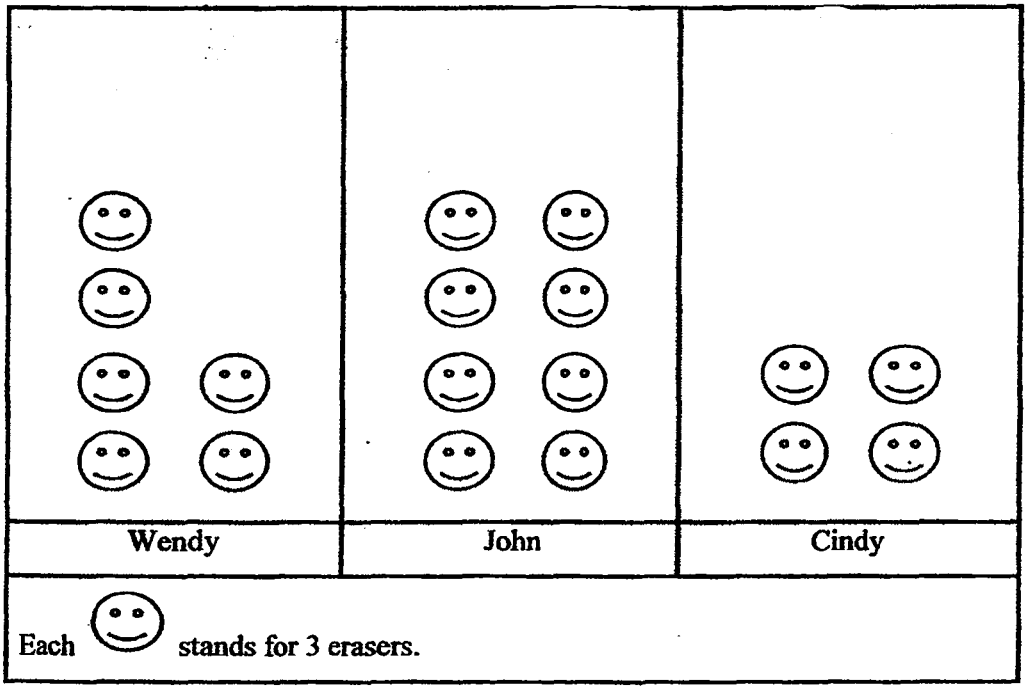
Ans: _____ m

28. Irene started doing her homework at the time shown on the clock below.
She spent half an hour to complete her homework.
What time did she complete her homework?



Ans: _____ pm

The picture graph below shows the number of erasers collected by 3 children.
Use it to answer Questions 29 and 30.



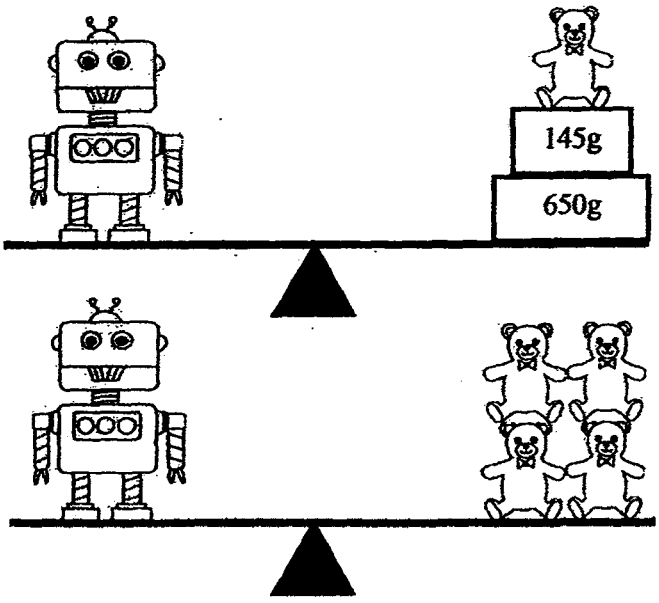
29. How many more erasers did John collect than Cindy?

Ans: _____

30. If Wendy sold all her erasers at $2 each. how much money did she receive?

Ans: $ _____

31. What is the mass of each ?



Ans: _____ g

32. 3 years ago, the total age of Don and Celeste was 50 years old.
Now, Don is 27 years old. How old is Celeste now?

Ans: _____ years old

33. There are 8 times as many goldfishes as guppies in a pond. If there are 126 fewer guppies than goldfishes, how many goldfishes are there?

Ans: _____

34. A dress costs thrice as much as a T-shirt. The dress costs $36.
How much do 5 such T-shirts cost?

Ans: $ _____

35. How many different ways can you form a 3-digit odd number using the digits given below? You can only use each digit once.

2	9	7

Ans: _____

36. There were 4830 people at a concert. 3245 were adults and the rest were children. How many more adults than children were there?

Ans: _____

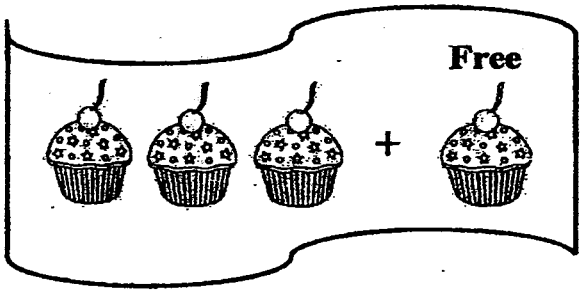
37. I am thinking of a number between 20 and 50.
When I divide it by 6, it has a remainder of 2.
The sum of the digits in the number is 11.
What is the number?

Ans: _____

38. Haikal has $950. Natalie has $810. How much money must Haikal give to Natalie so that both of them will have the same amount of money?

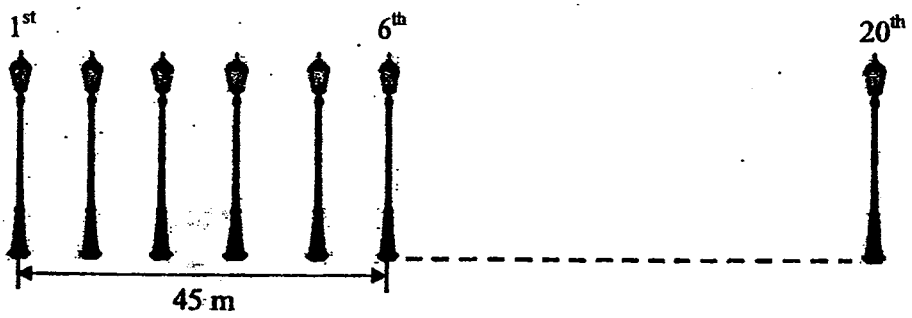
Ans: $_

39. Kelly went to a bakery to buy some cupcakes. A cupcake cost $3. For every 3 cupcakes bought, she got 1 cupcake free. How much did Kelly pay for 16 cupcakes?



Ans: $ _____

40. 20 lamp posts are placed at a regular interval from the beginning to the end of Temasek Road. The distance between the 1st and the 6th lamp post is 45m. What is the length of Temasek Road?



Ans: _____ m

For questions 41 to 46, show your working clearly in the space provided for each question 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. There are 891 girls at a carnival. The number of boys is 278 more than the number of girls. What is the total number of children at the carnival?

Ans: _____ [3 marks]

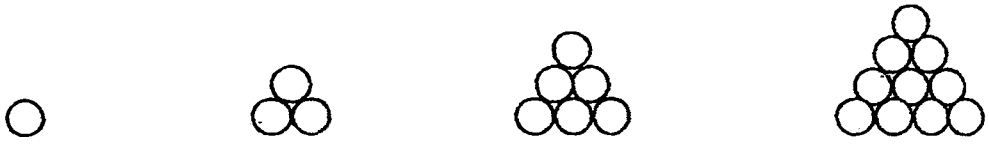
42. Jimmy bought a laptop and a printer. He gave the cashier $2500 and received $245 change. If the printer cost $190, what was the cost of the laptop?

Ans: _____ [3 marks]

43. Hussain saw a total of 23 sheep and ducks in a farm.
If there were a total of 82 legs, how many ducks did he see?

Ans: _____ [3 marks]

44. Study the pattern carefully.



Pattern 1 Pattern 2 Pattern 3 Pattern 4

Pattern Number	Number of circles
1	1
2	3
3	6
4	10

(a) Draw Pattern 5 in the space below. [1 mark]

(b) How many circles are there in Pattern 10?

Ans: (b) _____ [2 marks]

45. Daniel and Maria had the same amount of money.

After Daniel gave Maria $190, he was left with $6320.

(a) How much money did Daniel have at first?

(b) How much more money did Maria have than Daniel in the end?

Ans: (a) _____ [1 mark]

(b) _____ [3 marks]

46. Aiman, Brandon and Carlos sold a total of 1579 coupons at a family carnival. Carlos sold 65 more coupons than Brandon. Aiman sold twice as many coupons as Carlos. How many coupons did Carlos sell?
[Draw a model. One mark will be awarded for model drawn and labelled correctly.]

Ans: _____ [4 marks]

----- End of Booklet B -----

ANSWER KEY

YEAR : 2016
LEVEL : PRIMARY 3
SCHOOL : TEMASEK PRIMARY
SUBJECT : MATHEMATICS
TERM : SA1

Booklet A

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

Booklet B

Q21 Six thousand seven hundred and forty three.

Q22 2851

Q23 6

Q24 $17 + 7 + 12 = 6 \times 6$
Ans $\Rightarrow$ 6

Q25 291

Q26 2784

Q27 12 m

Q28 7:45 pm

Q29 $24 - 12 \Rightarrow$ 12 more easers

Q30 $18 \times \$2 \Rightarrow$ $36

Q31 $650 + 145 \rightarrow 795$
$795 \div 3 \Rightarrow$ 265 g

Q32 Both existing age now $50 + (3 + 3) \rightarrow 56$
Celeste $\rightarrow 56 - 27 \Rightarrow$ 29 years old

Q33 144 goldfishes

Q34 $36 ÷ 3 → $12
$12 x 5 ⇒ $60

Q35 4

Q36 4830 – 3245 → 1585
3245 – 1585 ⇒ 1660 more adults

Q37 33

Q38 $950 - $810 → $140
$140 ÷ 2 → $70

Q39 12 x $3 ⇒ $36

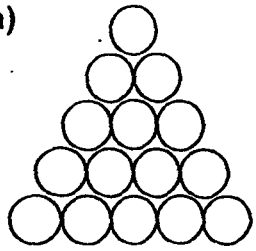
Q40 171 m

Q41 Boys → 891 + 278 = 1169
Total → 891 + 1169 ⇒ 2060 children

Q42 Laptop + Printer cost → $2500 - $245 = $2255
Laptop cost → $2255 - $190 ⇒ $2065

Q43 Sheep 18 x 4 = 72 } Total:
Duck 5 x 2 = 10 } 82 legs
Ans ⇒ 5 ducks

Q44 (a)



(b) Pattern 5 → 15 circles
Pattern 6 → 21 circles
Pattern 7 → 28 circles
Pattern 8 → 36 circles
Pattern 9 → 45 circles
Pattern 10 ⇒ 55 circles

Q45 (a) Amount Daniel had at first → $6320 + $190 ⇒ $6510

(b) Amount Maria had → $6700 - $6320 ⇒ $380 more

Q46 Carlos sold $\frac{1579 + 65}{4}$ ⇒ 411 coupons

End