SEMESTRAL ASSESSMENT 2

PRIMARY 3 MATHEMATICS

25 OCTOBER 2016

BOOKLET A

17 questions

30 marks

Total time for Booklets A and B: 1 h 45 min

NAME : _____ ( )

CLASS : PRIMARY 3 _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

Section A: 30 marks

Questions 1 to 4 carry 1 mark each.
Questions 5 to 17 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).
Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

1. In 7826, the digit _____ is in the thousands place.

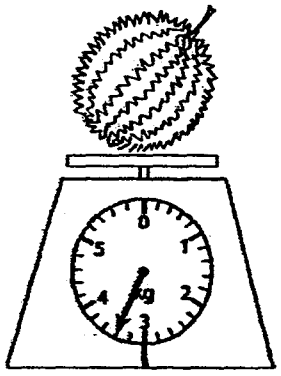
   (1) 6
   (2) 2
   (3) 7
   (4) 8

2. 8591 = _____ + 500 + 91

   (1) 8
   (2) 80
   (3) 800
   (4) 8000

3. The mass of the durian shown in the diagram below is _____ kg _____ g.

   (1) 3 kg 40 g
   (2) 3 kg 200 g
   (3) 3 kg 400 g
   (4) 4 kg 400 g



4. Express $\frac{8}{12}$ in the simplest form.

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

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

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

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

5. 2490 is 50 less than _____.

(1) 2440

(2) 2495

(3) 2540

(4) 2990

6. Complete the number pattern below.

1959 , 1969 , 1989 , _____ , 2059 , 2109

(1) 1990

(2) 1999

(3) 2009

(4) 2019

7. Find the quotient of 763 and 7.

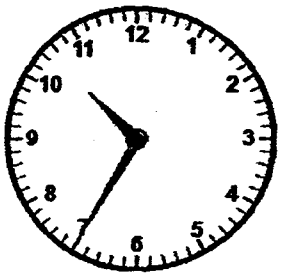
(1) 19

(2) 109

(3) 190

(4) 5341

8. Mingfa left his home for the library at the time shown.
The journey took 45 minutes. What time did he reach the library?



(1) 8.35 a.m.

(2) 9.50 a.m.

(3) 10.52 a.m.

(4) 11.20 a.m.

9. Find the missing numerator for the fraction.

$$\frac{3}{4} = \frac{\square}{32}$$

(1) 18

(2) 21

(3) 24

(4) 31

10. Find the sum of $\frac{1}{5}$ and $\frac{7}{10}$.

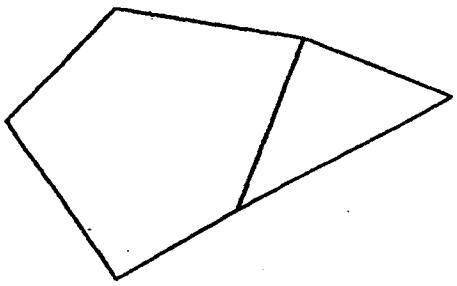
(1) $\frac{8}{10}$

(2) $\frac{9}{10}$

(3) $\frac{8}{15}$

(4) $\frac{9}{20}$

11. Study the figure carefully.



There are _____ angles inside the figure that is smaller than the right angle.

(1) 5
(2) 2
(3) 3
(4) 8

12. Study the figures below carefully.

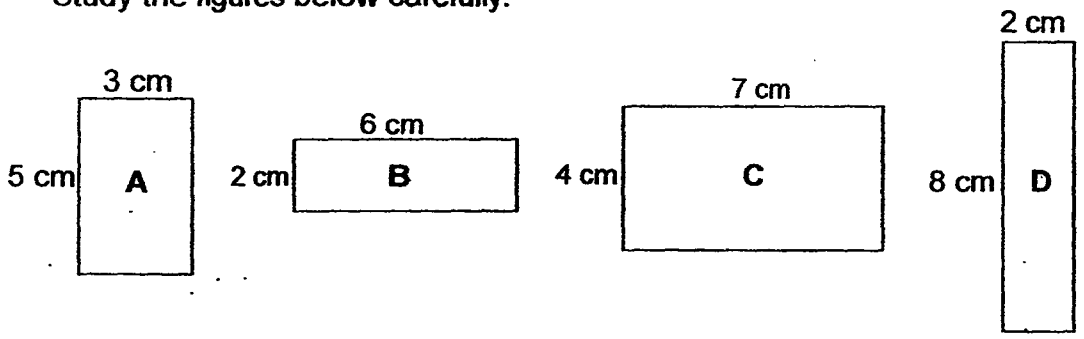
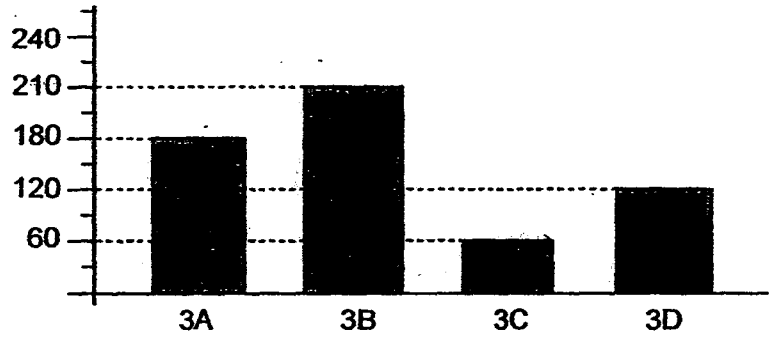


Figure _____ has the greatest perimeter.

(1) A
(2) B
(3) C
(4) D

The bar graph below shows the number of books Primary 3A to 3D students read over a week. Use the bar graph to answer **Questions 13 and 14.**



13. Classes _____ and _____ read 240 books in total.

(1) 3A and 3C

(2) 3A and 3D

(3) 3B and 3C

(4) 3C and 3D

14. For every 3 books read by the students, they can exchange for 1 gift. How many more gifts did 3B exchange than 3C?

(1) 50

(2) 90

(3) 150

(4) 450

15. Jane baked 49 cupcakes.
Anna baked 3 times as many cupcakes as Jane.
Lucy baked 19 more cupcakes than Anna.
How many cupcakes did Lucy bake?

(1) 106

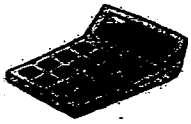
(2) 128

(3) 147

(4) 166

16. Mr Yeo has two $10 notes and three $5 notes in his wallet.
He wants to buy all the items below.
He needs $_____ more.

$3.80



$25.00

$15.20

(1) $9

(2) $29

(3) $35

(4) $44

17. The fraction which lies in between $\frac{2}{5}$ and $\frac{2}{3}$ is _____.

(1) $\frac{2}{4}$

(2) $\frac{4}{15}$

(3) $\frac{8}{15}$

(4) $\frac{16}{15}$

End of Booklet A
Go on to Booklet B

SEMESTRAL ASSESSMENT 2
PRIMARY 3 MATHEMATICS
25 OCTOBER 2016
BOOKLET B

23 questions

50 marks

Total time for Booklets A and B: 1 h 45 min

NAME : _____ **(** **)**

CLASS : PRIMARY 3 _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

MARKS OBTAINED :

BOOKLET A: _____ **/ 30**

BOOKLET B: _____ **/ 50**

TOTAL : _____ **/ 80**

Parent's Signature: _____

Section B: 32 marks
Questions 18 to 21 carry 1 mark each.
Questions 22 to 35 carry 2 marks each.
Show your working clearly in the spaces below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

18. Find the sum of 40 hundreds, 56 tens and 9 ones.

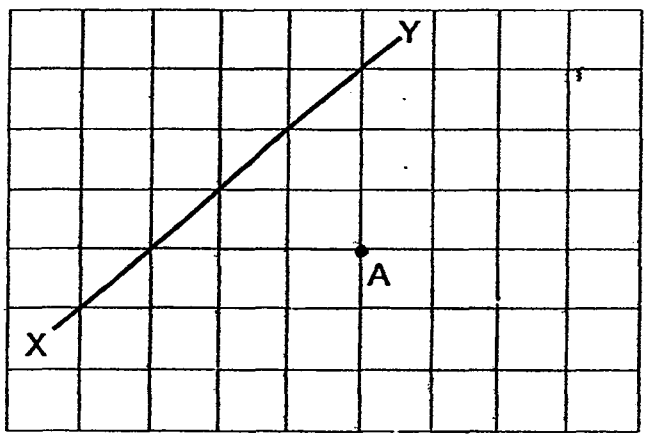
Answer: _____

19. Use the digits below to form the greatest 4-digit **odd** number.

5 , 2 , 7 , 8

Answer: _____

20. Draw a line parallel to the Line XY passing through the point A



3

21. The number in the boxes are the **same**. What is the missing number?

$$\begin{array}{r} 2\ 3\ 0 \\ -\ \square\ 7\ 9 \\ \hline 5\ \square \end{array}$$

Answer: _____

---

22. Arrange the fractions below from the smallest to the greatest.

$\frac{2}{3}$ $\frac{3}{4}$ $\frac{1}{6}$

Answer: _____ , _____ , _____
(smallest) (greatest)

---

23. Gale took 30 min to do her Mathematics homework.
She took 45 min to do her English homework.
How long did she take to finish her homework?

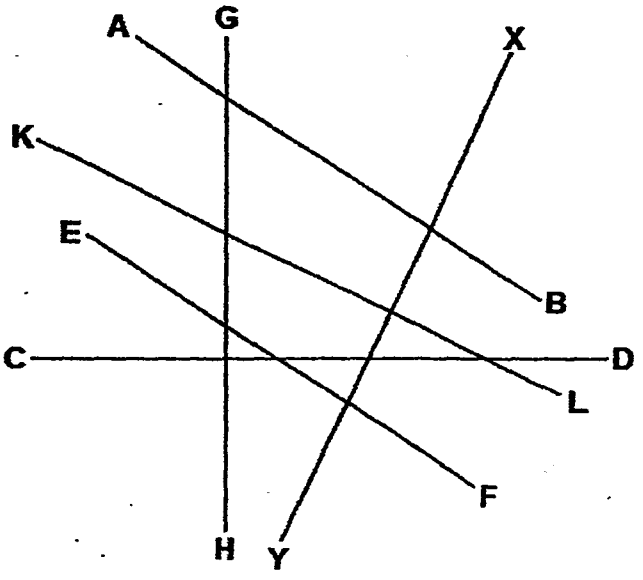
Answer: _____ h _____ min

5

24. Study the figure below.

(a) Name a line parallel to AB.

(b) Name a line perpendicular to CD.



Answer: (a) AB // _____

(b) CD ⊥ _____

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25. Paul has 10 fifty-cent coins and 7 twenty-cent coins.
How much money has he?

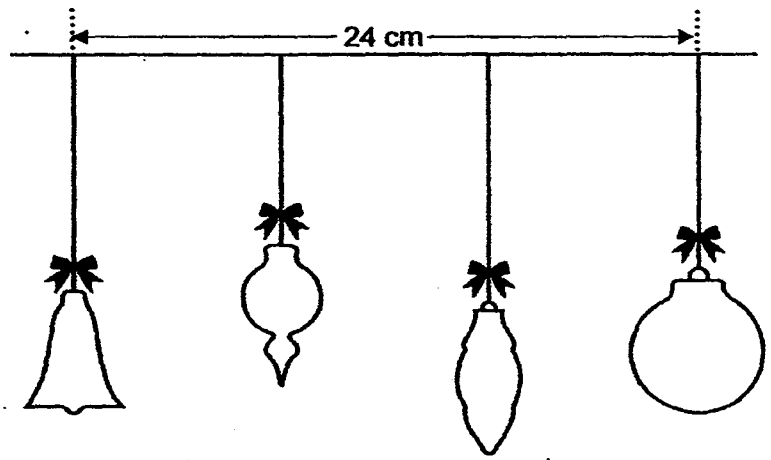
Answer: $ _____

4

26. Mary used 116 cm of cloth to sew a dress.
She used 3 times the cloth to sew some curtains.
What is the total length of cloth she used in all?
Express your answer in metres and centimetres.

Answer: _____m_____ cm

27. For a party, Mrs. Neo hangs part of her decorations as shown below.
All the decorations are hung equal distance apart.



Find the distance between the 1st and 10th decoration.

Answer: _____ cm

4

28. The sum of two numbers is 8844. If the greater number is 200 more than the smaller number. Find the greater number.

Answer: _____

---

29. Terry took 55 min to travel from home to the zoo.
He spent 2 h 10 min at the zoo. He left the zoo at 1.30 p.m.
What time did he leave his house for the zoo?

Answer: _____ a.m.

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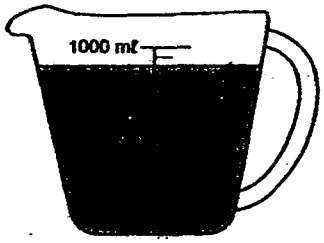
30. I am a number between 4000 and 5000.
- The digit in the hundreds place is 2.
- The digit in the ones place is 3 times the digit in the hundreds place.
- The digit in the thousands place and tens place adds up to 11.

What number am I?

Answer: _____

/ 6

31. A jug was filled with lemonade as shown below.



Tommy poured all the lemonade from the jug equally into 5 identical glasses.
What is the volume of lemonade in each glass?

Answer: _____ mℓ

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32. When a 2-digit number is divided by 7, it gives a remainder of 3.
When the same number is divided by 9, there is no remainder.
What is this number?

Answer: _____

---

33. Helen has 6 times as much money as Jim.
After Helen spent $240, she had twice as much money as Jim.
How much money does Jim have?

Answer: $ _____

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34. Kester and Jake had an equal number of stickers at first.
Kester gave 30 stickers to Jake. Jake has 265 stickers now.
How many stickers has Kester now?

Answer: _____

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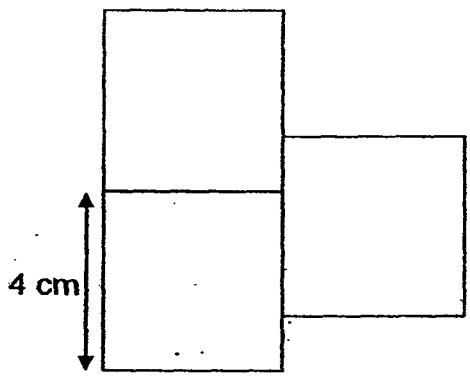
35. The figure below is made up of 3 identical squares.
The length of one side of a square is 4 cm.
What is the perimeter of the whole figure?



Answer: _____ cm

4

Section C: 18 marks
Questions 36 and 37 are 3 marks each.
Questions 38 to 40 are 4 marks each.

Show your working clearly in the spaces below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

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36. Linda collected 2651 cans for recycling.
Henry collected 148 more cans than Linda.
He collected 28 more cans than Sandy.
How many cans did Sandy collect?

Working Column

Answer: _____ [3m]

3

37. 2 schoolbags and 2 notebooks cost $50.
1 schoolbag and 2 notebooks cost $28.
Find the cost of 1 notebook cost.

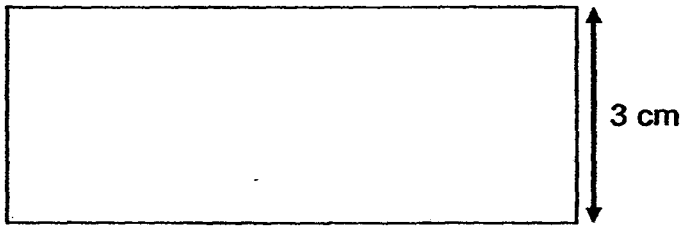
Working Column

Answer: _____ [3m]

3

38. Gary bent a piece of wire 32 cm long into a rectangle with breadth 3cm.

Working Column



(a) Find the length of the rectangle.
(b) Find the area of the rectangle.

Answer: (a) _____ [2m]

(b) [2m]

4

39. Ahmad, Sam and Jim shared 334 playing cards.
Sam received 6 more playing cards than Ahmad.
Jim received twice as many playing cards as Ahmad.
How many playing cards did Jim receive?

Working Column

Answer: _____ [4m]

4

40. A car has 4 wheels and a motorcycle has 2 wheels.
There are 10 more cars than motorcycle in a carpark.
The cars and motorcycle have a total of 64 wheels
How many cars are there in the carpark?

Working Column

Answer: _____ [4m]

End of Booklet B
Please check your work carefully.

4

ANSWER KEY

YEAR : 2016
LEVEL : PRIMARY 3
SCHOOL : MARIS STELLA HIGH
SUBJECT : MATHEMATICS
TERM : SA2

Booklet A

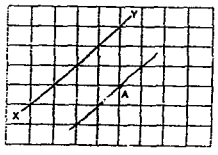
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
3	4	3	2	3	4	2	4	3
Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	
2	3	3	1	1	4	1	3	

Booklet B

Q18 4569

Q19 8725

Q20



Q21 1

Q22 $\frac{1}{6}, \frac{2}{3}, \frac{3}{4}$

Q23 1 h 15 min

Q24 (a) AB // EF

(b) CD ⊥ GH

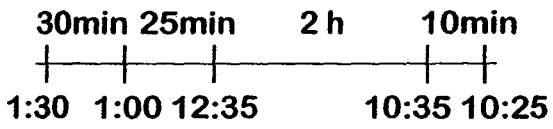
Q25 $6.40

Q26 116 cm x 4 → 464 cm
464 cm ≈ 4 m 64 cm

Q27 72 cm

Q28 4522

Q29



Ans ⇒ 10:25 am

Q30 4276

Q31 900 ÷ 5 ⇒ 180 mℓ

Q32 45

Q33 $60

Q34 265 – 30 → 235
235 – 30 ⇒ 205 stickers

Q35 8 x 4 ⇒ 32 cm

Q36 2651 + 148 → 2799
2799 – 28 ⇒ 2771 cans

Q37 2s + 2n = $50
1s + 2n = $28
1s = (2s + 2n) – (1s + 2n)
= $50 - $28 → $22
(1s + 2n) – (1s) = 2n
2n → 28 – 22 = 6
1n → 6 ÷ 2 ⇒ $3 per notebook

Q38 (a) 3 x 2 = 6
32 – 6 = 26
26 ÷ 2 ⇒ 13 cm

(b) 13 x 3 ⇒ 39 cm^2

Q39 4□ + 6 → 334
4□ → 334 – 6 = 328
1□ → 328 ÷ 4 = 82
Jim → 2□ = 82 x 2 ⇒ 164 playing cards

Q40 14 cars

End