MARIS STELLA HIGH SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT 2

PRIMARY 3 MATHEMATICS

30 OCTOBER 2018

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 3526, the digit _____ is in the hundreds place.

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

2. The digit 6 in _____ has the greatest value.

   (1) 2684
   (2) 4268
   (3) 6842
   (4) 8426

3. Which set of numbers is arranged from the smallest to the greatest?

   (1) 7606, 7006, 9607, 9706
   (2) 9964, 9794, 8864, 8684
   (3) 6038, 6380, 8306, 8630
   (4) 9876, 9767, 9786, 9798

4. What is the equivalent fraction represented by A?

$$\frac{2}{3} = \boxed{A}$$

(1) $\frac{6}{10}$

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

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

(4) $\frac{8}{12}$

5. Find the sum of 2645 and 4778.
What is the digit in the hundreds place?

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

6. 809 ÷ 4 = _____ R1

(1) 22
(2) 202
(3) 204
(4) 808

7. $_____ + \frac{1}{4} = \frac{7}{8}$

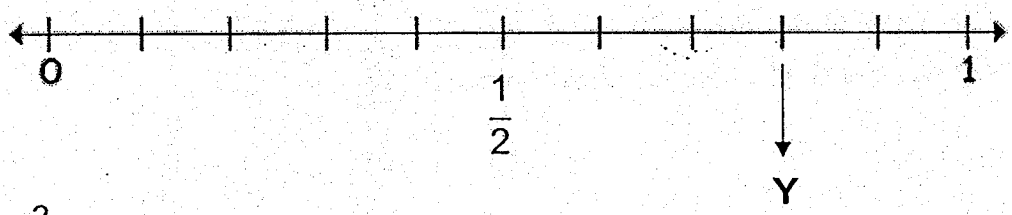
(1) $\frac{5}{8}$

(2) $\frac{6}{8}$

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

(4) $\frac{8}{12}$

8. Which one of the following fractions is represented by the letter Y in the number line below?



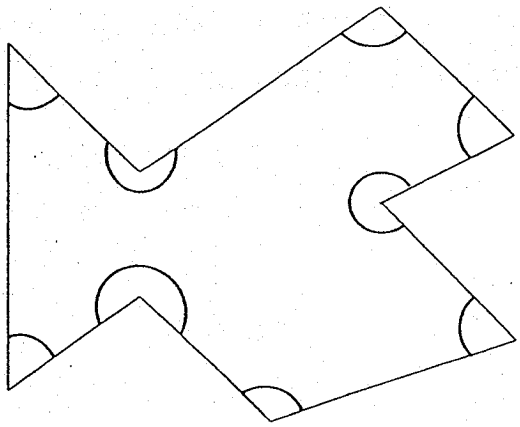
(1) $\frac{2}{5}$

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

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

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

9. How many angles in the figure shown below are smaller than a right angle?



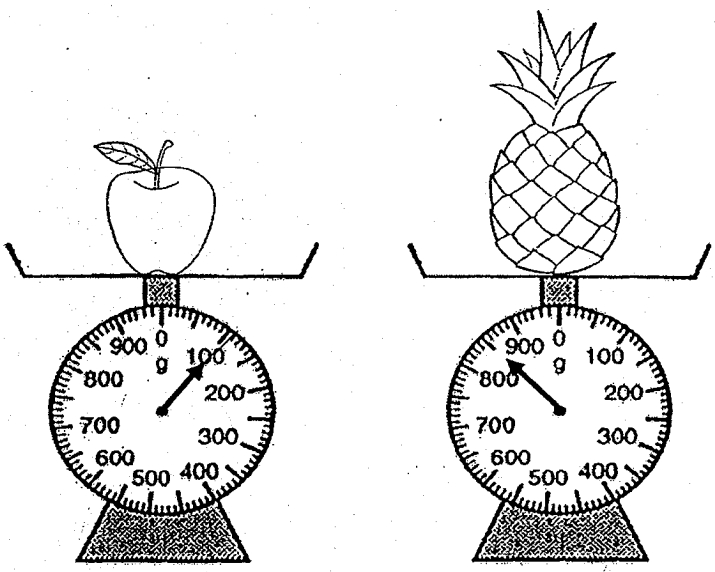
(1) 9

(2) 2

(3) 5

(4) 4

10. The masses of an apple and a pineapple are shown below.
What is the total mass of these two fruits?



(1) 805 g

(2) 850 g

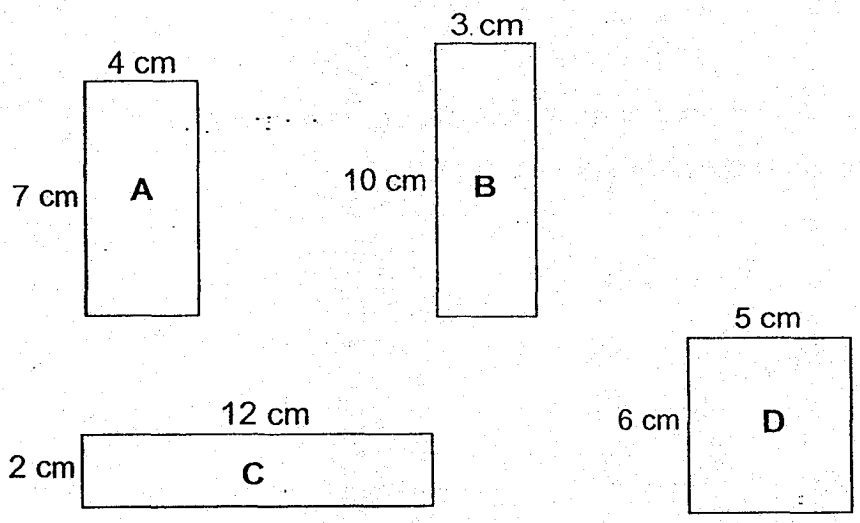
(3) 905 g

(4) 950 g

11. Timothy and Jimmy worked on a project together at 8.30 a.m.
They stopped at 12.45 p.m. for one hour lunch.
After that, they continued to work on the project until 2.45 p.m.
How long did they spend working on the project?

(1) 4 h 15 min
(2) 5 h 15 min
(3) 6 h 15 min
(4) 10 h 15 min

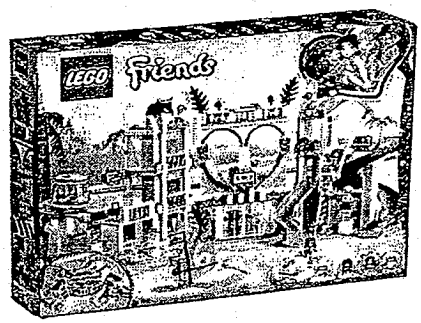
12. Which one of the following rectangles has the smallest area?



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

13. Mr Koh bought the two toys shown below.
He gave $100 to the cashier.
How much change did he receive?

$46.85



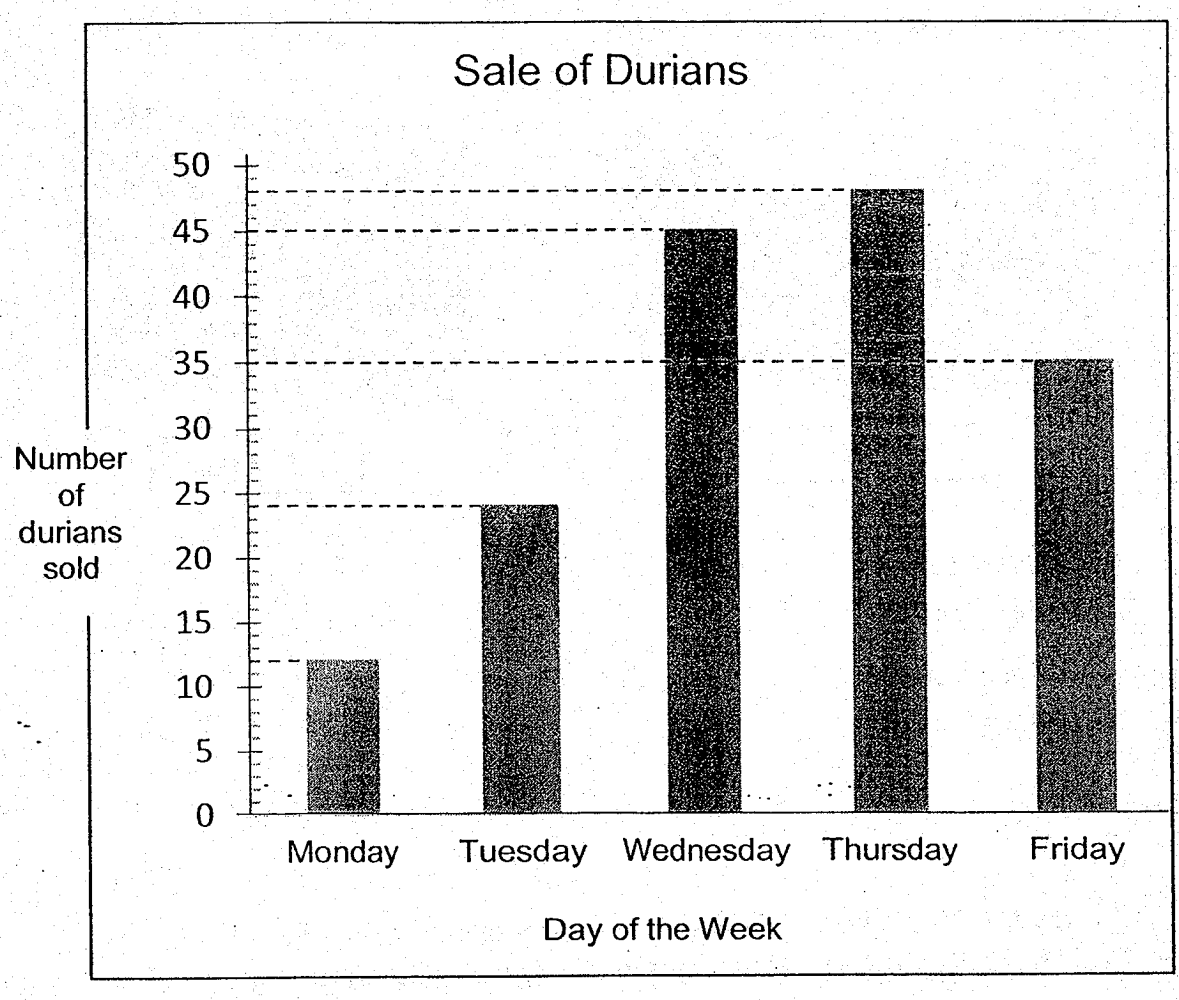
$38.90

(1) $14.25
(2) $15.25
(3) $53.15
(4) $85.75

14. James had 79 stickers. He had 14 stickers more than Sally.
Sally used 26 stickers. How many stickers did Sally have in the end?

(1) 39
(2) 65
(3) 67
(4) 93

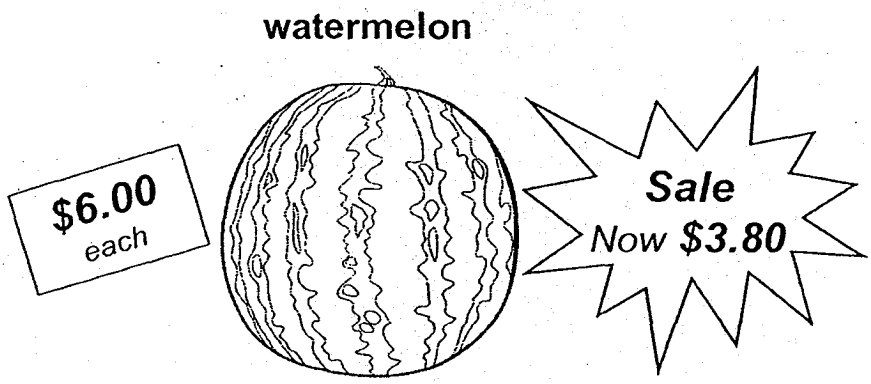
15. The bar graph below shows the number of durians a fruit seller sold last week.



The number of durians sold on Tuesday is twice as many as that sold on _____.

(1) Friday
(2) Monday
(3) Thursday
(4) Wednesday

16. Mrs Tan bought 2 watermelons during a sale.
How much money did she **save**?



(1) $2.20

(2) $4.40

(3) $7.60

(4) $9.80

17. Adam, Betty, Clara and Denzel are running a race.
Adam is 70 m ahead of Betty.
Betty is 40 m behind Clara.
Denzel is 20 m behind Adam.
Who is in the 3rd position?

(1) Adam

(2) Betty

(3) Clara

(4) Denzel

End of Booklet A
Go on to Booklet B

MARIS STELLA HIGH SCHOOL (PRIMARY)
SEMESTRAL ASSESSMENT 2
PRIMARY 3 MATHEMATICS
30 OCTOBER 2018
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 space 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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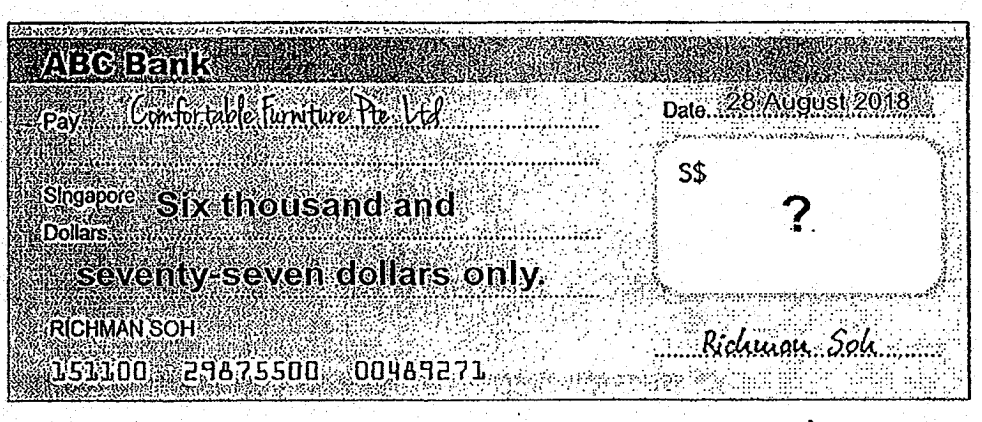
18. What is the correct amount on the cheque in numerals?



Answer: $ _____

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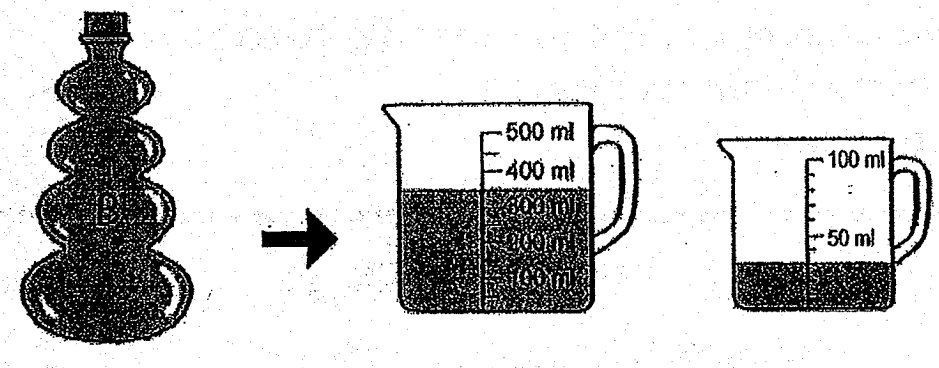
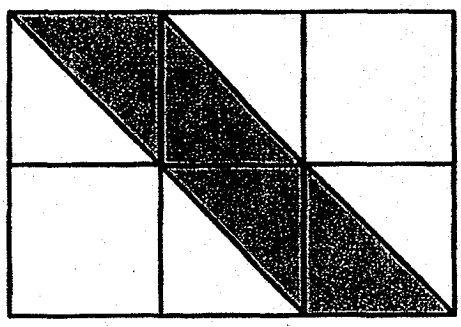
19. Paul emptied the water from Container B into the two beakers shown below. What was the volume of water in Container B?



Answer: _____ ml

2

20. The figure below is made up of 6 identical squares.
What fraction of the figure is shaded?
Give your answer in the simplest form.



Answer: _____

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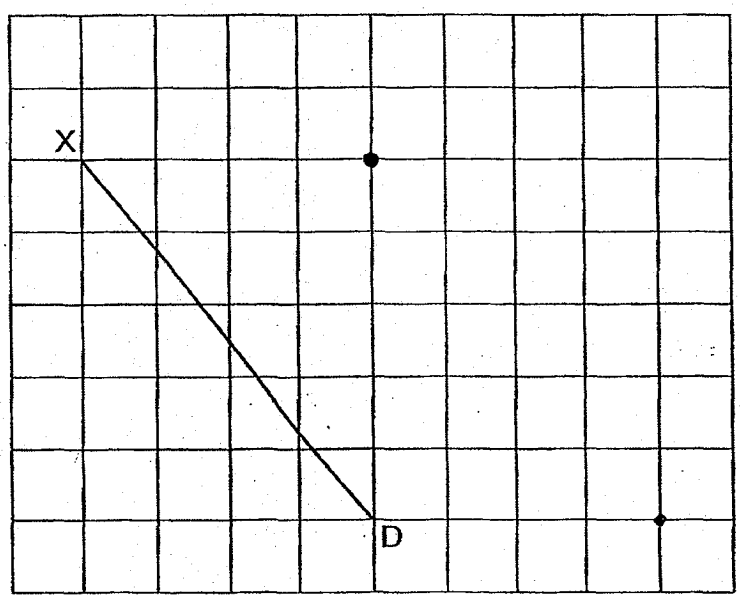
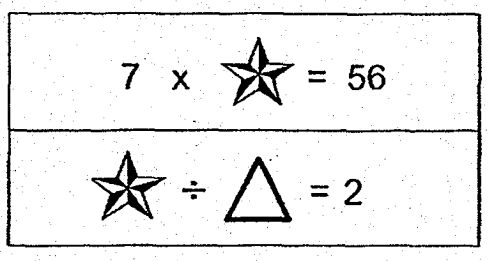
21. Use a ruler to draw a line **parallel** to line XD. The line has to pass through the point given in the grid below.



2

22. Study the equations below carefully.



△ represents the number _____.

Answer: _____

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23. Find the digits represented by **A** and **B**.

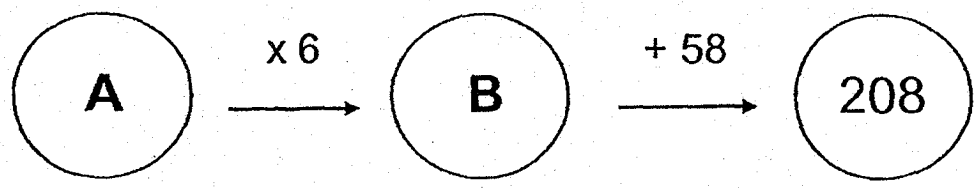
$$\begin{array}{r} \boxed{A}\,0\,0\,0 \\ -\quad 4\,3\,7\,\boxed{B} \\ \hline 4\,6\,2\,9 \\ \hline \end{array}$$

Answer: A = _____

B = _____

4

24.



What are the values of **A** and **B**?

Answer: A = _____

B = _____

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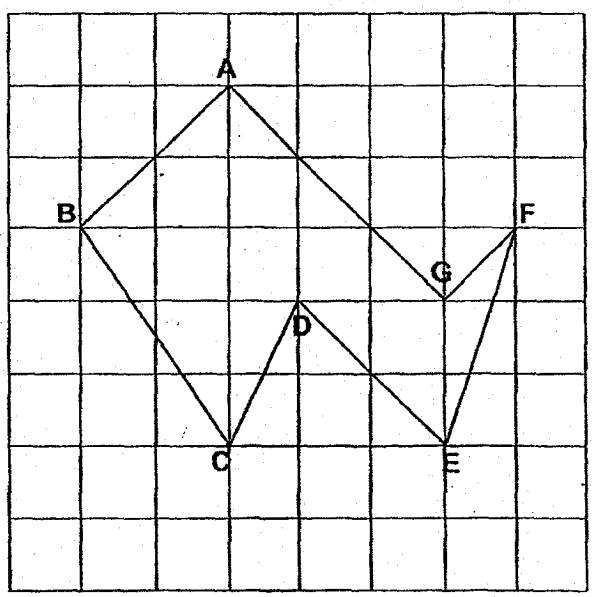
25. Study the figure below carefully.

(a) Name a line parallel to AG.
(b) Name a line perpendicular to AB.

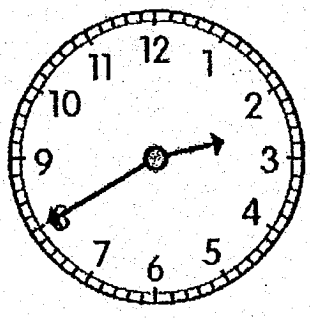


Answer: (a) AG // _____

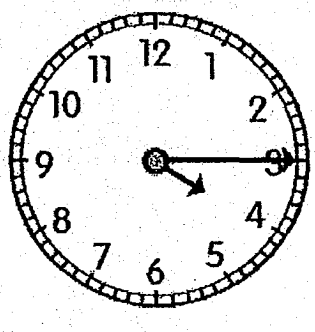
(b) AB ⊥ _____

4

26. Timothy started his homework and finished it at the time shown below.
How long did he take to complete his homework?



Start



End

Answer: _____ min

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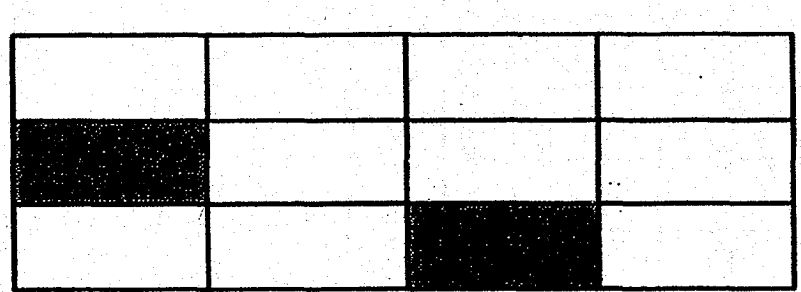
27. The figure below is made up of identical rectangles.
Two of the rectangles are shaded.

How many **more** rectangles must be shaded so that $\frac{3}{4}$ of the figure is shaded?



Answer: _____

4

28. Form the **greatest 4-digit** number using the clues given below.

- All the digits are different
- The digit in the tens place is the greatest odd number
- The digits in the hundreds and ones place add up to 12

What is the number?

Answer: _____

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29. A total of 264 cars and vans are parked in a car park.
The cars are 3 times as many as the vans.
How many vans are in the car park?

Answer: _____

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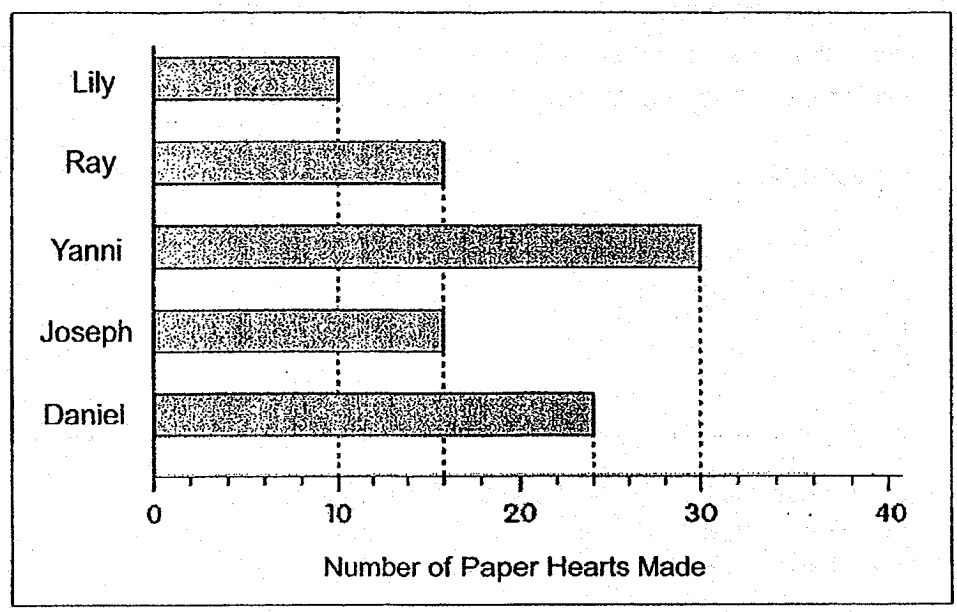
30. A shirt and 3 pants cost $69. 3 shirts and 3 pants cost $99.
How much does a shirt cost?

Answer: $_____

6

31. The bar graph shows the number of paper hearts made by five children.



(a) Which two children made the same number of paper hearts?

(b) Who made 8 more paper hearts than Ray?

Answer: (a) _____ and _____

(b) _____

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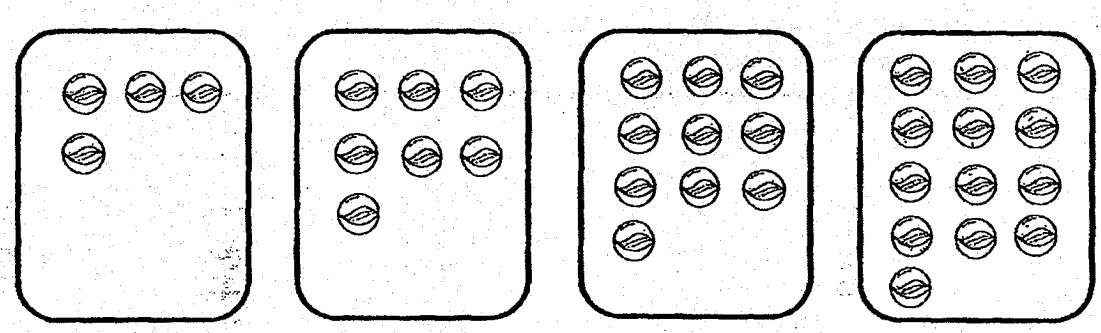
32. There are 4 times as many girls as boys in a library.
There are 108 more girls than boys.
How many boys are there in the library?

Answer: _____

4

33. Study the pattern below carefully.



Pattern 1 Pattern 2 Pattern 3 Pattern 4

How many marbles will there be in Pattern 8?

Answer: _____

---

34. Mr Wong and his family reached Marina Barrage at 3.30 p.m.
They spent 2 h 15 min exploring the place and had a picnic there.
They then spent 1 h 45 min flying their kites before going home.
What time did they leave Marina Barrage?

Answer: _____ p.m.

4

35. 6 men and 4 women sat at each table during a charity dinner.
60 **more** men than women attended the dinner.
All the tables were fully occupied.
How many tables were there altogether?

Answer: _____

2/2

Section C: 18 marks

For questions **36** to **40**, show your working clearly in the space below each question and write your answers in the spaces provided. The number of marks available is shown at the end of each question or part-question.

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36. Farmer Joe picked 8427 strawberries.
He picked 5000 fewer mangoes than strawberries.

(a) How many mangoes did Farmer Joe pick?

(b) Farmer Joe packed 9 mangoes into each box.
How many mangoes were **not** packed into the boxes?

Working Column

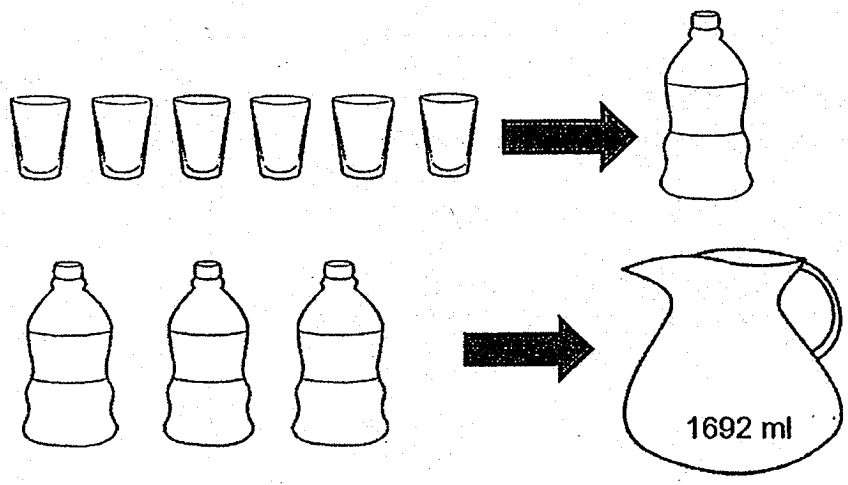
Answer: (a) _____ (2)

(b) _____ (2)

4

37. 6 identical glasses can hold as much lemonade as a bottle.
3 such bottles can hold as much lemonade as a jug.
The capacity of the jug is 1692 ml.

Working Column



(a) How much lemonade can a bottle hold?

(b) How much lemonade can a glass hold?

Answer: (a) _____ (2)

(b) _____ (2)

4

38. Ben and Henry had a total of 210 cards at first.
After Henry gave 35 cards to Ben, Ben had twice as many cards as Henry.

How many cards did Henry have at first?

Working Column

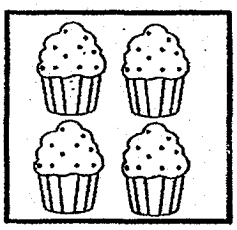
Answer: _____

3

39. Shops A and B sell similar cupcakes.

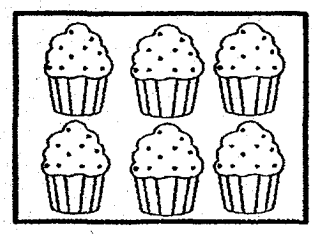
Working Column

Shop A



4 for $11

Shop B



6 for $15

Ashley needs 24 cupcakes for a tea party.
She wants to buy from the cheaper shop.

Which shop will she buy the 24 cupcakes from?

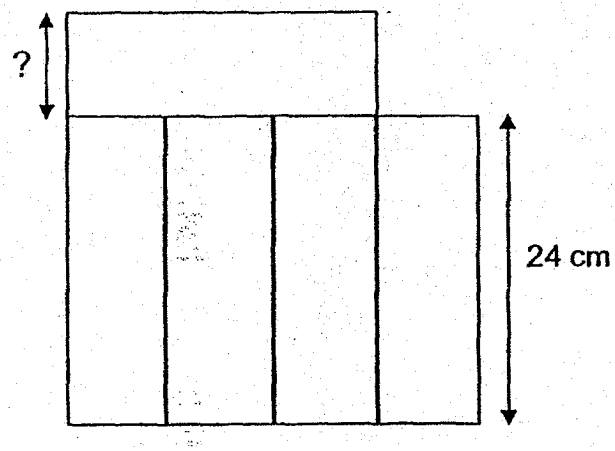
(Show your workings clearly in the space below to support your answer.)

Answer: **Shop** _____

3

40. The figure below is made up of 5 identical rectangles.

Working Column



(a) Find the breadth of one rectangle.

(b) Find the perimeter of the figure.

Answer: (a) _____ (2)

(b) _____ (2)

End of Booklet B

4

EXAM PAPER 2018 (P3)

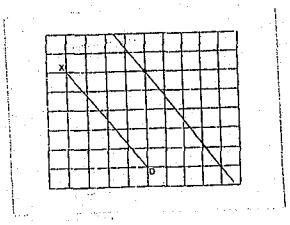
SCHOOL : MARIS STELLA

SUBJECT : MATHEMATICS

TERM : SA2

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

18)$6077 19)380ml 20)1/3 21)



22)4 23)A: 9 B: 1 24)A: 25 B: 150

25) a)DE b)AG 26)1h 35min 27)7 28)8795

29)66 30)$15 31)a)Ray and Joseph b)Daniel

32)36 33)25 34)7.30 p.m. 35)30

36)a)8427 – 5000 = 3427

b)3427 ÷ 9 = 380 R7 (ANS: 7)

37) a)1692 ÷ 3 = 564ml

b)564 ÷ 6 = 94ml

38)210 ÷ 3 = 70

70 + 35 = 105

39)Shop A : 24 ÷ 4 = 6

$11 x 6 = $66

Shop B: 24 ÷ 6 = 4

$15 x 4 = $60

ANS : B

40) a)24 ÷ 3 = 8cm

b)8 x 4 = 32

96 + 32 = 128cm