NANYANG PRIMARY SCHOOL

SECOND SEMESTRAL EXAMINATION 2014

PRIMARY 3 MATHEMATICS

DURATION: 1 HOUR 45 MINUTES

Section A	/ 40
Section B	/ 40
Section C	/ 20

Total: / 100

Name: _____ ( )

Class: Primary 3 ( )

Date: _____

Parent's Signature: _____

Any query on marks awarded should be raised by **7 November 2014**. We seek your understanding in this matter as any delay in the confirmation of marks will lead to delay in the generation of results.

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

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

Section A

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). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(Total: 40 marks)

1. What is the value of 5 thousands, 2 hundreds, 7 tens and 3 ones?

(1) 7532
(2) 5273
(3) 3725
(4) 2537

2. Find the sum of 2916 and 4053.

(1) 1137
(2) 2043
(3) 6969
(4) 7969

3. Mrs Chong baked 304 cookies.
She put them equally into 8 bags.
How many cookies were there in each bag?

(1) 38
(2) 43
(3) 1824
(4) 2432

4. Ayu saved $99.45.
Fajar saved $57.65 less than Ayu.
How much did Faiar save?

(1) $41.80
(2) $42.20
(3) $146.00
(4) $157.10

5. Alexander and his friends went running last weekend.
The table below showed the distance that Alexander and his friends ran.
Who ran the furthest distance?

	Distance
Alexander	9783 cm
David	9783 m
Jia Xi	98 m 73 cm
Yew Meng	9 km 83 m

(1) Alexander
(2) David
(3) Jia Xi
(4) Yew Meng

6. Which fraction is equivalent to $\frac{6}{9}$?

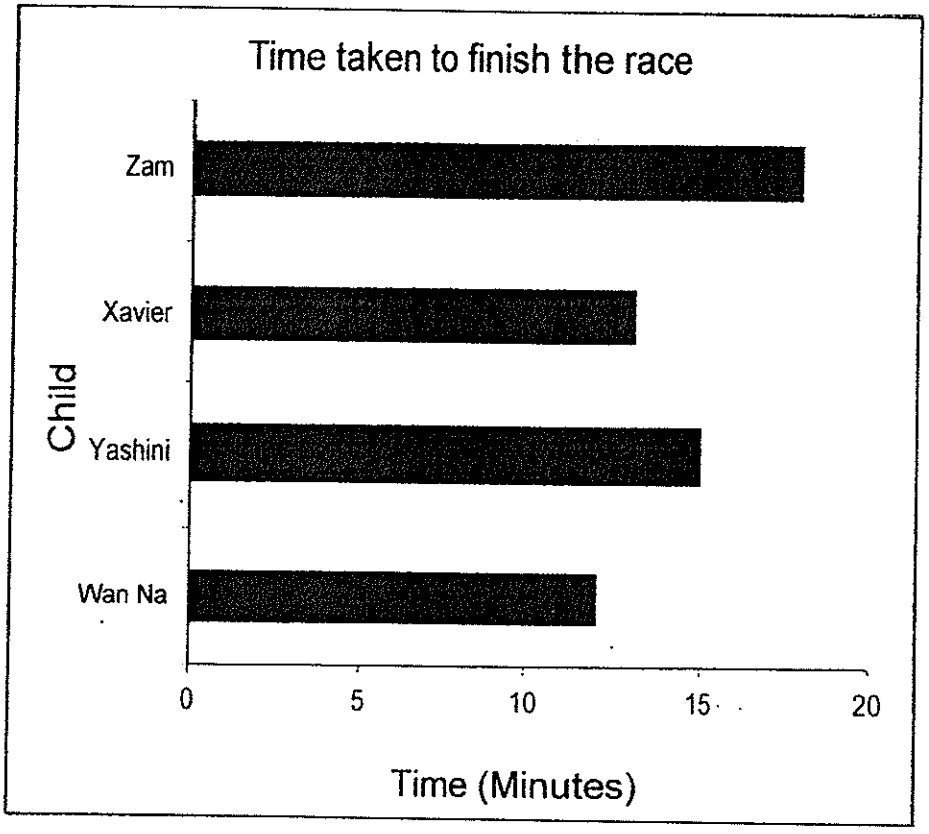
(1) $\frac{1}{9}$
(2) $\frac{1}{3}$
(3) $\frac{3}{6}$
(4) $\frac{2}{3}$

7. What is $\frac{4}{12}$ in its simplest form?

(1) $\frac{1}{3}$ (2) $\frac{1}{12}$

(3) $\frac{2}{6}$ (4) $\frac{4}{4}$

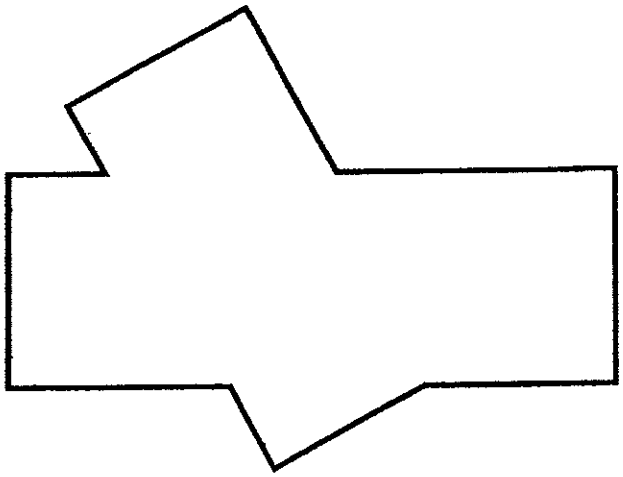
8. Some children took part in a race during Sports Day.
The graph below shows the time each child took to finish the race.



Who was the first to finish the race?

(1) Wan Na (2) Xavier
(3) Yashini (4) Zam

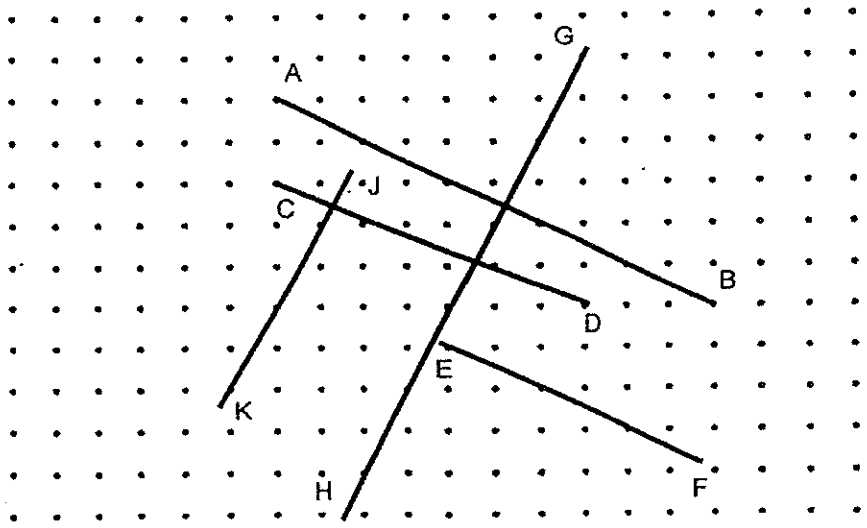
9. The figure below is formed using 2 overlapping rectangles.



How many right angles are there in the figure?

(1) 11
(2) 8
(3) 7
(4) 4

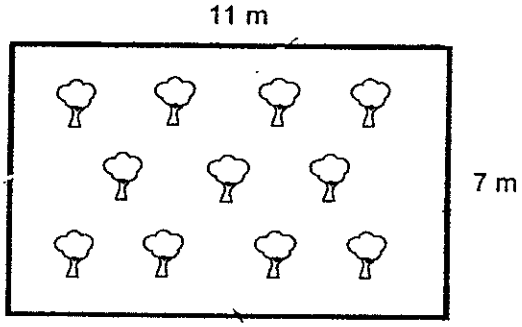
10. Study the lines below.



Name the line that is parallel to line AB.

(1) Line CD
(2) Line EF
(3) Line GH
(4) Line JK

11. The figure below shows a rectangular garden.



What is the perimeter of the garden?

(1) 18 m
(2) 29 m
(3) 36 m
(4) 77 m

12. There are 3172 English books and 1022 Chinese books in a library. What is the difference between the number of English books and Chinese books?

(1) 4194
(2) 2174
(3) 2150
(4) 2050

13. There are 134 sheets of paper in an origami pack. How many pieces of paper are there in 7 such packs?

(1) 938
(2) 931
(3) 728
(4) 718

14. The amount of orange juice a drink dispenser can hold is shown below.

The orange juice in the drink dispenser can fill 3 identical jugs completely.
The orange juice in 1 jug can fill 8 identical cups completely.
Find the capacity of 4 such cups and 1 such jug.
Leave your answers in millilitres.

(1) 1000 ml
(2) 2000 ml
(3) 3000 ml
(4) 6000 ml

15. Miss Seah took 15 minutes to set up her computer.
She took 75 minutes to type a letter and another 15 minutes to edit it.
It was 3.25 p.m. by the time she was done with the letter.
At what time did she start setting up her computer?

(1) 1.40 p.m.
(2) 1.55 p.m.
(3) 2.10 p.m.
(4) 2.20 p.m.

16. Allan spent $3520 in January.
He spent $890 less in February than in January.
How much did he spend for the two months?

(1) $2630
(2) $4410
(3) $6150
(4) $7930

17. Mrs Mok bought 8 packets of chocolates.
Each packet contains 15 chocolates.
She then put all the chocolates equally into 10 baskets.
How many chocolates are there in each basket?

(1) 5
(2) 12
(3) 13
(4) 18

18. Su Yan bought a pen and a book.
The pen costs $14.95.
The book costs $22.40 more than the pen.
She gave the cashier 2 fifty-dollar notes.
How much change did she get back from the cashier?

(1) $37.35
(2) $47.70
(3) $52.30
(4) $58.70

19. The mass of 1 packet of peanuts is 239 g.
The total mass of a box of chocolates and 4 such packets of peanuts is 1 kg 580 g.
What is the mass of the box of chocolates?

(1) 624 g
(2) 956 g
(3) 1341 g
(4) 1436 g

20. Uncle Sam sold 5 *l* 407 ml of sugar cane juice on Friday.
He sold 795 ml more sugar cane juice on Friday than on Saturday.
He sold 495 ml less sugar cane juice on Saturday than on Sunday.
How much sugar cane juice did he sell on Sunday?

(1) 4612 ml
(2) 5107 ml
(3) 5707 ml
(4) 6697 ml

Section B

Questions 21 to 40 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.
(Total: 40 marks)

21. Write the following in numerals.

(a) Two thousand, nine hundred and eighty-nine

Answer : _____

(b) 3 thousands, 47 tens

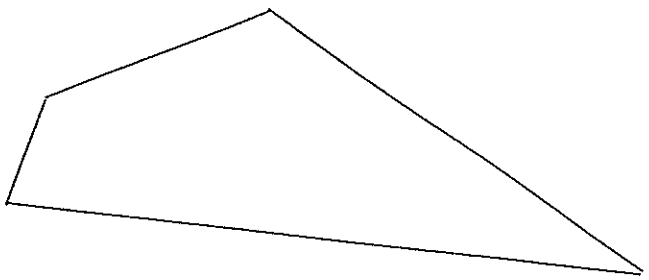
Answer : _____

22. What is the missing numerator?

$$\frac{3}{5} = \frac{\boxed{?}}{10}$$

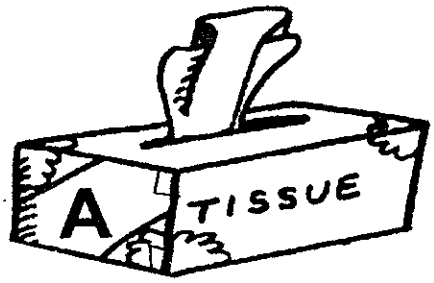
Answer : _____

23. How many angles in the figure are greater than a right angle?



Answer : _____

24. The object below is something that you can find in your home.
It has 6 rectangular faces.
On the side labelled **A**, ~~how many~~ ~~right~~ angles are there?



Answer : _____

25. Arrange the following numbers in **ascending** order.

1202 , 2021 , 1022 , 2210

_____ , _____ , _____ , _____

26. Cedric needs 123 LEGO bricks to build one model car.
He wants to build 6 model cars.
How many LEGO bricks does he need?

Answer : _____

27. A pair of sports shoes costs $38.70.
A badminton racket costs $9.45 more than the pair of sports shoes.
What is the total cost of the pair of sports shoes and the badminton racket?

Answer : $ _____

28. Some girls are standing in a straight line at an equal distance apart.
The distance between the 3rd girl and 4th girl is 125 cm.
Find the distance between the 1st girl and the 9th girl.
Leave your answer in metres.

Answer : _____ m

29. Container N is filled with 6 times as much water as Container K.
Container K is filled with 6 more litres of water than Container L.
The total amount of water in Container L and Container M is equal to the amount of water in Container N.
Container M is filled with 61 *l* of water.
How much water is there in Container K?

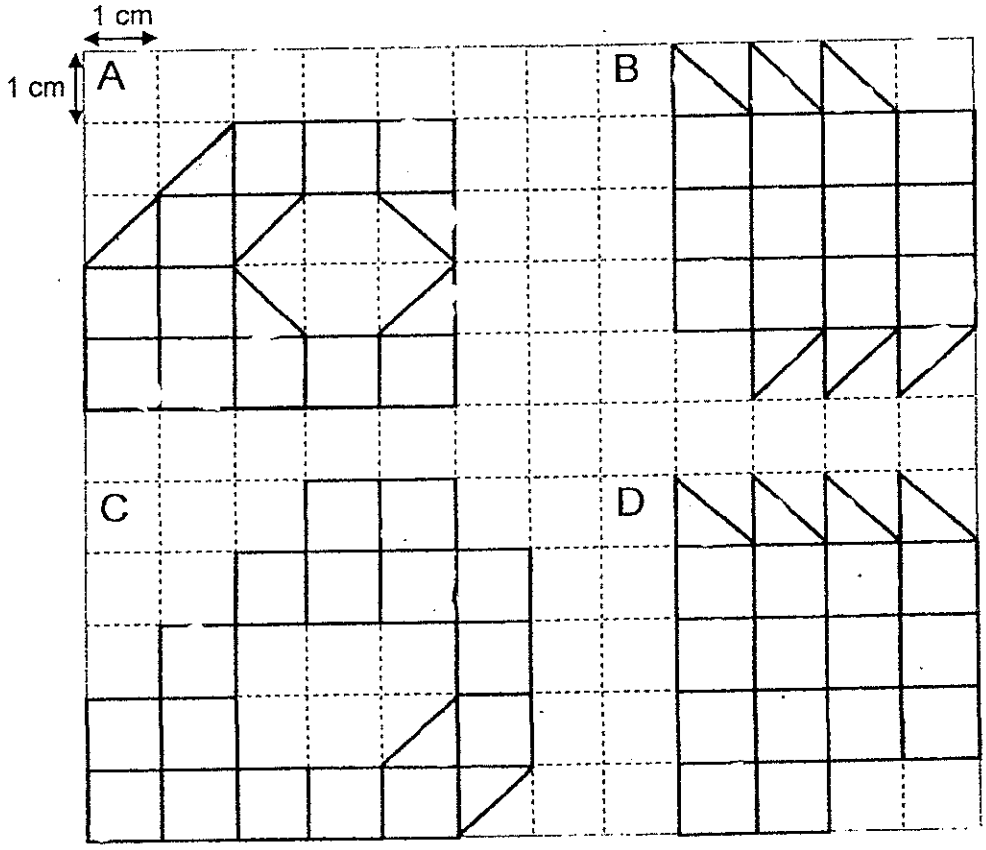
Answer : _____ *l*

30. Arrange the fractions in descending order.

$$\frac{2}{3} \ , \ \frac{1}{2} \ , \ \frac{3}{10} \ , \ \frac{4}{5}$$

_____, _____, _____, _____

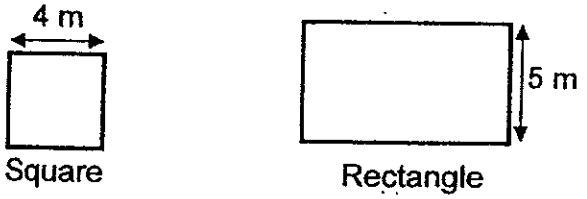
31. These figures are drawn on a 1-cm square grid.



Which 2 figures make up an area of 32 cm^2?

Answer : Figure _____ and _____

32. A wall is covered totally by 2 identical square tiles and 1 rectangle tile as shown below.
The length of the rectangle tile is twice the length of the square tile.
What is the area of the wall?



Answer : _____ m^2

33. Ashley rears 2 hens.
Each hen lays an egg every morning.
After collecting the eggs, Ashley then cooks 5 eggs for her family in the morning.
On 1st June evening, she has 9 eggs.
When will she use up all the eggs she has?

Answer : _____ June

34. Jun Wei wants to hold a party for his classmates in September.
The clues of the date that the party will be held on are:

- The date of the party is divisible by 3.
- The date of the party is not in the 6 times table.
- The sum of the digits of the date is 6.

September 2014						
Sun	**Mon**	**Tue**	**Wed**	**Thu**	**Fri**	**Sat**
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Based on the calendar above, on which date will Jun Wei's party be held?

Answer : _____ September 2014

35. Damien sold 3170 roses and tulips altogether.
1862 of the flowers sold were roses.
How many fewer tulips than roses were sold?

Answer : _____

36. Pei En had 384 green and pink stickers altogether.
She put them equally in 6 packets.
In each packet, the number of green stickers is thrice the number of pink stickers.
How many pink stickers are there in each packet?

Answer :

37. What is the smallest **4-digit odd number** that can be formed with the digits given below?

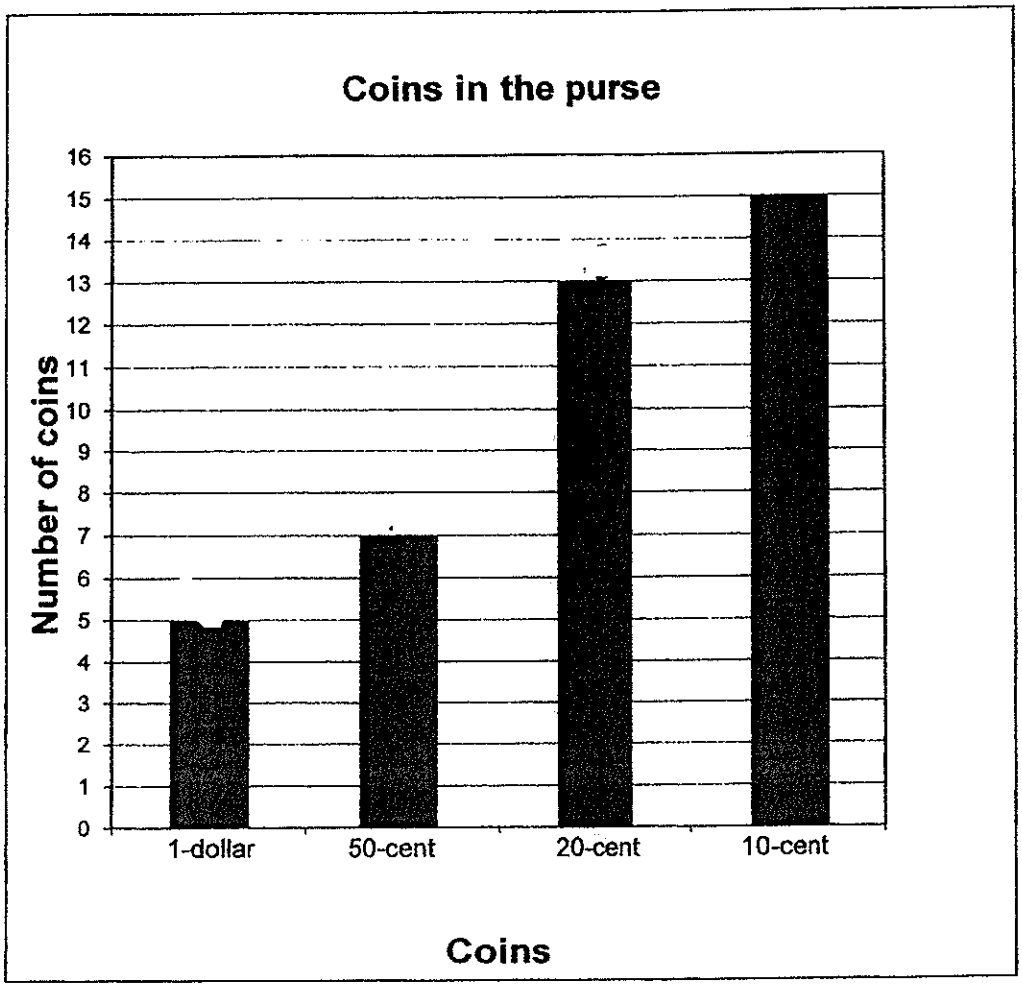
5	6	0	2

Answer : _____

38. Mr Salem had a chocolate bar.
He used $\frac{1}{4}$ of it to make a cake and $\frac{1}{2}$ of it to make some pudding.
What fraction of the chocolate bar had he left?

Answer : _____

39. Study the graph below carefully and answer Question 39(a) and 39(b).
The graph below shows the number of coins in a purse.



(a) What is the value of all the twenty-cent coins?

Answer : $ _____

(b) Which two types of coins add up to the same value as the one-dollar coins?

Answer : _____ cent coins and _____ - cent coins

40. Gabriel sat for a Math quiz which consisted of 15 questions.
There are only 3-mark questions and 5-mark questions in the quiz.
The total marks for the quiz is 65 marks.
How many 5-mark questions are there in the quiz?

Answer : _____

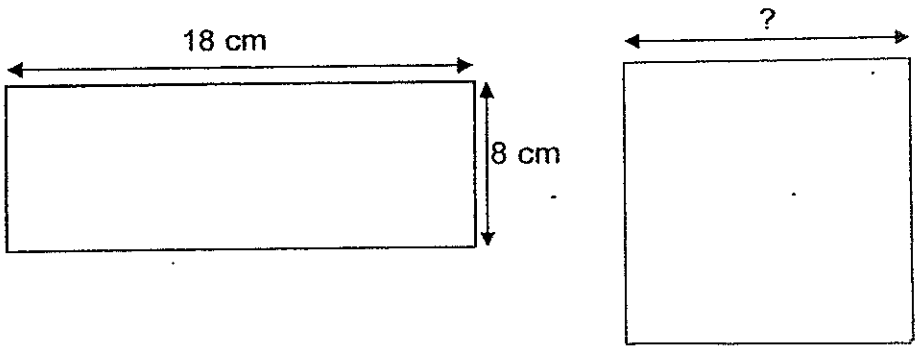
Section C

Questions 41 to 45 carry 4 marks each. Do these word problems carefully. Show your working clearly in the space provided below each question.

(Total: 20 marks)

41. En Xi knitted a scarf and a pair of gloves.
She took 2 hours 48 minutes to knit a pair of gloves.
She completed her work in 5 hours 24 minutes.
How much longer did she take to knit the pair of gloves than the scarf?

42. James bent a wire to form a rectangle as shown below.
He then used the same wire to form a square.
What is the length of the square?



43. Peter has 2756 cards.
Ron has 218 fewer cards than Peter.
Ron has 288 more cards than Ahmad.
How many cards do the three boys have altogether?

44. There were 1824 adults, 324 girls and some boys watching a basketball match.
There were twice as many boys as girls at the match.
Each adult was given a whistle and each child was given 3 balloons.
How many more balloons than whistles were given out?

45. Lynn and Mary had the same amount of money at first.
After Lynn spent $160 and Mary spent $58, Mary had thrice as much money left as Lynn.
How much money did Lynn have left?

☺ ***End of Paper*** ☺
Please Check Carefully

EXAM PAPER 2014
LEVEL : PRIMARY 3
SCHOOL : NANYANG
SUBJECT : MATHS
TERM : SA2

Section A

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

Section B

Q21 (i) 2989
(ii) 3470
Q22 6
Q23 2
Q24 4
Q25 1022, 1202, 2021, 2210
Q26 738
Q27 $86.85
Q28 10m
Q29 11ℓ
Q30 $\frac{4}{5}, \frac{2}{3}, \frac{1}{2}, \frac{3}{10}$
Q31 C and B
Q32 72m^2
Q33 4th June
Q34 15 September 2014
Q35 554
Q36 16
Q37 2065
Q38 $\frac{1}{4}$
Q39 (a) $2.60
(b) 50-cent coins and 10-cent coins
Q40 10

Section C

Q41 5h 24min – 2h 48min = 2h 36min
2h 48min – 2h 36min = **12min**

Q42 Perimeter of rectangle = 2x(18+8) cm = 52cm
52cm ÷ 4 = **13cm**

Q43 2756 – 218 = 2538 (Ron)
2538 – 288 = 2250 (Ahmad)
2756 + 2538 = 5294
5294 + 2250 = **7544 (Total)**

Q44 324 x 2 = 648
648 + 324 = 972
972 x 3 = 2916
2916 – 1824 = **1092**

Q45 $160 - $58 = $102
$102 ÷ 2 = **$51**