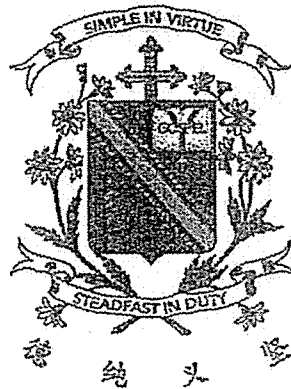


Name: \_\_\_\_\_ ( )

Class: Primary 3 \_\_\_\_\_

## CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 3 Mathematics

2020 End-Year Assessment

Booklet A

27 October 2020

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**TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES**

Do not turn over this page until you are told to do so.  
Follow all instructions carefully.  
Answer all questions.

This booklet consists of 9 printed pages.

**Section A (15 x 2 marks)**

For each question, four options are given. One of the options is the correct answer. Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and SHADE the oval completely.

---

1. The digit 1 in 3815 is in the \_\_\_\_\_ place.

- (1) ones
- (2) tens
- (3) hundreds
- (4) thousands

2. How many hundreds are there in 6000?

- (1) 6
- (2) 60
- (3) 600
- (4) 6000

3. Complete the number pattern below.

1306, 1286, \_\_\_\_\_, 1246, 1226, 1206

- (1) 1296
- (2) 1284
- (3) 1276
- (4) 1266

4. Mrs Lim gave her 3 children \$9 each. How much did she give to her children altogether?

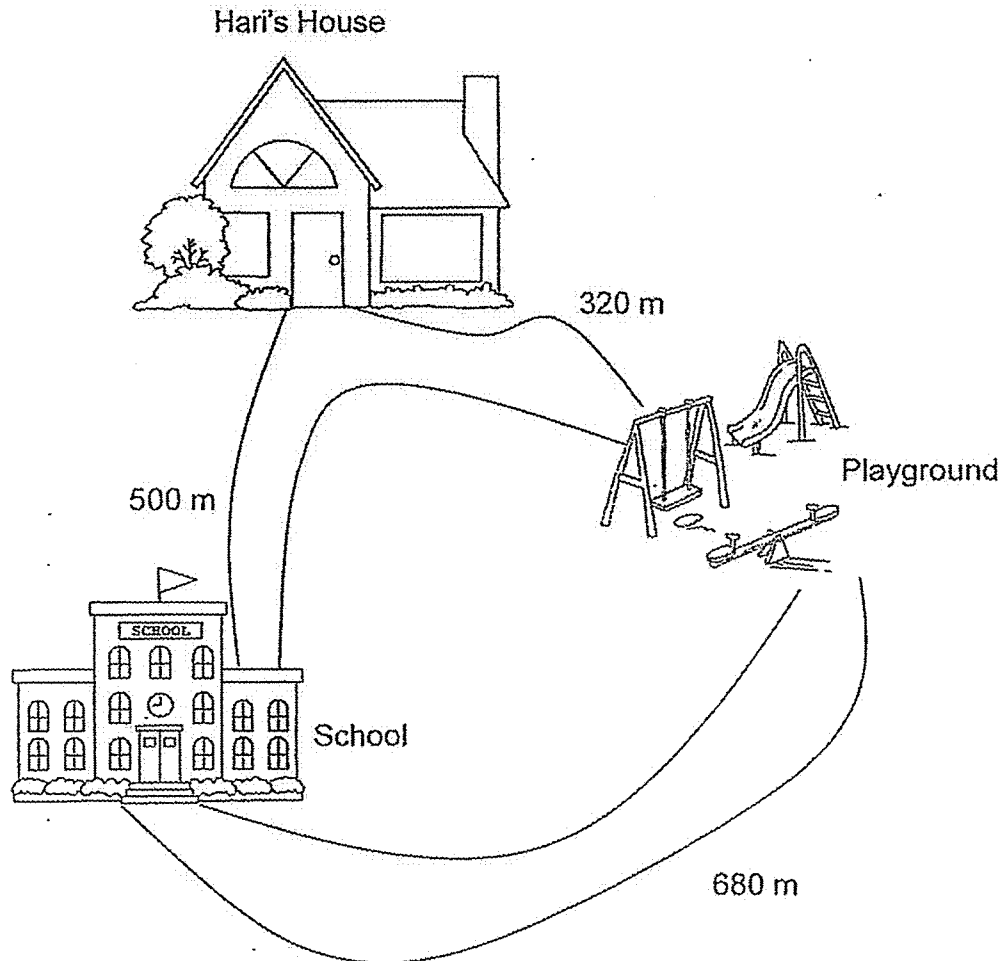
- (1) \$27
- (2) \$18
- (3) \$3
- (4) \$12

5. Mrs Gan told her pupils to show 4 m 3 cm in another way. Which pupil answered it correctly?

| Pupil     | Pupil's Answer |
|-----------|----------------|
| Annabelle | 43 cm          |
| Jenny     | 403 cm         |
| Weijie    | 430 cm         |
| Zakir     | 4003 cm        |

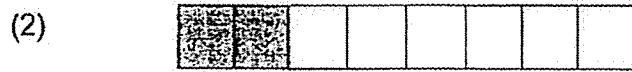
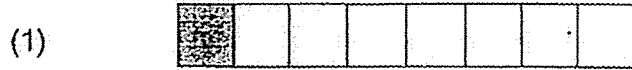
- (1) Annabelle
- (2) Jenny
- (3) Weijie
- (4) Zakir

6. Every day, Hari walks from his school to the playground before going home. What is the total distance he walks from his school to his house every day?

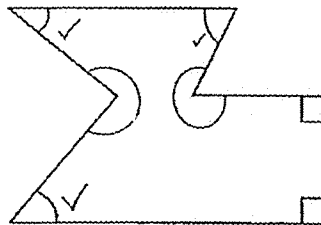


- (1) 820 m
- (2) 1000 m
- (3) 1180 m
- (4) 1500 m

7. Which of the following shows that  $\frac{1}{4}$  of the figure is shaded?

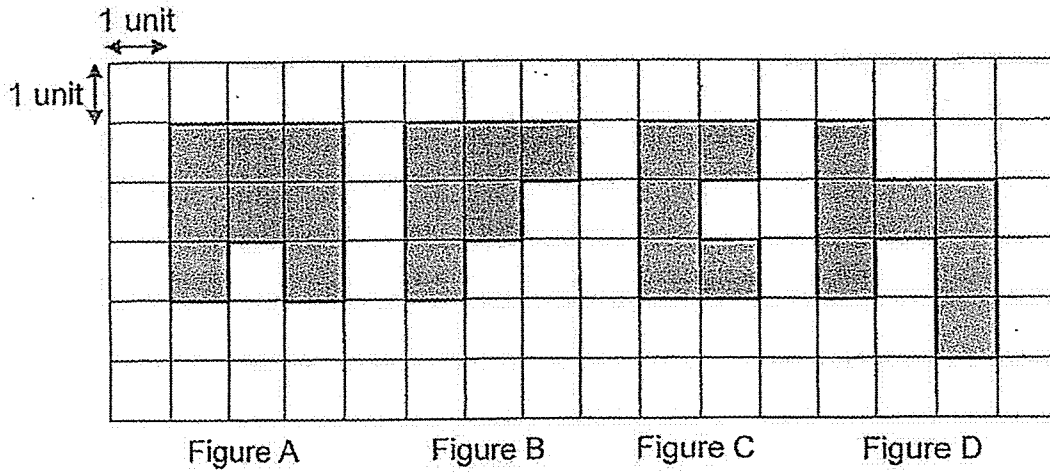


8. Look at the marked angles in the figure. How many of the marked angles are acute angles?

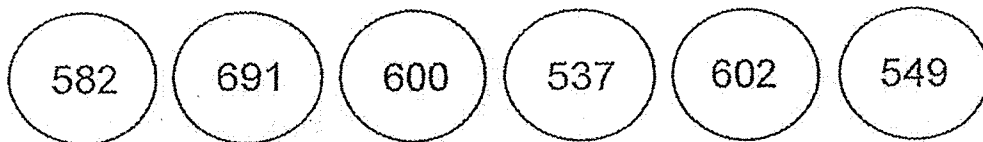


- (1) 5  
(2) 2  
(3) 3  
(4) 4

9. Which of the figures shown in the grid below has the largest area?



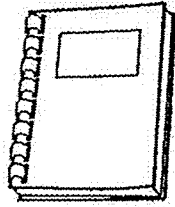
- (1) Figure A  
 (2) Figure B  
 (3) Figure C  
 (4) Figure D
10. Look at the numbers below.  
 What is the sum of the greatest and the smallest even number?



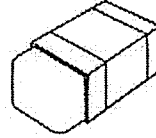
- (1) 1137  
 (2) 1184  
 (3) 1228  
 (4) 1273

11. Jiaxi was asked to choose a number. When he divided the number by 4, there was a remainder of 2. What was the number that Jiaxi chose?
- (1) 93
  - (2) 92
  - (3) 91
  - (4) 90
12. Mr Lee sold 2600 bookmarks. He sold 850 more bookmarks than Mr Ng. How many bookmarks did they sell altogether?
- (1) 1750
  - (2) 3450
  - (3) 4350
  - (4) 6050

13. Christine bought the two items below from the bookshop.



Notebook  
\$1.90



Eraser  
\$0.80

She gave the cashier two \$2-notes. How much change did she receive?

- (1) \$4.70
  - (2) \$2.70
  - (3) \$1.30
  - (4) \$0.70
14. Rajesh had \$84.20 at first. He spent \$38.50 on food. Then his mother gave him another \$20. How much did he have in the end?

- (1) \$142.70
- (2) \$65.70
- (3) \$45.70
- (4) \$25.70



15. Which 2 fractions below add up to 1 whole?

$$\frac{1}{2}$$

$$\frac{1}{3}$$

$$\frac{5}{6}$$

$$\frac{8}{12}$$

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

(2)  $\frac{1}{3}$  and  $\frac{5}{6}$

(3)  $\frac{1}{3}$  and  $\frac{8}{12}$

(4)  $\frac{5}{6}$  and  $\frac{8}{12}$

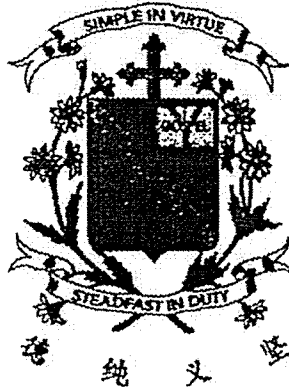
\*End of Booklet A\*



Name: \_\_\_\_\_ ( )

Class: Primary 3 \_\_\_\_\_

**CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)**



**Primary 3 Mathematics**

**2020 End-Year Assessment**

**Booklet B**

**27 October 2020**

|             |      |
|-------------|------|
| Booklet A : | / 30 |
| Booklet B : | / 50 |
| Total :     | / 80 |

\_\_\_\_\_  
Parent's/Guardian's Signature

**TOTAL TIME FOR BOOKLETS A AND B: 1 HOUR 45 MINUTES**

Do not turn over this page until you are told to do so.  
Follow all instructions carefully.  
Answer all questions.

This booklet consists of 14 printed pages.

**Section B (15 x 2 marks)**

Write down your answers in the spaces provided. For questions which require units, give your answers in the units stated. Show all workings clearly.

---

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16. Write six thousand and fifty-one in numerals.

Ans : \_\_\_\_\_

17. Arrange the numbers below in order, beginning with the greatest.

1873

1387

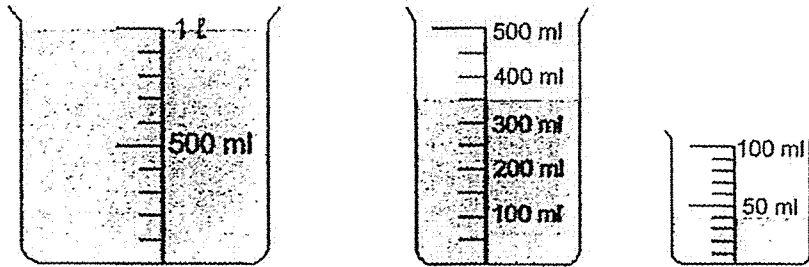
1738

1837

Ans: \_\_\_\_\_  
(Greatest)

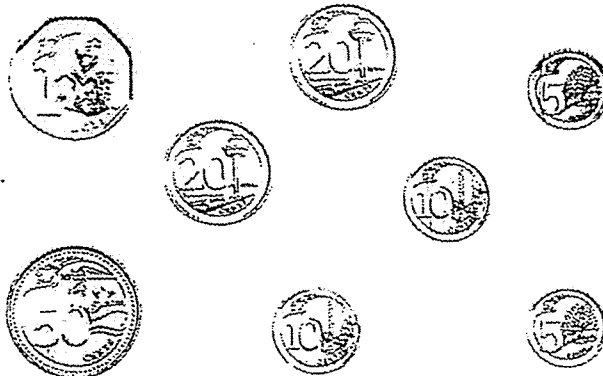
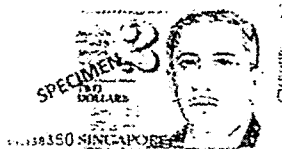
18. A pot of water was completely filled with water at first. All the water in the pot was poured into 3 smaller beakers, without spilling, as shown below. What is the capacity of the pot?

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Ans : \_\_\_\_\_ l \_\_\_\_\_ ml

19. Circle 1 note and 4 coins below to make \$3.25.

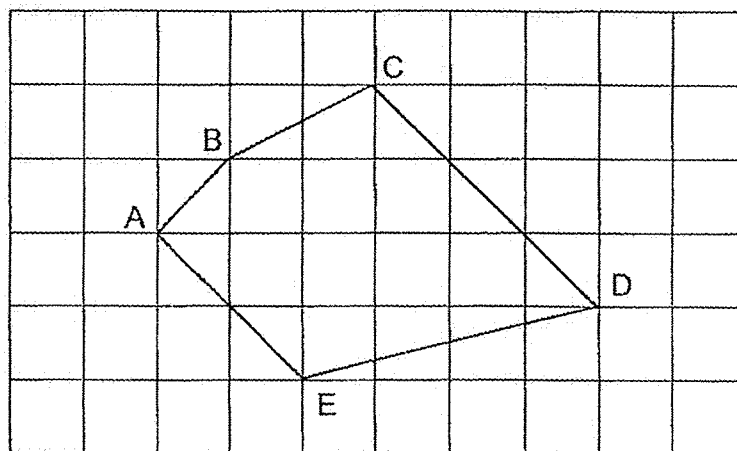


20. Express  $\frac{6}{10}$  in its simplest form.

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Ans : \_\_\_\_\_

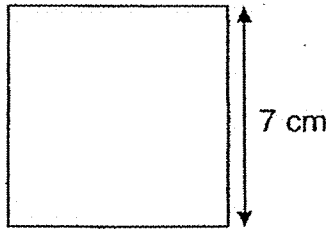
21. Study the figure below.



Which line is parallel to CD?

Ans : Line \_\_\_\_\_

22. Find the area of the square below.



Ans : \_\_\_\_\_ cm<sup>2</sup>

23. Nathan eats 1 apple every 2 days. How many apples does he eat at the end of 2 weeks?

Ans : \_\_\_\_\_

24.  $6 \times 9 = 2 \times 9 + \boxed{?}$

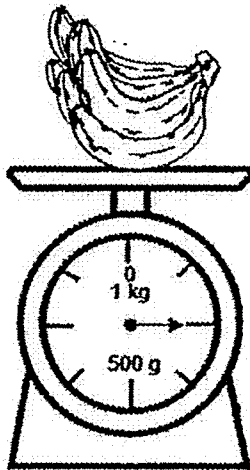
What is the missing number in the box?

Ans : \_\_\_\_\_

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25. The figure below shows the mass of 1 bunch of bananas. Find the mass of 3 such bunches of bananas.

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Ans : \_\_\_\_\_ g

26. A tank was filled with 14 ℓ of water at first. Kaixun poured 8 pails of water into the tank. Each pail contained 2 ℓ of water. What is the total amount of water in the tank now?

Ans : \_\_\_\_\_ ℓ





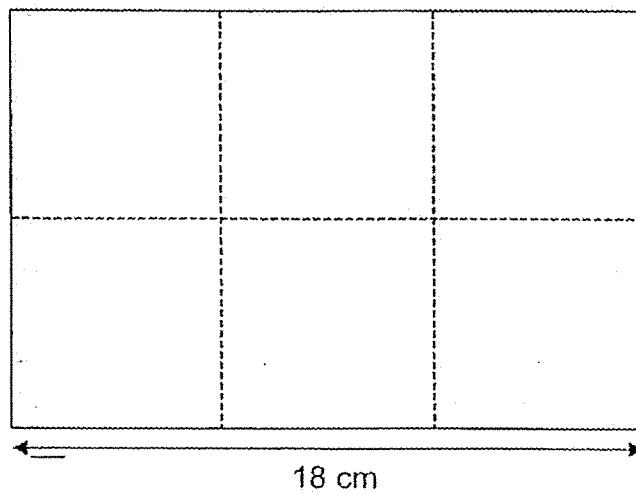
27. The figure is made up of similar squares. What fraction of the figure is unshaded?

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Ans : \_\_\_\_\_

28. The figure below is made up of 6 square cardboard pieces placed side by side. Find the perimeter of the figure.

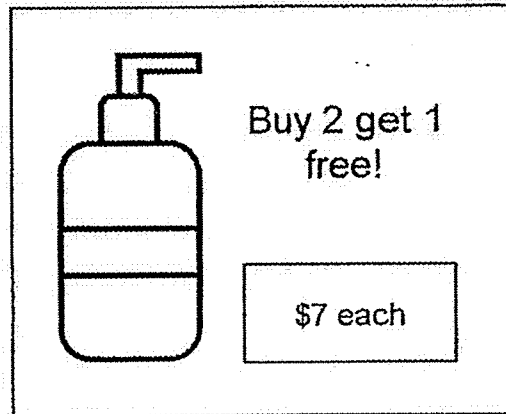


Ans : \_\_\_\_\_ cm



29. There is a sale at Beauty Shop. Enqi wants to get 4 bottles of shampoo from the shop. How much will she need to pay altogether?

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Ans : \$ \_\_\_\_\_

30. There were 3498 more visitors in Exhibition Hall A than in Exhibition Hall B. 480 visitors in Exhibition Hall A left and 634 visitors entered Exhibition Hall B. How many more visitors were there in Exhibition Hall A than in Exhibition Hall B in the end?

Ans : \_\_\_\_\_



**Section C (20 marks)**

For questions 31 to 36, show your workings 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.

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31. 495 pupils went to a concert. 162 of them were boys and the rest were girls.  
How many more girls than boys were there?

Ans : \_\_\_\_\_ [ 3 ]

32. Veera has twice as many straws as Lina. Minghao has twice as many straws as Veera. Minghao has 192 more straws than Lina. How many straws do they have altogether?

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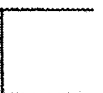
Ans : \_\_\_\_\_ [ 3 ]

☐

33. Shimin had some cookies. She ate 14 cookies. She and her 8 friends shared the rest of the cookies equally. Each of them received 12 cookies. How many cookies did Shimin have at first?

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Ans : \_\_\_\_\_ [ 3 ]



34. Raihan, Sherry and Tim had \$1920 altogether. Tim had \$120 less than Raihan. Raihan and Sherry had the same amount of money. How much money did Sherry have?

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Ans : \_\_\_\_\_ [3]



35. Aunty Linda had 160 g of sugar. She divided the sugar into 4 portions. She used 1 portion of sugar to make 5 cups of tea. She used an equal amount of sugar for each cup of tea. How much sugar did she use for each cup?

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Ans : \_\_\_\_\_ [ 4 ]



36. The figures below are made up of white and grey triangles. The figures follow a pattern.



Figure 1

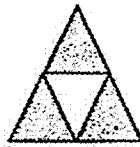


Figure 2

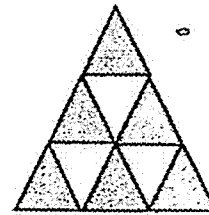


Figure 3

- (a) Study the pattern and complete the table below.

| Figure No. | No. of White Triangles | No. of Grey Triangles | Total No. of Triangles |
|------------|------------------------|-----------------------|------------------------|
| 1          | 0                      | 1                     | 1                      |
| 2          | 1                      | 3                     | 4                      |
| 3          | 3                      | 6                     | 9                      |
| 4          | 6                      | 10                    | 16                     |
| 5          | (      )               | (      )              | (      )               |

[ 1 ]

- (b) How many grey triangles are there in Figure 6?  
 (c) A figure has 64 triangles altogether. How many white triangles are there in this figure?

Ans : (b) \_\_\_\_\_ [ 1 ]

(c) \_\_\_\_\_ [ 2 ]

\*\*End of Paper\*\*

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## ANSWER KEY

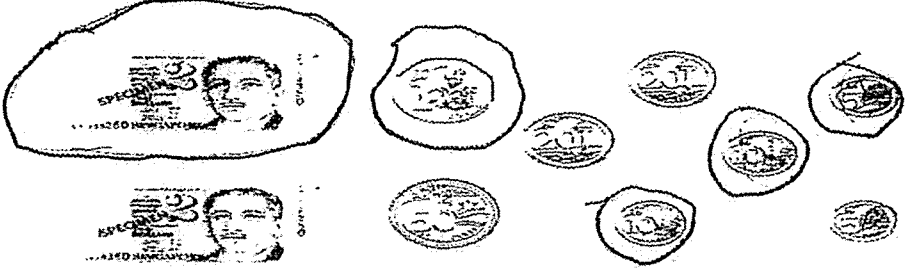
YEAR: 2020

SCHOOL: CHIJ ST NICHOLAS GIRLS' SCHOOL

SUBJECT: MATHEMATICS

TERM: END-YEAR ASSESSMENT

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

|     |                                                                                     |
|-----|-------------------------------------------------------------------------------------|
| Q16 | 6051                                                                                |
| Q17 | 1873, 1837, 1738, 1387                                                              |
| Q18 | 1l 390ml                                                                            |
| Q19 |  |
| Q20 | $\frac{3}{5}$                                                                       |
| Q21 | Line AE                                                                             |
| Q22 | $7 \times 7 = 49 \text{ cm}^2$                                                      |
| Q23 | $7 + 7 = 14$<br>$14 \div 2 = 7$                                                     |
| Q24 | $54 - 18 = 36$                                                                      |
| Q25 | $500 \div 4 = 125$<br>$125 \times 2 = 250$<br>$250 \times 3 = 750 \text{ g}$        |
| Q26 | $8 \times 2 = 16$<br>$16 + 14 = 30 \text{ l}$                                       |
| Q27 | $\frac{9}{16}$                                                                      |
| Q28 | $3 \div 18 = 6$<br>$6 \times 2 = 18$<br>$18 + 12 = 30$<br>$30 + 30 = 60 \text{ cm}$ |

|     |                                                                                                                                                                                                               |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q29 | $7 \times 3 = \$21$                                                                                                                                                                                           |
| Q30 | $3498 - 480 = 3018$<br>$3018 - 634 = 2384$                                                                                                                                                                    |
| Q31 | $495 - 162 = 333$<br>$333 - 162 = 171$<br>There are 171 more girls than boys.                                                                                                                                 |
| Q32 | 3 units $\rightarrow$ 192<br>$192 \div 3 = 64$<br>$64 \times 7 = 448$<br>They have 448 straws altogether.                                                                                                     |
| Q33 | $12 \times 9 = 108$<br>$108 + 14 = 122$<br>Shimin had 122 cookies at first.                                                                                                                                   |
| Q34 | $1920 + 120 = 2040$<br>$2040 \div 3 = 680$<br>Sherry have \$680                                                                                                                                               |
| Q35 | $160 \div 4 = 40$<br>$40 \div 5 = 8$<br>She used 8g of suger for each cup.                                                                                                                                    |
| Q36 | (a)(10)(15)(25)<br>(b) $15 + 6 = 21$<br>There are 21 grey triangles in figure 6<br>(c) $8 \times 8 = 64$ (figure 8)<br>$10 + 5 + 6 + 7 = 28$<br>There are 28 white triangles in the figure.<br>(b)21<br>(c)28 |