SINGAPORE CHINESE GIRLS' SCHOOL (PRIMARY)
PRIMARY 5 MATHEMATICS
TERM 2 WEIGHTED ASSESSMENT
FRACTIONS & AREA OF TRIANGLES

Name: _____ _____( ) Date: _____

Class: Primary 5

Duration: **25 minutes**
Calculators are <u>not allowed</u> for this paper.

Section A & B	/ 16
Section C	/ 14
Total	/ 30

Parent's Signature: _____ _____

Section A

Questions 1 to 4 carry 2 marks each.
For each question, four options are given. Choose the correct answer and write its number in the brackets provided. **(8 marks)**

1) How many ninths are there in $1\frac{4}{9}$?

1) 5
2) 13
3) 14
4) 4

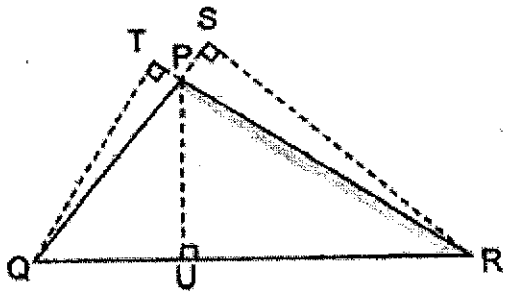
2) Anna had $\frac{5}{6}$ kg of flour. She used $\frac{1}{4}$ kg to make pancakes. How much flour had she left?

1) $\frac{5}{24}$ kg
2) $\frac{7}{12}$ kg
3) $\frac{15}{24}$ kg
4) $\frac{13}{12}$ kg

3) Express $\frac{13}{7}$ as a decimal correct to 2 decimal places.

1) 0.53
2) 0.54
3) 1.85
4) 1.86

4) In the figure below, PRQ is a triangle. If PR is the base of triangle PRQ, what is its height?



1) PQ
2) PU
3) QT
4) QR

Section B

Questions 5 to 8 carry 2 marks each. Show your working in the space provided below each question. Write your answers in the spaces provided. **(8 marks)**

5a) 5 pizzas were shared equally among 4 children. What fraction of the pizzas did each child get?

Ans: (a) _____

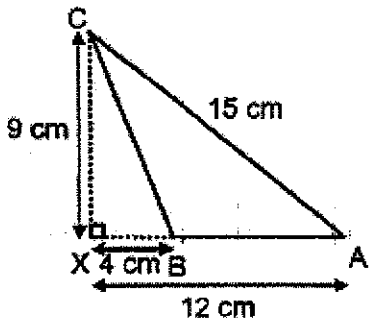
b) Find the value of $\frac{2}{5} \times 19$. Give your answer it its simplest form.

Ans: (b) _____

6) Mrs Raja has $4\frac{5}{12}$ m of blue ribbon. She has $1\frac{1}{2}$ m more blue ribbon than red ribbon. How much red ribbon does Mrs Raja have?

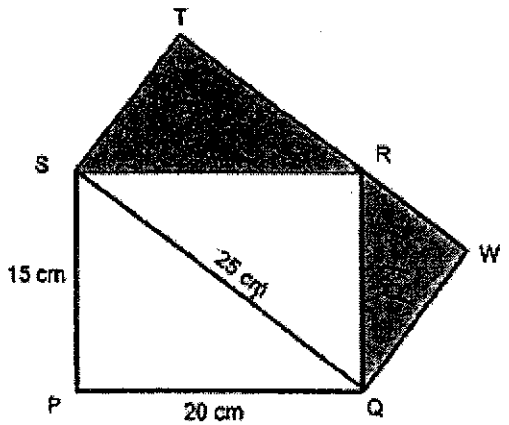
Ans: _____ m

7) Find the area of Triangle ABC.



Ans: _____ cm^2

8) In the figure below, PQRS and SQWT are rectangles and TRW is a straight line. Find the area of the shaded part.



Ans: _____ cm^2

END OF PAPER

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FRACTIONS, AREA OF TRIANGLES ~~& VOLUME~~

Name: _____ ( ) Date: _____

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/14

Section C
For questions **9** to **12**, show your working clearly in the space provided below each question. All steps should be clearly shown. Write your answers in the spaces provided. The number of marks for each question is indicated in brackets [ ] at the end of each question or part question. **(14 marks)**

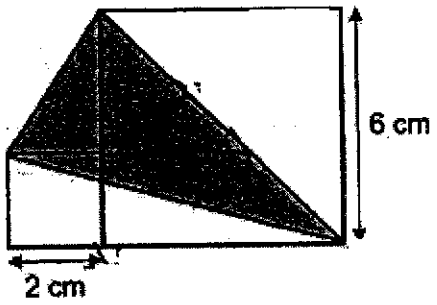
9) Mr Tan had 2850 apples and pears. After he sold $\frac{1}{3}$ of the apples and $\frac{2}{5}$ of the pears, he had an equal number of apples and pears left. How many apples did he have at first?

Ans: _____ [3]

10) Lina has some white, black and red buttons in her shop. There are 360 white buttons. $\frac{1}{5}$ of the remaining buttons are black and rest of the buttons are red. If $\frac{2}{5}$ of the buttons are red buttons, how many buttons are there altogether?

Ans: _____ [3]

11) The figure shows two squares and a shaded triangle. The big square has a length of 6 cm while the small square has a length of 2 cm. Find the shaded area.



Ans: _____ [4]

12) Alex spent $\frac{1}{6}$ of his money on a book and $\frac{2}{5}$ of the remaining money on some food. His father then gave him another $30 and he had $6 more than what he had at first. How much money did Alex have at first?

Ans: _____ [4]

END OF PAPER

Please check your work

SCHOOL : SINGAPORE CHINESE GIRLS PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2021 WA2

SECTION A

Q 1	Q2	Q3	Q4
2	2	4	3

SECTION B

Q 5a)	$1\frac{1}{4}$
Q5b)	$7\frac{3}{5}$
Q6	4 × 12 = 48 48 + 5 = 53 $\frac{53}{12} - \frac{18}{12} = \frac{35}{12} = 2\frac{11}{12}$
Q7	Area of ABC → $\frac{1}{2}$ × 4 × 9 = 36
Q8	15 × 20 = 300 300 ÷ 2 = 150 $\frac{1}{2}$ × 12 × 25 = 150 (SRQ) 150 × 2 = 300 300 ÷ 25 = 12 25 × 12 = 300 (SQWT) 300 – 150 = 150
Q9	Q: 3U | 3U P: 2U | 2U | 2U LCM of 2 and 3: 6 Before: Apples: 3U × 3 = 9U Pears: 2U × 5 = 10U Total: 19U 19U → 2850 1U → 2850 ÷ 19 = 150 9U → 150 × 9 = 1350 apples
Q10	

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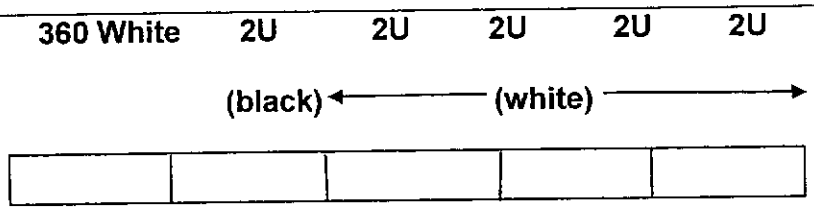
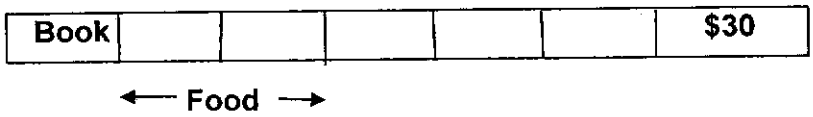
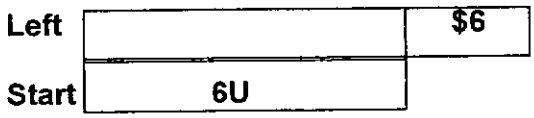


5 × 2 = 10
Total → 5 × 4 20

20U – 10U = 10U
10U → 360
1U → 360 ÷ 10 = 36
20U → 36 × 20 = 720
</td></tr>
<tr><td>Q11</td><td>$\frac{1}{2}$ × 6 × 6 = 18
$\frac{1}{2}$ × 8 × 2 = 8
Total → 18 + 8 = 26
6 × 6 = 36
2 × 2 = 4
$\frac{1}{2}$ × 2 × 4 = 4
Total → 36 + 4 + 4 = 44
44 – 26 = 18cm^2</td></tr>
<tr><td>Q12</td><td>




3U + 30 = 6U + 6
30 – 6 = 6U – 3U
3U → 24
1U → 24 ÷ 3 = 8
6U → 8 × 6 = $48
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