

Name : \_\_\_\_\_

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

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



**PRIMARY 3**

**SEMESTRAL ASSESSMENT TWO**

**MATHEMATICS**

**29 OCTOBER 2010**

Section A :	/ 40
Section B & C :	/ 60
Total Marks:	/ 100

\_\_\_\_\_  
Parent's Signature

Duration of Paper : 1h 45min

Do not open the booklet until you are told to do so.  
Follow all instructions carefully.

*This paper consists of 22 printed pages including the cover page.*

**Section A: (20 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. In 9256, the digit 2 is in the \_\_\_\_\_ place.

(1) ones

(2) tens

(3) hundreds

(4) thousands

2. 7832 is 40 tens less than \_\_\_\_\_.

(1) 7792

(2) 7432

(3) 7872

(4) 8232

3. The mass of a 15-cm plastic ruler is about \_\_\_\_\_.

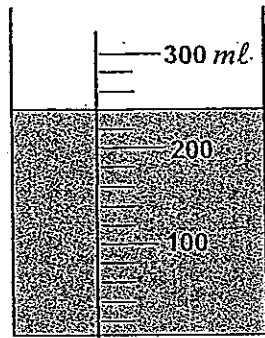
(1) 10 g

(2) 10 kg

(3) 100 g

(4) 100 kg

4. What is the volume of water in the beaker?



(1) 220 ml

(2) 240 ml

(3) 330 ml

(4) 360 ml

5. The quotient of  $919 \div 9$  is equal to the product of 2 and \_\_\_\_\_.

(1) 51

(2) 102

(3) 52

(4) 103

6. 13 minutes to 12 midnight is written as \_\_\_\_\_

(1) 12.13 a.m.

(2) 12.13 p.m.

(3) 11.47 a.m.

(4) 11.47 p.m.

7. How many eights are there altogether in the sum of 134 and 58?

(1) 24

(2) 26

(3) 192

(4) 1536

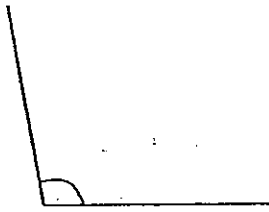
8. What are the missing numbers in the boxes below?

$$\frac{\boxed{A}}{5} = \frac{12}{15} = \frac{20}{\boxed{B}}$$

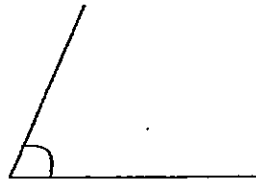
	A	B
1)	3	16
2)	3	25
3)	4	16
4)	4	25

9. Which one of the following angles is the biggest ?

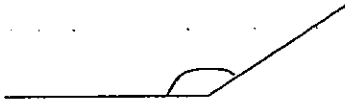
(1)



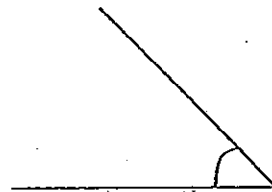
(2)



(3)



(4)



10. Miss Lim bought some cupcakes for her pupils. If she gives each pupil 6 cupcakes, she would have 12 cupcakes left. If she gives each pupil 8 cupcakes, she would need another 2 cupcakes. What was the smallest possible number of pupils Miss Lim had?

(1) 4

(2) 5

(3) 6

(4) 7

11. Siti had twenty 50-cent coins. She bought a notebook for \$2.90 and two erasers at 80 cents each. How many 50-cent coins did she have left?

(1) 9

(2) 11

(3) 45

(4) 55

12. The capacity of a tank is 8  $\ell$ . The tank contained some water. Mr Lim poured 3  $\ell$  56  $ml$  of water into the tank. John poured another 4 bottles of water into the tank to fill it to the brim. Each bottle contained 750  $ml$  of water. How much water was in the tank at first?

(1) 1944  $\ell$

(2) 1944  $ml$

(3) 4194  $ml$

(4) 5000  $ml$

13. Ali had 3 strings of different lengths. String A was 7 m 6 cm. String B was 54 cm shorter than String A. String C was twice as long as String B. What was the total length of the 3 strings?

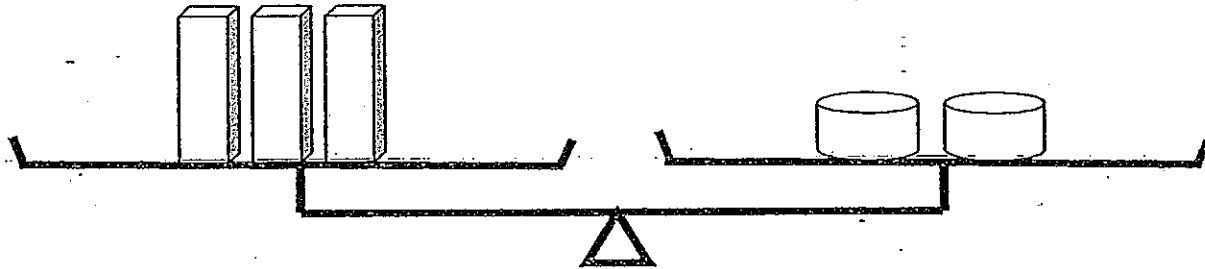
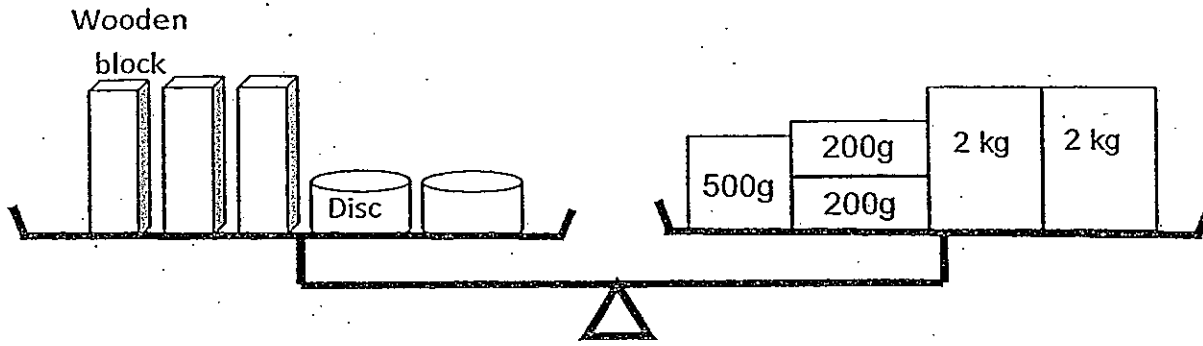
(1) 6 m 52 cm

(2) 13 m 4 cm

(3) 19 m 56 cm

(4) 26 m 62 cm

14. Study the figure below. What is the mass of each disc?



(1) 9 kg 800 g

(2) 4 kg 900 g

(3) 2 kg 450 g

(4) 1 kg 225 g

15. Which one of the following fractions is greater than  $\frac{1}{5}$  but smaller than

$\frac{2}{5}$ ?

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

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

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

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

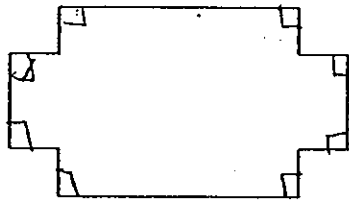
16. – Selvi took 6 h 25 min to travel from Country S to Country X. He reached Country X at 11.15 a.m. At what time did he leave Country S?

- (1) 4.50 a.m.                      (2) 5.55 a.m.  
(3) 4.50 p.m.                      (4) 5.55 p.m.

17. Priscilla is 25 years old and Angelina is 19 years old. How many years ago was Priscilla thrice as old as Angelina?

- (1) 3                                      (2) 6  
(3) 12                                    (4) 16

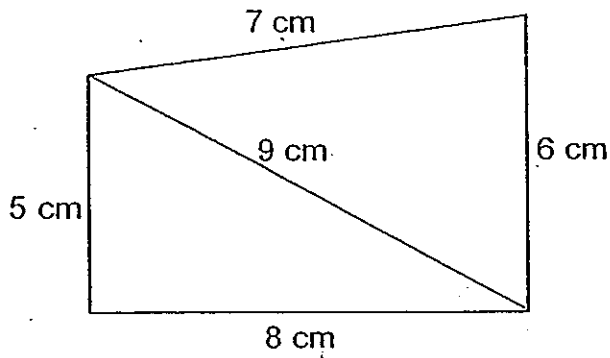
18. How many right angles are there inside the figure?



- (1) 4                                      (2) 8  
(3) 12                                    (4) 16

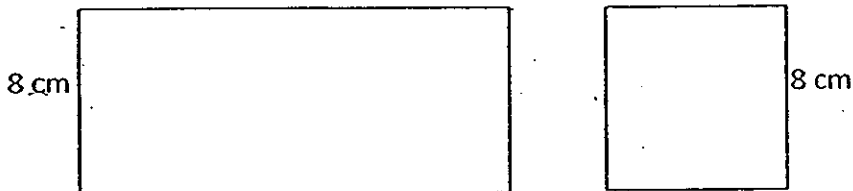


19. The figure below is not drawn to scale.  
Find the perimeter of the figure.



- (1) 26 cm                      (2) 35 cm  
(3) 42 cm                      (4) 56 cm

20. The perimeter of the rectangle is twice the perimeter of the square. Find the area of the rectangle.



- (1) 24 cm<sup>2</sup>                      (2) 64 cm<sup>2</sup>  
(3) 128 cm<sup>2</sup>                      (4) 192 cm<sup>2</sup>

Section B: (20 x 2 marks)

Write down your answers in the spaces provided.  
Show all workings and steps clearly.

Do not  
write in  
this  
space

1. Find the missing number in the number pattern.

8150, 7130, 6090, 5030,    ? , 2850

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

2. What are the missing digits?

$$\begin{array}{r} 4 \quad \boxed{A} \quad 6 \\ + \quad 8 \quad 8 \quad \boxed{B} \\ \hline 1 \quad 3 \quad 6 \quad 7 \end{array}$$

Ans: A = \_\_\_\_\_

B = \_\_\_\_\_

3.  $\boxed{?} \div 8 = 142 \text{ remainder } 6$

What is the missing number ?

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

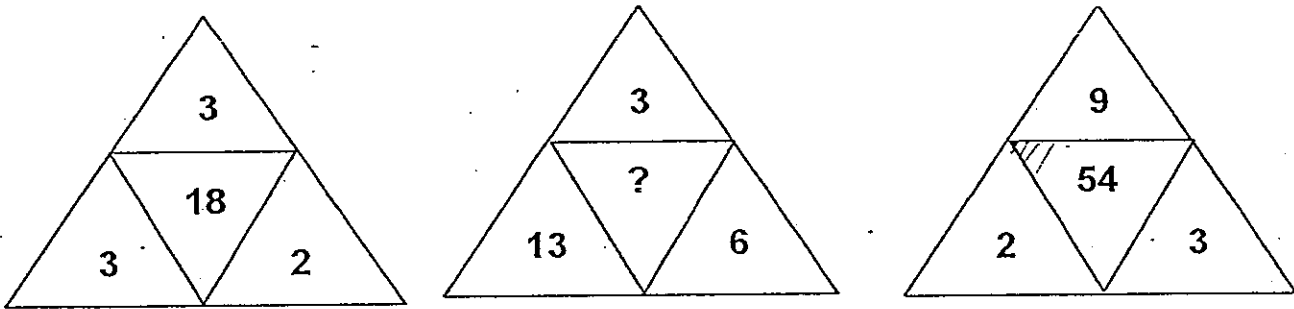


24. Mrs Long needs to bake 500 muffins for sale at a funfair. She has baked a total of 404 muffins. She takes 30 min to bake 12 muffins. How many more hours will she need to complete baking the muffins?

Do not write in this space

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

- 25 Study the figure below. Find the missing number.



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



Do not  
write in  
this  
space

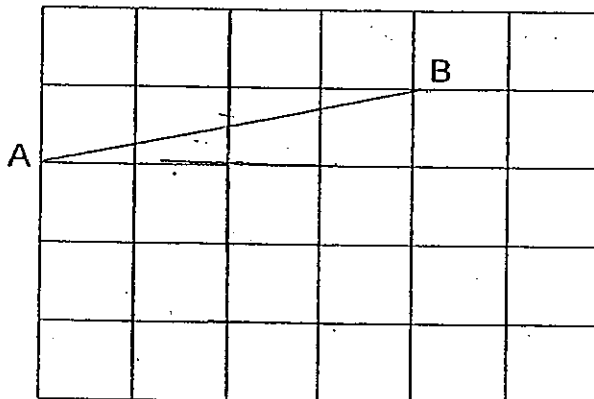
26. Mrs Tan told Sarah to place some trophies on 7 shelves. Sarah placed 1 trophy on the first shelf, 3 trophies on the second shelf and 5 trophies on the third shelf. If she were to continue in this pattern, how many trophies did she place on the 7<sup>th</sup> shelf?

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

27. I am thinking of a 2-digit odd number.  
If I multiply it by 5, the answer is less than 140.  
If I multiply it by 4, the answer is more than 100.  
The sum of the 2 digits in the number is 9.  
What number am I thinking of?

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

28. Draw a line perpendicular to AB.



9. Jiemin used her 3 fifty-dollar notes and some ten-dollar notes to buy a bag which cost \$460. How many ten-dollar notes did she use?

Do not  
write in  
this  
space

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

10. Susan receives \$12 from her parents each day. She spends \$7 and saves the rest every day. At least how many days will Susan take to save \$252?

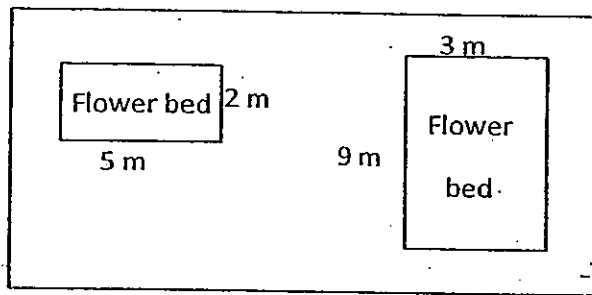
Ans: \_\_\_\_\_ days

11. 8 people are standing in a line. There are 2 people between Cindy and Kelly. Brian is behind Kelly. Eloise is first from the left and Kelly is third from the right. How many people are there between Eloise and Kelly?

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



32. The figure below shows the layout of Arwen's garden. Arwen wants to fence the 2 rectangular flower beds in her garden. How much fencing will she require in all?



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

33.  $\frac{1}{2}$  of a piece of cloth was used to make curtains while  $\frac{3}{10}$  of it was used to make cushion covers. What fraction of the cloth was not used?

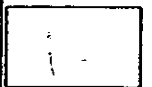
Ans: \_\_\_\_\_

34. Arrange the fractions in order. Begin with the smallest.

$$\frac{4}{7}, \quad \frac{1}{3}, \quad \frac{4}{5}$$

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

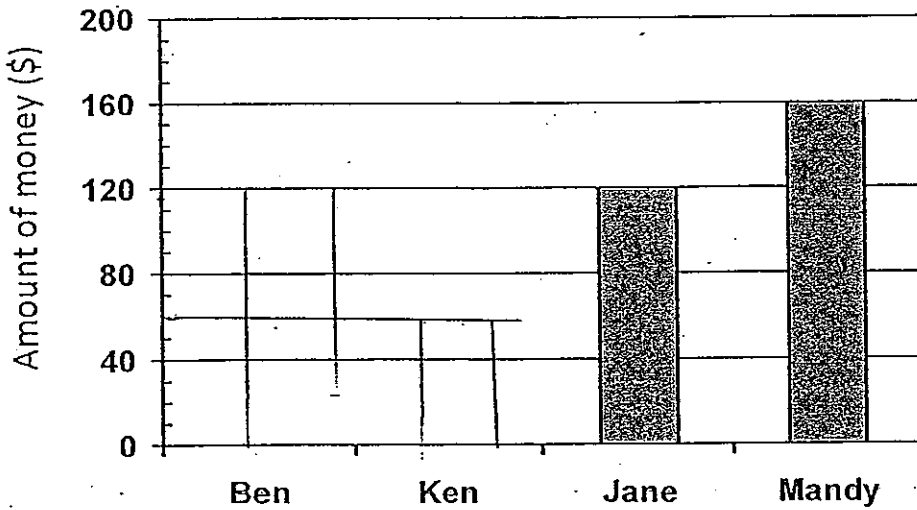
Do not  
write in  
this  
space



Study the graph below and answer Questions 35 and 36.

The graph below shows the amount of savings 4 children saved each month. They saved a total of \$590.

Do not  
write in  
this  
space



35. Ben saved \$60 more than Ken. How much money did Ben save?

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

36. How much money would the 4 children save in all in half a year?

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



Do not  
write in  
this  
space

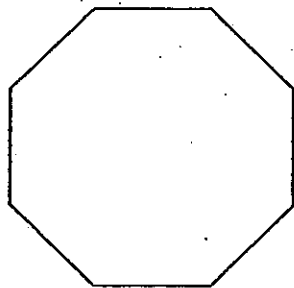
7. Xiaomei cut a pie into 18 equal pieces and ate 1 piece. Alvin and Mobeen each ate 1 piece. Leksmi ate 2 pieces. Xiaomei gave 3 pieces to her neighbour. What fraction of the pie is left? Give your answer in the simplest form.

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

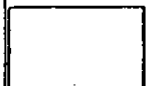
8. Peter's watch shows 15 minutes past 8. It is 20 minutes slow. He took 45 minutes to get to the library. What was the actual time he arrived at the library?

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

9. The figure below is made up of 8 equal sides. The total length of 3 of its sides is 84 m. What is the perimeter of the figure?

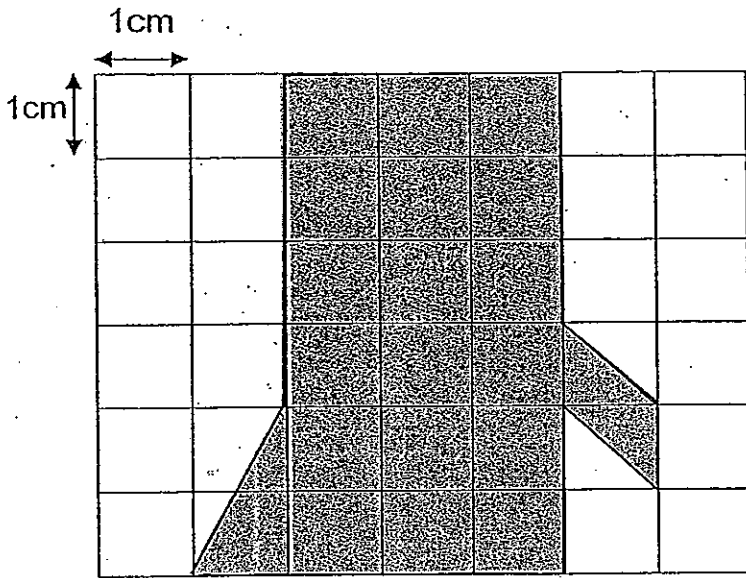


Ans: \_\_\_\_\_ m





0. Find the area of the shaded figure.



Do not  
write in  
this  
space

Ans: \_\_\_\_\_  $\text{cm}^2$



**Section C: (5 x 4 marks)**

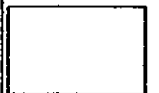
Solve ALL of the following problems.

All mathematical workings and statements must be shown clearly.

Do not  
write in  
this  
space

41. Cassandra had 10 bottles. She poured 500 *ml* of fruit juice equally into each bottle. She had 3 *l* 25 *ml* of fruit juice left. How much fruit juice did she have at first? Give your answer in *l* and *ml*.

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



42. There were 3000 people at a furniture exhibition. The number of women was twice the number of girls. There were 237 more men than boys at the exhibition. If there were 894 boys at the exhibition, how many girls were at the exhibition?

Do not  
write in  
this  
space

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

43. Kevin works in a café. The table below shows the number of hours he works in a week.

Day	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Number of hours	4 h	6 h	5 h 30 min	-	6 h 30 min	8 h	12 h

Kevin is paid \$8 per hour. How much money does he earn in a month?  
(Note : There are 4 weeks in a month.)

Do not  
write in  
this  
space

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



14. - Mrs Hoe had a total of twenty \$10-notes and \$5-notes. The total value of all the notes was \$120. How many \$10-notes did she have?

Do not  
write in  
this  
space

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

15. Study the pattern below carefully.

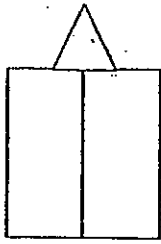


Figure 1

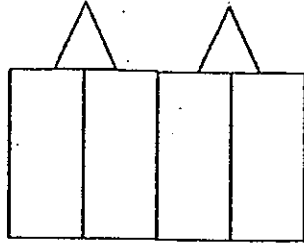


Figure 2

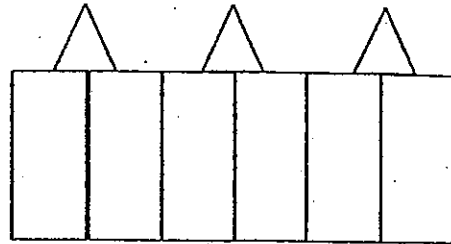


Figure 3

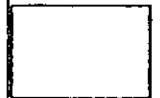
Figure 1 is made up of 2 rectangles and 1 triangle. Figure 2 is made up of 4 rectangles and 2 triangles and Figure 3 is made up of 6 rectangles and 3 triangles.

How many rectangles and triangles will there be in Figure 10?

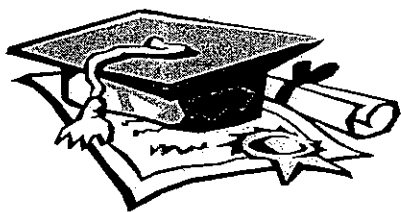
Do not  
write in  
this  
space

Ans: Rectangles - \_\_\_\_\_

Triangles - \_\_\_\_\_



- END OF PAPER -

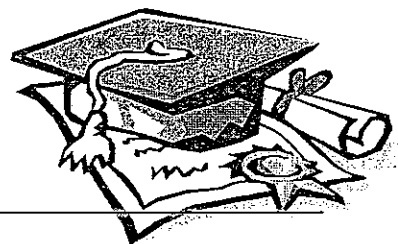


# ANSWER SHEET

**EXAM PAPER 2010**

**SCHOOL : CHIJ ST NICHOLAS GIRLS' PRIMARY**  
**SUBJECT : PRIMARY 3 MATHEMATICS**

**TERM : SA2**



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

Q18	Q19	Q20
2	1	4

21) 3950

22)  $A = 8, B = 1$

23) 1142

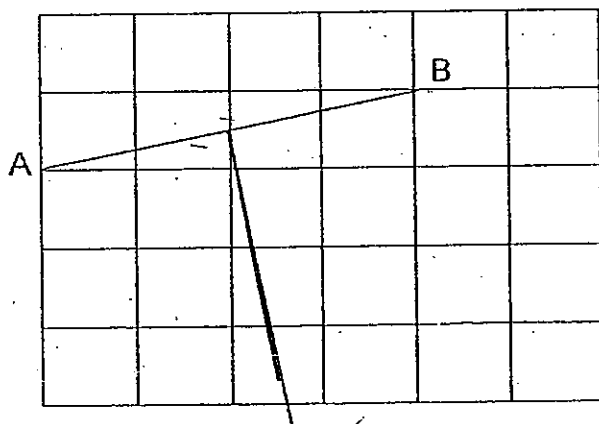
24) 4

25) 117

26) 13

27) 27

28)



29) 31

30) 51

31) 4

32) 38

33)  $1/5$

34)  $1/3, 4/7, 4/5$

35) \$185

36) \$3540

37)  $5/9$

38) 9.20

39) 224

40) 20

<p>41) <math>500\text{ml} \times 10 = 5000\text{ml}</math>  <math>5000\text{ml} + 3025\text{ml} = 8025\text{ml}</math>  <math>= \underline{8 \text{ litres } 25\text{ml}}</math></p>	<p>42) no. of boys &amp; men <math>\rightarrow 894+894+237</math>  <math>= 2025</math>  No. of girls &amp; women <math>\rightarrow 3000 - 2025</math>  <math>= 975</math>  No. of girls <math>\rightarrow 975 \div 3</math>  <math>= \underline{325}</math></p>
<p>43) no. of hours he works a week:  <math>4+6+5.5+6.5+8+12 = 42 \text{ hours}</math>  Money earned per week <math>\rightarrow 42 \times \\$8</math>  <math>= \\$ 336</math>  Money earned per month <math>\rightarrow \\$336 \times 4</math>  <math>= \underline{\\$1344}</math></p>	<p>44) She has <u>4</u> \$10-notes.</p>
<p>45) no. of rectangles: <u>20</u>  No. of triangles: <u>10</u></p>	