Rosyth School
Second Continual Assessment 2011
Primary 5 Standard Mathematics

Name: _____ Register No. _____

Class: Pr 5 - _____

Date: 23 Aug ~~2010~~ 2011 Parent's Signature: _____

Total Time for Booklets A and B : 50 min

PAPER 1
(Booklet A)

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. Shade your answers in the Optical Answer Sheet (OAS) provided.
4. You are **not** allowed to use a calculator
5. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet A)	~~15~~	

* This booklet consists of 9 pages (excluding this cover page)

/ 0 /

Questions **1** to **10** carry 1 mark each. Questions **11** to **15** 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.

(20 marks)

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1 Round off 467 836 to the nearest ten thousands.

(1) 460 000

(2) 467 000

(3) 468 000

(4) 470 000

2 What is the value of 7 ones, 5 tenths and 3 thousandths?

(1) 0.753

(2) 7.053

(3) 7.503

(4) 7.530

3 $8\frac{1}{4} - 2\frac{5}{12} = \boxed{?}$ What is the missing fraction in the box?

(1) $5\frac{7}{12}$

(2) $5\frac{5}{6}$

(3) $6\frac{1}{6}$

(4) $6\frac{5}{6}$

4 Express $\frac{3}{25}$ as a percentage.

(1) 3%

(2) 12%

(3) 15%

(4) 25%

5 Express 0.2 as a percentage.

(1) 0.2 %

(2) 2 %

(3) 20 %

(4) 200 %

6 6.52 x ☐ = 6520

The missing number is the box is _____ .

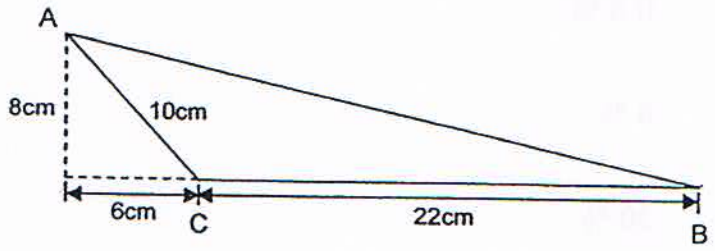
(1) 10

(2) 100

(3) 1000

(4) 10 000

7 The area of triangle ABC is _____ cm².



(1) 24

(2) 88

(3) 110

(4) 120

8 A fruit seller sold the following number of fruits in a day.

Type of fruits	Number of fruits sold
Apple	360
Orange	420
Peach	240

What is the ratio of the number of apples sold to the number of peaches sold?

(1) 2 : 3

(2) 3 : 2

(3) 6 : 7

(4) 7 : 4

105

9 Express 300 grams as a percentage of 1 kilogram.

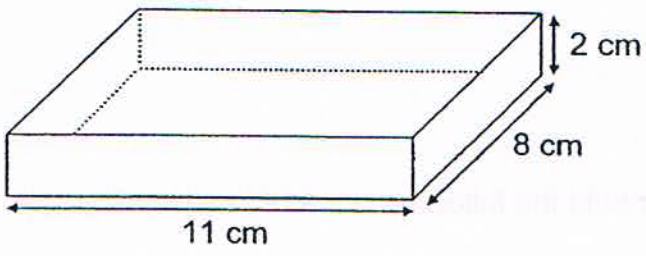
(1) 0.3 %

(2) 3 %

(3) 30 %

(4) 300 %

10 How many 1-cm cubes can be fit into a box measuring 11 cm by 8 cm by 2 cm?



(1) 16

(2) 22

(3) 88

(4) 176

11 Which one of the following fractions has the biggest value?

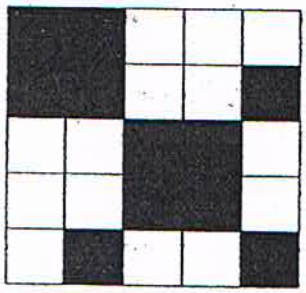
(1) $\frac{1}{2}$

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

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

(4) $\frac{4}{9}$

12 What percentage of the figure is shaded?



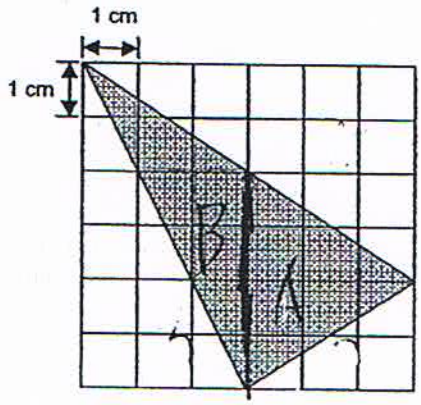
(1) 11 %

(2) 25 %

(3) 44 %

(4) 55 %

13 Find the area of the shaded triangle.



(1) 9 cm^2

(2) 12 cm^2

(3) 18 cm^2

(4) 24 cm^2

14 3.5 kg of white sugar are mixed with 5 times as much flour. The mixture is packed equally into 10 packets. How many kilograms of mixture does each packet contain?

(1) 1.75 kg

(2) 2.1 kg

(3) 17.5 kg

(4) 21 kg

15 Aisyah used red, yellow and blue beads to make a necklace. The ratio of number of red beads to the number of yellow beads to the number of blue beads used was 9 : 4 : 7. If there was a total of 260 beads, how many more red than blue beads did she use?

(1) 13

(2) 26

(3) 39

(4) 65

(Go on to Booklet B)

Rosyth School
Second Continual Assessment 2011
Primary 5 Standard Mathematics

Name: _____ Register No. _____

Class: Pr 5 · _____

Date: 23 Aug 2011 Parent's Signature: _____

Total Time for Booklets A and B : 50 min

PAPER 1
(Booklet B)

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. You are **not** allowed to use a calculator
4. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet B)	28	

* This booklet consists of 5 pages (including this cover page)

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Questions **16** to **25** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

16. Find the product of 2.658 and 400

Ans: _____

17. Express 51 kg 31 g in kilograms.

Ans: _____ kg

18. During a charity drive, five boys collected a total of $5160 in six weeks. What was the average amount each boy collected in a week?

Ans: $ _____

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113

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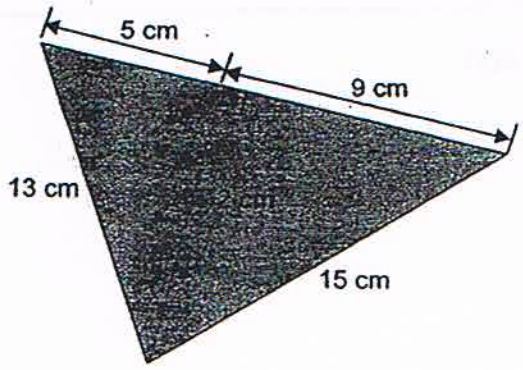
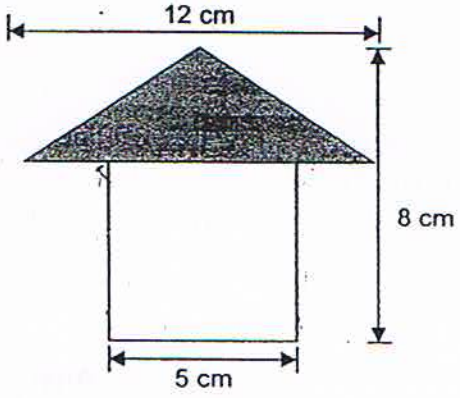
19. Find the area of the shaded triangle.



Ans: _____ cm^2

20. The figure is made up of a square and a triangle. Find the area of the triangle.



Ans: _____ cm^2

21. Find the value of 16% of $650.

Ans: _____

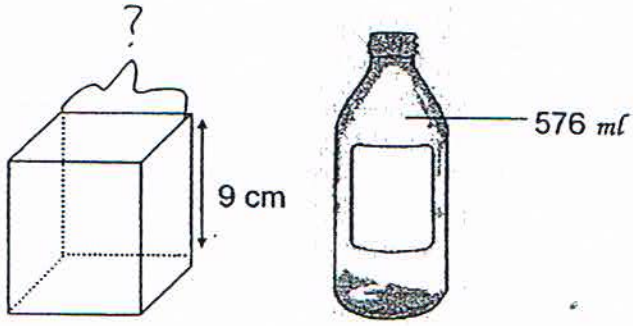
22. Tina and Pat shared some cupcakes in the ratio of 4 : 7. Then Tina gave $\frac{2}{3}$ of her cupcakes to Pat. What is the new ratio of the number of Tina's cupcakes to the number of Pat's cupcakes?

Ans: _____

23. Helmi and Indra shared some marbles in the ratio of 1: 4. Helmi bought 18 more marbles while Indra lost 18 of his marbles. Now the two boys have the same number of marbles. How many marbles did they have at first?

Ans: _____

24. All the water from the bottle is poured into a square-based container without spilling. The height of the container is 9 cm. What is the length of the container?



Ans: _____ cm

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115

Bala turns

25. An empty rectangular tank measures 30 cm by 20 cm by 10 cm. ~~Balaturns~~ on the tap and let the water flow into the tank. Every 1 minute, only 500 ml of water flow from the tap into the tank. How long will it take to fill half the tank?

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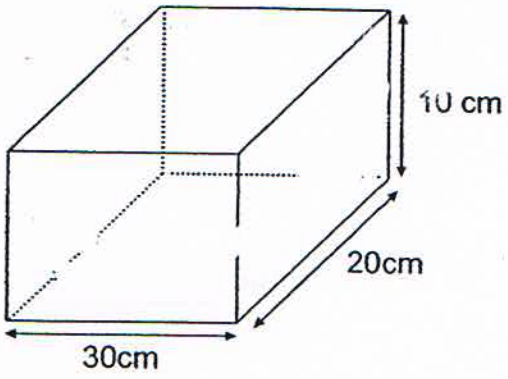

Ans: _____ min

Questions **26** to **30** carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

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26. Mr Tan had 570 g of sugar. He poured the sugar into 9 packets. Each packet contained 0.05 kg of sugar. How many grams of sugar was left?

Do not write in this space

Ans: _____ g

27. Mrs Ng bought $\frac{4}{5}$ metres of ribbon. She used $\frac{2}{3}$ of it to wrap presents for her children. How many metres of ribbon was she left with?

Ans: _____

28. There are 160 pages in a story book. 20% of the pages have pictures on them. How many pages **do not** have pictures on them?

Ans: _____

Do not write in this space

117

29. Bottle A contained 1200 ml of water and Bottle B contained 5.5 ℓ of water. After some water is removed from Bottle B, Bottle B now has three times as much water as Bottle A. How much water was removed from Bottle B in millilitres?

Ans: _____ *ml*

30. A box of stationery contains 3 pens and 4 markers. The box of stationery is sold at $8 for 3 boxes. Shanti paid $120 for a number of such boxes. How many pens did she get?

Ans: _____

End of Paper

Rosyth School
Second Continual Assessment 2011
Primary 5 Standard Mathematics

Name: _____ Register No. _____

Class: Pr 5 - _____

Date: 23 Aug 2011 Parent's Signature: _____

Time: 1 h ~~50~~ 40 min

PAPER 2

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. **Show your workings clearly** as marks are awarded for correct working.
4. Write your answers in this booklet.
5. You are allowed to use a calculator
6. Answer all questions.

Questions	Maximum Mark	Marks Obtained
Q 1 to 5	10	
Q 6 to 18	50	

Section	Maximum Mark	Marks Obtained
Paper 1	40	
Paper 2	60	
Total	100	

* This booklet consists of 10 pages (excluding this cover page)

Questions **1** to **5** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

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1. Mdm Siti bought 8.53 kg of grapes. She gave some grapes to her neighbour and shared the remaining grapes equally with her sister. If her sister received 3200 g of grapes, how many kilograms of grapes did she give her neighbour?

Ans: _____ kg

2. The usual price of a dress was $120. There was a 30% discount on the dress during a sale. How much did Sally pay for the dress during the sale?

Ans: $ _____

(Go on to the next page)

121

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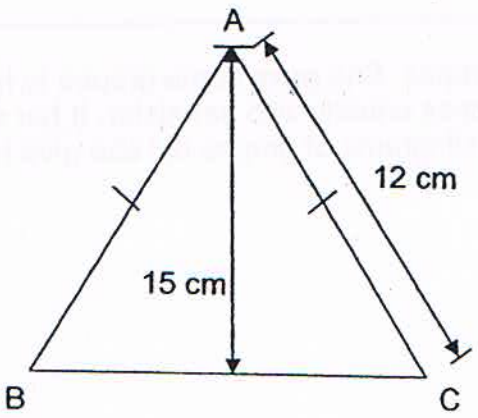
3. The perimeter of triangle ABC is 33 cm. Find the area of triangle ABC.



Ans: _____ cm^2

4. A chocolate cake is cut into 2 equal slices. A walnut cake of the same mass is cut into 6 equal slices. Each slice of the chocolate cake is 540g heavier than each slice of the walnut cake. What is the actual mass of the chocolate cake?

Ans: _____ g

(Go on to the next page)

5. A fruit seller had 1260 fruits. $\frac{2}{3}$ of them were apples and the rest were pears.

He threw some apples away as they were rotten. The ratio of the number of apples to the number of pears became 5 : 3. How many rotten apples did he throw away?

Ans: _____

Do not write in this

(Go on to the next page)

Questions **6** to **18**, show your working clearly in the space provided for each question 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.

(50 marks)

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6. Each of the figures below is made up of a number of identical sticks.

Figure 1

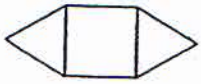

Figure 2

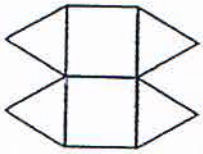

Figure 3

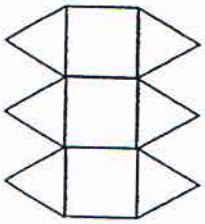

Figure	Number of squares	Number of triangles	Number of sticks
1	1	2	8
2	2	4	15
3	3	6	22

a) What is the number of triangles in Figure 8?

b) How many sticks are needed to form Figure 8?

Ans: (a) _____ [1m]

(b) _____ [2m]

(Go on to the next page)

7 Dan and Mano had 153 stamps altogether. $\frac{1}{3}$ of Dan's stamps was equal to $\frac{4}{5}$ of Mano's stamps. How many more stamps did Dan have than Mano?

Do not write in this space

Ans: _____

8 A bag has 2 600 coins. 70% are 50 cents coins while the rest are 5 cents coins. What is the value of all the coins in the bag?

Ans: _____ [3m]

(Go on to the next page)

125

9 Bala spent $\frac{3}{7}$ of his money on a MP3 Player and 25% of the remainder on a pair of shoes. If he had \$120 left, how much money did he have at first?

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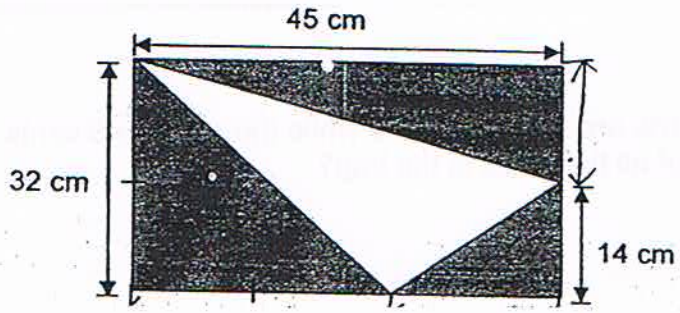
Ans: _____ [3m]

10 Find the area of the unshaded triangle in the figure below.



Ans: _____ [3m]

(Go on to the next page)

11 Tania bought some dolls at an average price of $27 each. If she bought another 3 dolls for $32 each, the average price would be $30. How many dolls did she buy?

Do not write in this space

Ans: _____ [3m]

(Go on to the next page)

127

12 Mei Lin paid $7.40 for a pencil, a sharpener and a file. The sharpener cost 40¢ more than the pencil. The file cost 4 times as much as the sharpener. Find the cost of the file.

Do not write in this space

Ans: _____ [4m]

(Go on to the next page)

13 A rectangular tank has a dimension of 87 cm by 40 cm by 32 cm, was $\frac{5}{8}$ filled with water. Pei Ling poured some of the water from the tank into an empty container until the container was $\frac{3}{7}$ full, leaving 4.8 ℓ of water in the tank. The base of the container is 1200 cm^2. What is the height of the

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Ans: _____ [4m]

(Go on to the next page)

129

14. 5 years ago, Mrs Tan was 4 times as old as her daughter. Her daughter is 17 years old this year. 7 years later, Mrs Tan, her husband and daughter's total age will be 153 years.

(a) What is Mrs Tan's age now?
(b) What is Mrs Tan's husband's age now?

Do not write in this space

Ans: (a) _____ 2m]

(b) _____ [3m]

(Go on to the next page)

15 4 children sold some charity coupons. Aida sold three times as many coupons as Bala. Cindy sold 58 more coupons than Aida. Dennis sold 153 more coupons than the total number of coupons sold by Aida, Bala and Cindy. The number of coupons sold by Dennis was also 685 more than Bala. What was the total number of coupons sold by the children?

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Ans: _____ [4m]

(Go on to the next page)

/31

16. Sally bought some fish. $\frac{1}{5}$ of all the fish bought were guppies.

The ratio of the number of goldfish to the number of swordtails is 2 : 1.

The prices of the fish were shown below:

Types of Fish	Cost of each type of fish
Guppies	$1.20
Goldfish	$2.30
Swordtails	$1.80

She spent $116.80 in total. How many swordtails did she buy?

Ans: _____ [5m]

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(Go on to the next page)

17. A bus left the interchange with some passengers on board. At Bus Stop A, 10 passengers boarded the bus. When it reached Bus Stop B, $\frac{3}{4}$ of the passengers alighted. The bus continued its journey and at Bus Stop C, $\frac{2}{3}$ of the passengers alighted while 3 passengers boarded the bus. There were 18 passengers on the bus when it left Bus Stop C. How many passengers were on the bus when it left the interchange?

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in this spac

Ans: _____ [5m]

(Go on to the next page)

/33

18. 25% of the marbles in a box is pink. The number of blue marbles is $\frac{3}{5}$ of the number of pink marbles. The number of green marbles is $\frac{1}{3}$ the number of blue marbles. There are 690 more white marbles than pink marbles in the box.

Do not write in this space

a) What percentage of the marbles in the box is green?

b) How many marbles are there in the box altogether?

Ans: (a) _____ [2m]

(b) _____ [3m]

End of Paper

Have you checked your work thoroughly?

(Go on to the next page)

ANSWER SHEET

EXAM PAPER 2011

SCHOOL : ROSYTH
SUBJECT : PRIMARY 5 MATHEMAEICS

TERM : CA2

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

16)1063.2 17)51.031kg 18)$172(1boy 1week) 19)84cm2

20)18cm2 21)$104 22)4:29 23)60 24)64cm

25)6 min 26)120g 27)4/15m 28)128 29)1900ml

30)135

Paper 2

1)3200 x 2 = 6400
8.53 – 6.40 = 2.13
6400g = 6.4kg
Ans: 2.13kg

2)30/100 x $120 = $36 (discount)
$120 – $36 = $84

3)12 + 12 = 24
33 – 24 = 9
½ x 15 x 9 = 76.5cm2

4)2u→540
1u→540÷ 2 = 270
6u→270 x 6 = 1620

5)Before
A : P
2 : 1
x3 6 : 3

After
A : P
5 : 3

6 – 5 = 1 (unit apple thrown away)
1u→1260÷7 = 140 apples

6)a)16 triangles
b)57 sticks

7)63 more stamps

8)70/100 x 2600 = 1820 (50¢)
30/100 x 2600 = 780 (5¢)
1820 x 50¢ = 91000¢
780 x 5¢ = 3900¢
91000 x 3900 = 94900
94900¢ = $949

9)3u→120
1u→120÷3 = 40
4u→40 x 4 = 160
7u→40 x 7 = 280

10)A→½ x 32 x 32 = 512
45 – 32 = 13
B→½ x 14 x 13 = 91
C→32 – 14 = 18
½ x 18 x 45 = 405
45 x 32 = 1440
405 + 91 + 512 = 1008
1440 – 1008 = 432

11)3 x 32 = 616
3 x 30 = 90
96 – 90 = 6 (amt distributed to other dolls)
30 – 27 = 3 (change in are)
6 ÷ 3 = 2

12)40 x 5 = 2.00
7.40 – 2.00 = 5.40
5.40 ÷6 = 0.90
0.90 + 0.40 = 1.30
1.30 x 4 = $5.20

13)87 x 40 x 32 = 111360
111360÷8 = 13920
13920 x 5 = 69600
69600ml = 69.600L
69.600 – 4.8 = 64.800
64800÷ 3 = 21600
21600 x 7 = 151200
21600÷ 200 = 18
18 x 7 = 126cm

14)a)17 – 5 = 12
12 x 4 = 48
48 + 5 = 53
b)53 + 17 = 70
153 – 70 = 83
D + Mrs T + Mrs T
= 153
17 + 7 = 24
53 + 7 = 60
153 – 24 – 60 = 69
69 – 7 = 62

15)685 – 58 + 532 = 474
474÷6 = 79
79 x 14 = 1106
1106 + 58 + 153 + 58 = 1375

16)Goldfish : Swordtails
2 : 1
= 8 : 4

Guppies : goldfish : swordtails
3 : 8 : 4

Coat of a set:
Guppies = 3 x $1.20 = $3.60
Goldfish = 8 x $2.30 = $18.40
Swordtail = 4 x $1.80 = $7.20
Total of 1 set = 3.60 + 18.40 + 7.20 = $29.20
116.80 + 29.30 = 4 (sets)
Swordtail = 4 x 4 = 16

17)C 18 – 3 = 15 (1/3)
(1/3)1u→15
(3/3)3u→15 x 3 = 45
B (¼)1u→45
4u→4 x 45 = 180
C 180 – 10 = 170

18)a)5u→25%
1u→25% ÷ 5 = 5%
b)1u→5%
9u→9 x 5% = 45%
100% - 45% = 55% (white)
55% - 25% = 30%
30%-->690
100%-->$\frac{690 \times 100\%}{30}$
= 2300

END

137