RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2016 MOCK TEST

MATHEMATICS
PAPER 1

Name : _____ ( )

Class : Primary 5 / _____

Date : 26 February 2016

BOOKLET A

15 Questions
20 Marks
Duration of Paper 1 (Booklets A & B): 50 minutes

<u>Note:</u>

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this booklet, you should have the following:
   (a) Page <u>1</u> to Page <u>4</u>
   (b) Questions <u>1</u> to <u>15</u>
6. You are <u>not</u> allowed to use a calculator.

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

(20 marks)

1   Express 30 kg 36 g in grams.

(1)   336 g
(2)   3 036 g
(3)   30 036 g
(4)   30 360 g

2   Round off 785 435 to the nearest thousand.

(1)   785 000
(2)   785 400
(3)   785 500
(4)   786 000

3   Find the value of 7 000 x 800.

(1)   5 600 000
(2)   5 060 000
(3)   560 000
(4)   56 000

4   What number is 20 hundreds less than 9 hundred thousand?

(1)   880 000
(2)   898 000
(3)   899 800
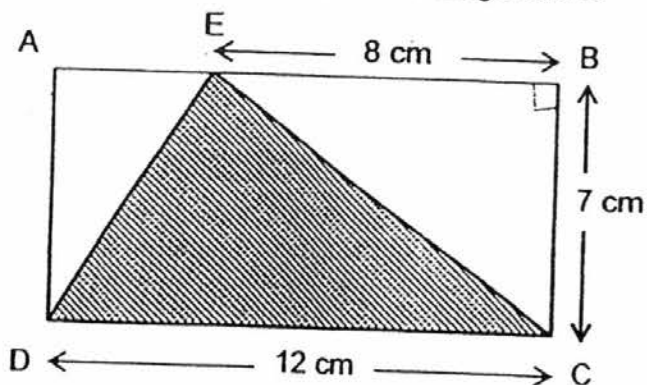(4)   899 980

5   Find the value of 6 x 8 + 60 ÷ 4 – 7.

(1)   20
(2)   56
(3)   122
(4)   131

1

6   9 is a common factor of _____.

    (1)   9 and 21'
    (2)   18 and 24
    (3)   36 and 72
    (4)   45 and 49

7   ABCD is a rectangle. Find the area of triangle CDE.

    (1)   14 cm^2
    (2)   28 cm^2
    (3)   42 cm^2
    (4)   84 cm^2

8   How many of the letters have at least a line of symmetry?

H A M S

    (1)   1
    (2)   2
    (3)   3
    (4)   4

9   One million, seven hundred and five thousand and twenty-one written in numerals is _____.

    (1)   17 521
    (2)   175 021
    (3)   1 700 521
    (4)   1 705 021

10   Which of the following has the same value as 11 fifths?

(1) $\dfrac{5}{11}$

(2) $2\dfrac{1}{5}$

(3) $5\dfrac{1}{11}$

(4) $11\dfrac{1}{5}$

11   Which is the best estimate for 312 x 59?

(1)   300 x 50
(2)   300 x 60
(3)   400 x 50
(4)   400 x 60

12   Find the value of (55 hundreds + 50 tens) x 20 – 10 000.

(1)   5 500
(2)   101 000
(3)   110 000
(4)   120 000

13   Lucus had 42 more stickers than Mandy at first. Mandy gave 18 of her stickers to Lucus. Lucus now has 4 times as many stickers as Mandy. How many stickers did Mandy have at first?

(1)   44
(2)   38
(3)   26
(4)   20

14   Gillian had enough money to buy either 8 apples or 12 oranges. She spent all her money on these 2 types of fruits. If she bought 6 apples, how many oranges did she buy?

(1)   6
(2)   9
(3)   3
(4)   4

3

15 ABCD is a square with an area of 36 cm². If AF is $\dfrac{1}{3}$ the length of AD, find the area of triangle AEF.
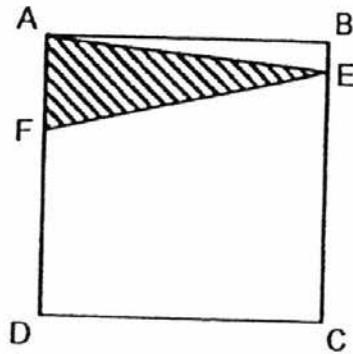
(1) 6 cm²
(2) 12 cm²
(3) 13.5 cm²
(4) 27 cm²

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2016 MOCK TEST

MATHEMATICS
PAPER 1

Name : _____ .(   ) .

Class : Primary 5 / _____

Date   : 26 February 2016

BOOKLET B

15 Questions
20 Marks

In this booklet, you should have the following:
(a) Page 5 to Page 9
(b) Questions 16 to 30

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		20
BOOKLET B		20
TOTAL		40

Parent's Signature : _____

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 How many thousands are there in ten million?

Ans: _____

17 Write 2 345 060 in words.

Ans: _____

_____

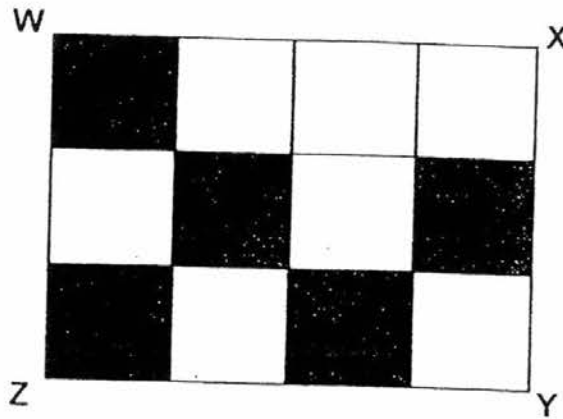**18** What is the value of 81 hundreds + 3 tenths + 7 thousandths?

Ans: _____

19 Find the value of $18 \times (79 + 21) \div 10 + 1$.

Ans: _____

5

4
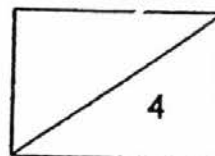
20 How many **more squares** must be shaded such that $\frac{2}{3}$ of rectangle WXYZ is shaded?

W ⎯⎯⎯⎯⎯⎯⎯⎯ X

Z ⎯⎯⎯⎯⎯⎯⎯⎯ Y

Ans: _____

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21 There are approximately 2 700 story books in a school library when rounded off to the nearest hundred.
The smallest possible number of story books is _____.

Ans: _____

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22 BreadTop baked 307 buns in total. If they packed all the buns in packets of 12 each, how many more buns would they need to fill up the last packet?

Ans: _____

6

3
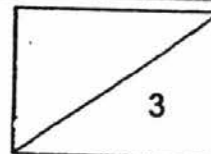
23 Arrange the following in order, beginning with the greatest.

$$1.25, \ 1\frac{2}{5}, \ 1.2$$

Ans: _____

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24 What is the product of 108 and 700?

Ans: _____

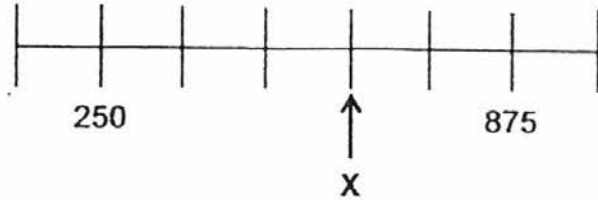**25** What is the missing number in the box?

$$8\frac{1}{4} = 5\frac{\square}{4}$$

Ans: _____

3
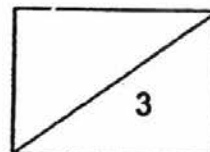
Questions 26 to 30 carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

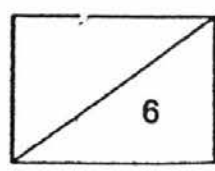**26**   Part of a scale is shown below. What is the value of the reading at X?

250   ↑   875
                       X

Ans: _____

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27   Find the area of the shaded triangle below.

5 cm

13 cm

12 cm
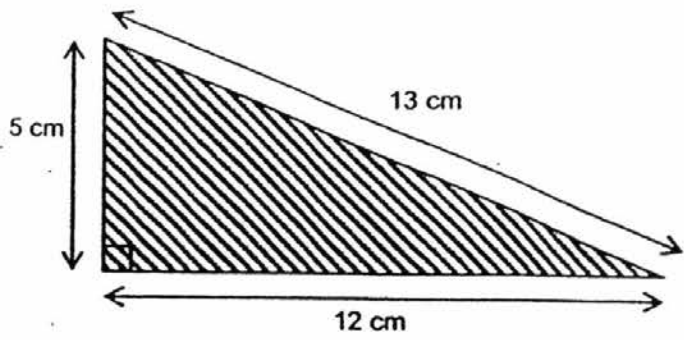
Ans: _____ cm²

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28   A group of students and teachers visited the Zoo. An adult ticket was priced at $15 and each child ticket was priced at $7. There were 3 adults and 40 students in the group. How much did they pay altogether?

Ans: $_____

6

29 Figure ABCD is made up of 3 identical right-angled triangles. AD = 12 cm, BC = 15 cm and CD = 18 cm. Find the area of triangle BCD.
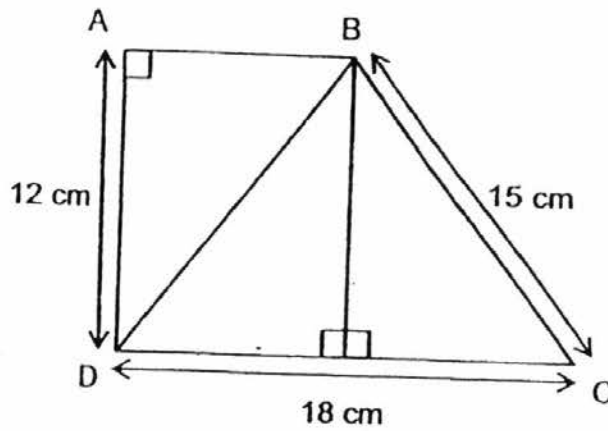
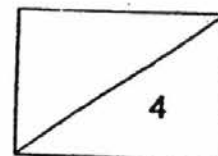Ans: _____ cm²

30 Lincoln has $165 worth of $5 notes and $2 notes. He has five more $5 notes than $2 notes. How many $5 notes does Lincoln has?

Ans: _____

END OF PAPER

9

RED SWASTIKA SCHOOL

2016 MOCK TEST

MATHEMATICS
PAPER 2

Name : _____ .(   )

Class : Primary 5 / _____

Date   : 26 February 2016

18 Questions
60 Marks
Duration of Paper 2: 1 hour 40 minutes

Note:
1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this paper, you should have the following:
   (a) Page 1 to Page 12
   (b) Questions 1 to 18
6. You are allowed to use a calculator.

MARKS

	OBTAINED	POSSIBLE
PAPER 1		40
PAPER 2		60
TOTAL		100

Parent's Signature : _____

Questions 1 to 5 carry 2 marks each. Show your workings 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.

(10 marks)

1   Alison had 9 459 coloured bands. She used 25 coloured bands to make a loom band. What is the greatest number of such loom bands she can make?
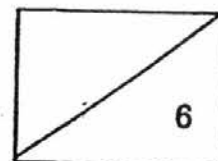
Ans: _____

2   Mr Gopal earns $3 500 monthly. He spends $2 539 and saves the rest every month. How much will he save in 3 years?

Ans: $ _____

3   Allen had 80 more local stamps than foreign stamps. After giving away half of the local stamps, there were 60 more foreign stamps than local stamps. How many local stamps did Allen have at first?
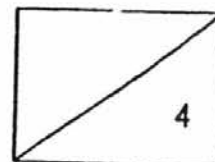
Ans: _____

1

4   A total of 130 people stand in a queue for zoo tickets. There are at least 3 women between any 2 men. What is the largest possible number of men in the queue?

Ans: _____

5   ABCD is a rectangle. Find the total area of the shaded parts.
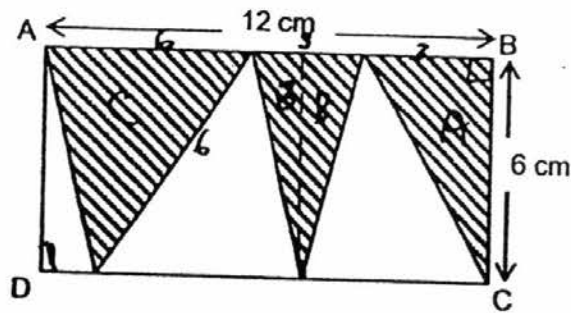
Ans: _____ cm²

For Questions 6 to 18, show your workings clearly in the space below 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)

6   Vijay had $245. He bought 4 toy cars at $29.90 each and spent part of the remaining money on 5 identical balls. If he had $85.90 left, how much did each ball cost?

Ans: _____ [3]

7   Thila was 38 years old and her son was 5 years old 3 years ago. In how many years time from now will Thila be 4 times as old as her son?

Ans: _____ .[3]

6
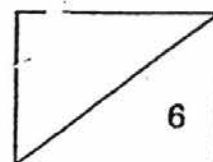
8   Box A contains 5 times as many marbles as Box B. How many marbles must be transferred from Box A to Box B such that there are 42 marbles in each of the boxes?
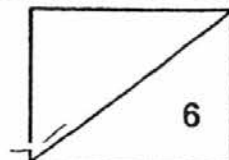
Ans: _____ [3]

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9   There were 15 more boys than girls in a library. Half of the girls and 48 boys borrowed some books. There was an equal number of boys and girls who borrowed books. How many children were in the library?
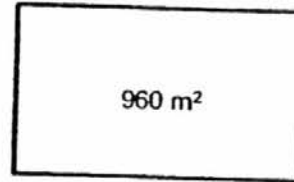
Ans: _____ [3]

6

10   A rectangular vegetable plot has an area of 960 m². Given that its breadth is $\frac{3}{5}$ of its length, find the perimeter of the vegetable plot.

960 m²

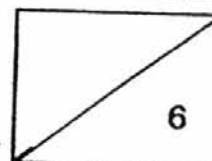Ans: _____   [3]

11   A farmer had 26 wooden planks. Some of the planks were 5-m long and the rest were 8-m long. If all the planks were placed from one end to the other end without gaps over a distance of 187 m, how many 8-m wooden planks did the farmer use?
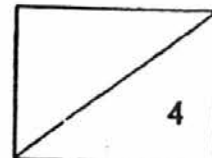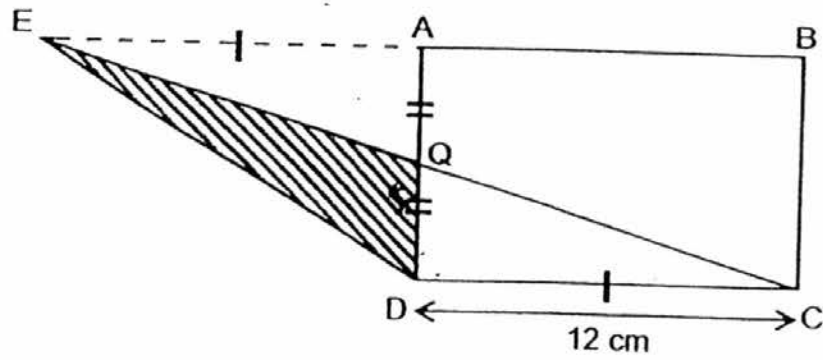
Ans: _____ [3]

6

12 There are 28 markers in a box. 4 markers will be given free-of-charge for every 5 boxes purchased. What is the least number of boxes of markers Miss Ang must purchase if she needs 432 markers?
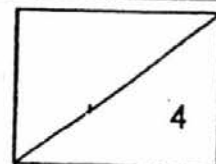
Ans: _____ [4]

4

13 The figure below is made up of rectangle ABCD and triangle ECD.
CD = AE = 12 cm and AQ = QD. Find the area of triangle EQD if the
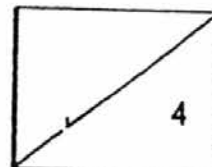area of rectangle ABCD is 120 cm².

Ans: _____ [4]

14   A packet of sweets was shared among Andy, Ben, Charles and Dylan. Andy and Ben took half of the total number of sweets while Charles and Dylan took the rest. Andy had twice as many sweets as Ben and Dylan had 16 sweets. If Charles had $\frac{1}{3}$ as many sweets as Ben, how many sweets were there in the packet of sweets?
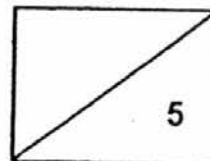
Ans: _____[4]

4

15   There are 44 students in Class 5A. $\frac{2}{3}$ of the number of girls is equal to $\frac{1}{4}$ of the number of boys.

(a)   How many girls are there in Class 5A?

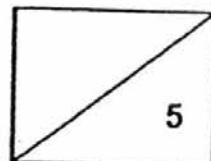(b)   How many more boys than girls are there in Class 5A?

Ans: (a)_____ [3]

(b)_____ [2]

9

16   Benson had 3 times as many beads as Kingsley. After Benson gave
      45 beads away and Kingsley lost 7 beads, Kingsley had 3 times as
      many beads as Benson. What was the total number of beads that
   Benson and Kingsley have at first?

Ans: _____ [5]

5

17 Samantha used some square pieces of paper to make some patterns.
1 square piece of paper was used for Pattern 1.
2 square pieces of paper were added at the bottom of Pattern 1 to form Pattern 2.
3 square pieces of paper were added at the bottom of Pattern 2 to form Pattern 3.

(a)

Pattern 1   Pattern 2   Pattern 3   Pattern 4
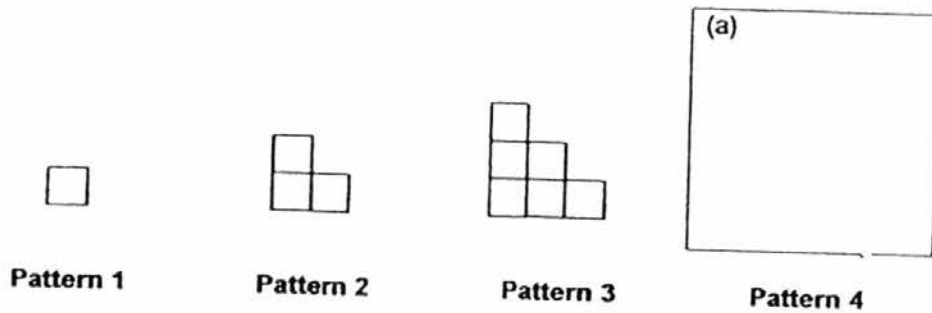
(a)   Draw Pattern 4 in the space provided above. [1]

(b)   How many square pieces of paper did she use in the bottom row of Pattern 18?

(c)   How many square pieces of paper did she use in Pattern 25?

Ans: (b) _____ [1]

(c) _____ [3]

5
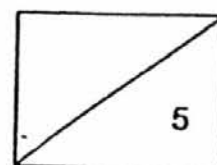
Red Swastika School 2016

Mock Test Paper 1 Mathematics Primary 5 Booklet A

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

Paper 1 Booklet B

Q16. 10 000

Q17. Two million three hundred and forty five thousand and sixty

Q18. 8100.307

Q19. 181

Q20. 3

Q21. 2650

Q22. 5

Q23. $1\frac{2}{5}$, 1.25, 1.2

Q24. 75 600

Q25. 13

Q26. 625

Q27. 30cm²

Q28. $325

Q29. 108cm²

Q30. 25 (25 $5, 20 $2)

Paper 2

Q1. 9 459/25 = 378 (Reminder 9)

Q2. 3 500 − 2 539 = 961, 12 x 3 = 36, 961 x 36 = $34 596

Q3. 80 + 60= 140, 140 x 2 = 280

Q4. 33 (mwww.......mwwwwm)

Q5. $\frac{1}{2}$ x 12 x 6 = 36cm²

Q6. 29.90 x 4 = 119.60, 245 − 119.60 − 85.90 = 39.5, 39.5 / 5 = $7.90

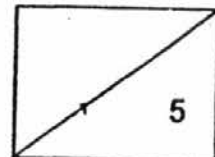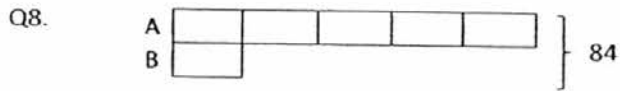Q7. 3u = 33, 1u = 11, 4u = 44. Now, Thila is 41. Ans = 44 - 41 = 3 years

18   The figure below is made up of a square, a rectangle and a triangle. Find the area of the shaded triangle.

Ans: _____ . [5]

END OF PAPER

Q8.
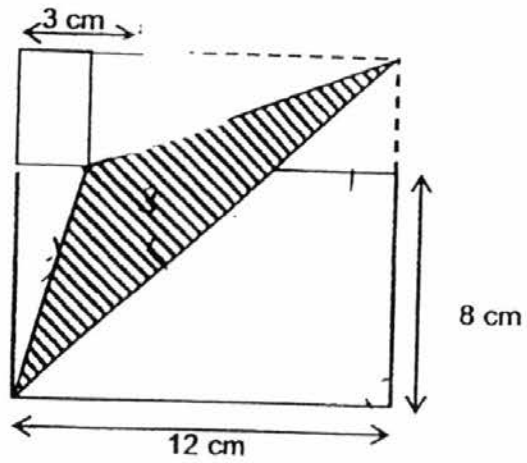
$$6u = 84$$
$$2u = 28$$

Q9. Girls → 48 X 2 = 96, Boys → 96 + 15 = 111, Total → 111 + 96 = 207

Q10. 128 (B = 24, L = 40)

Q11. 5 + 8 = 13, 187 / 13 = 14 r5, Ans: 14

Q12. 28 x 5 = 140, 140 + 4 = 144, 432 / 144 = 3, 3 x 5 = 15 boxes

Q13. AD → 120 / 12 = 10, DQ → 10 / 2 = 5, $\frac{1}{2}$ x 5 x 12 = 30 cm^2

Q14. 36 (8u = 16, 1u = 2, Total → 18u = 18 x 2 = 36)

Q15. (a) Girls = $\frac{2}{3}$, Boys = $\frac{1}{4}$ → $\frac{2}{8}$, Ratio = 3:8, 11u = 44, 3u = 12

(b) Boys → 8u = 32, 32 – 12 = 20

Q16. 8u = 45 – 7 – 7 – 7 = 24
3u = 3 x 3 = 9
9 + 7 = 16
16 x 3 = 48
14 + 16 = 64

Q17. (a)Pattern 4:
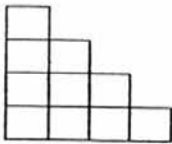
(b) 18
(c) (25x26)/2 = 325

Q18. Area of unshaded rectangle = 3 x 4 = 12cm^2
Area of unshaded Triangle A = $\frac{1}{2}$ x 3 x 8 = 12cm^2
Area of unshaded Triangle B = $\frac{1}{2}$ x 4 x 9 = 18cm^2
Area of unshaded big Triangle = $\frac{1}{2}$ x 12 x 12 = 72cm^2
Area of whole big square = 12 x 12 = 144cm^2
Area of shaded region = 144 – 12 – 12 – 18 – 72 = 30cm^{2n}