RIVER VALLEY PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2

2017

MATHEMATICS

PRIMARY FOUR

Name : _____ ( )

Class : Primary 4 ( )

Date : 27 October 2017

Duration : 1 hour 45 minutes (Booklets A and B)

BOOKLET A

Instructions to candidates

- Do not open the booklet(s) until you are instructed to do so.
- Read all instructions provided in each section carefully.
- Show your workings as marks may be awarded.
- **REMEMBER TO SHADE THE CORRECT OVAL ON THE OAS.**

Section A: Multiple-Choice Questions : (40 marks)

Questions 1 to 20 carry 2 marks each. For each question, four options are given. Choose one of the options provided. Shade the correct corresponding oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. 55 thousands and 6 tens is the same as _____ .

(1) 556
(2) 5 560
(3) 55 006
(4) 55 060

2. Which of the following is a multiple of both 5 and 6?

(1) 11
(2) 25
(3) 36
(4) 60

3. Which of the following fractions is not in its simplest form?

(1) $\frac{2}{3}$
(2) $\frac{3}{5}$
(3) $\frac{5}{8}$
(4) $\frac{6}{9}$

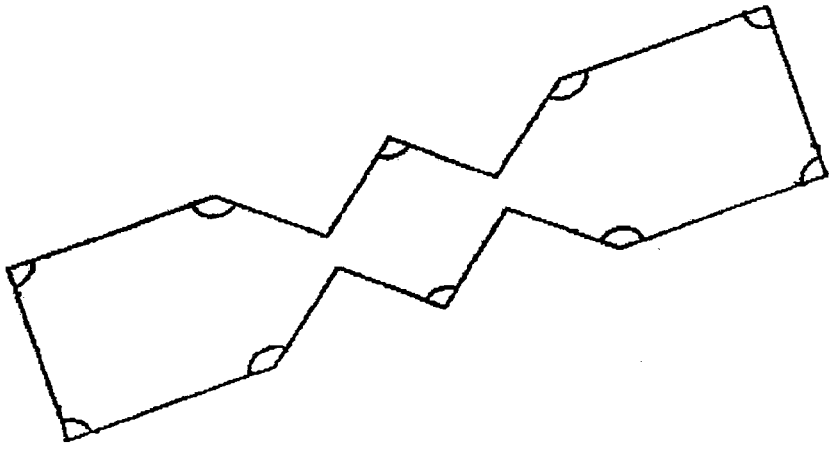
4. In which of the following numbers does the digit 3 stand for 3 tenths?

(1) 14.35
(2) 31.54
(3) 43.68
(4) 58.23

5. Which number below is 1.3 less than 4.78?

(1) 3.48
(2) 4.65
(3) 4.91
(4) 6.08

6. In the figure, how many of the marked angles are right angles?



(1) 14
(2) 10
(3) 6
(4) 4

7. Mr Siva was facing West at first. Where will he be facing after turning 135° in an anti-clockwise direction?

(1) North-east
(2) North-west
(3) South-east
(4) South-west

8. Madam Lee took 1 h 55 min to bake some brownies. If she finished baking the brownies at 12 10, at what time did she start baking?

(1) 13 05
(2) 14 05
(3) 10 55
(4) 10 15

9. Mrs Samuel bought 10 ℓ of Ribena juice. She gave her children 2.5 ℓ of the juice on Monday and 3.2 ℓ of the juice on Tuesday. How much Ribena juice had she left?

(1) 4.3 ℓ
(2) 5.7 ℓ
(3) 6.8 ℓ
(4) 7.5 ℓ

10. Mr Gopal bought 100 key chains. He gave 28 key chains to his children and put the rest of his key chains equally into 4 boxes. How many key chains were there in each box?

(1) 72
(2) 32
(3) 25
(4) 18

11. Sheila has 30 marbles. 8 of the marbles are blue and 12 of them are red. The rest are yellow. What fraction of her marbles are yellow marbles?

(1) $\frac{4}{15}$
(2) $\frac{1}{3}$
(3) $\frac{2}{5}$
(4) $\frac{2}{3}$

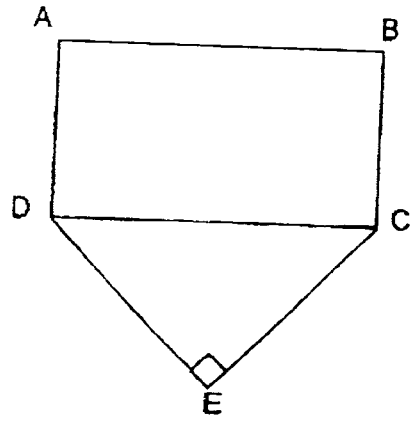
12. On Children's Day, a group of 4 children took part in a race. The table below shows the time taken by each child to complete the race.

Alan	1 min
Bob	58 s
Clara	1 min 17 s
Diana	1 min 3 s

What was the difference in the time taken by the fastest runner and the slowest runner?

(1) 5 sec
(2) 14 sec
(3) 19 sec
(4) 59 sec

13. In the figure below, ABCD is a rectangle and CDE is a right-angled triangle. Which of the following pairs of lines are **not** perpendicular?



(1) CE and DE

(2) DE and DA

(3) AD and DC

(4) AB and BC

14. Raja bought a bottle of chocolate milk and 5 packets of strawberry milk. The bottle of chocolate milk contained 1.07 ℓ of milk. Each packet of strawberry milk contained 0.45 ℓ less milk than the bottle of chocolate milk. Raja drank 3 packets of the strawberry milk. How many litres of strawberry milk had he left?

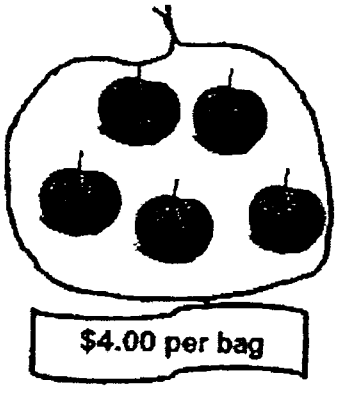
(1) 1.24 ℓ

(2) 1.86 ℓ

(3) 2.31 ℓ

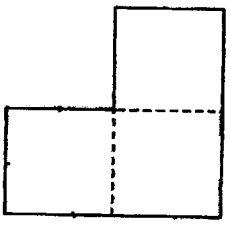
(4) 3.04 ℓ

15. Apples are only sold in bags of 5 apples. Each bag is sold at $4.00. Jacky has $14.00. How many apples can he buy at most?



(1) 20
(2) 18
(3) 17
(4) 15

16. The figure below is made up of 3 identical squares. Its perimeter is 72 cm. What is the area of each square?



(1) 9 cm^2
(2) 27 cm^2
(3) 81 cm^2
(4) 243 cm^2

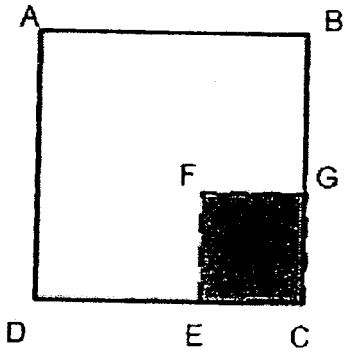
17. The table below shows the number of cards that are collected by 5 children.

Children	No. of cards
Fahmi	55
Shelly	79
Devi	24
Stanley	87
Umi	32

The number of cards Stanley collected is the same as the total number of cards collected by _____ and _____.

(1) Fahmi and Devi
(2) Fahmi and Umi
(3) Devi and Umi
(4) Devi and Shelly

18. ABCD is a square piece of paper. A small square, EFGC with an area of 9 cm^2, is cut out. The remaining piece of paper has an area of 40 cm^2. What is the perimeter of the original square piece of paper ABCD?

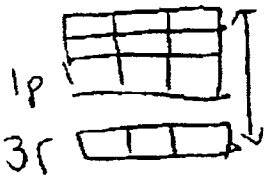


(1) 28 cm
(2) 36 cm
(3) 49 cm
(4) 81 cm

19. Qi You paid $12 for 3 rulers and 3 pens. If 1 pen cost the same as 3 rulers, how much did he pay for 1 pen?

(1) $1

(3) $3



(2) $2

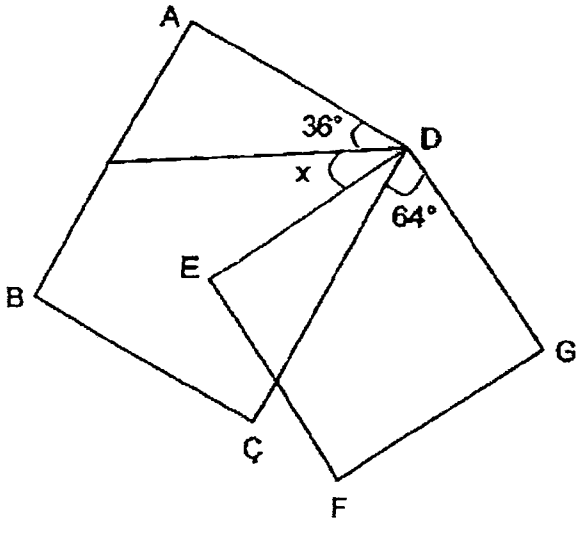
(4) $6

12 ÷ 12 = 1

1 × 3 = 3

(3)

20. The figure below is not drawn to scale. It is made up of a rectangle ABCD and a square DEFG. Find the value of $\angle x$.



(1) 54°

(2) 42°

(3) 28°

(4) 27°

- End of Booklet A -

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SEMESTRAL ASSESSMENT 2

2017

MATHEMATICS

PRIMARY FOUR

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BOOKLET B

Instructions to candidates

- Do not open the booklet(s) until you are instructed to do so.
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- Show your workings as marks may be awarded.

SUMMARY OF MARKS :

Section		Questions	Marks Awarded	Maximum Marks
A	Multiple Choice Questions	1 – 20		40
B	Short Answer Questions	21 – 40		40
C	Long Answer Questions	41 – 45		20
Total				

Parent's Signature:

Section B: Short Answer Questions (40 marks)

Questions 21 to 40 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

21. Round 7625 to the nearest ten.

Answer: _____

22. Subtract 489 from 844.

Answer: _____

23. How many one-eighths are there in 1 whole?

Answer: _____

24. Write $\frac{15}{7}$ as a mixed number.

Answer: _____

25. $\frac{1}{3} + \frac{5}{9} =$ _____

Answer: _____

26. Express $\frac{87}{100}$ as a decimal.

Answer: _____

27. Arrange these numbers from the smallest to the greatest.

0.782 , 8.3 , 0.803 , 0.095

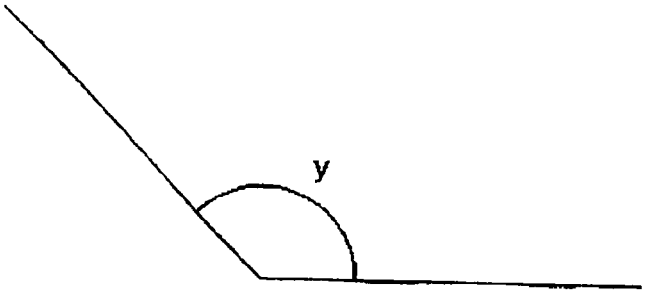
_____, _____, _____, _____

(smallest) *(greatest)*

28. 13.75 ÷ 0.28 = _____

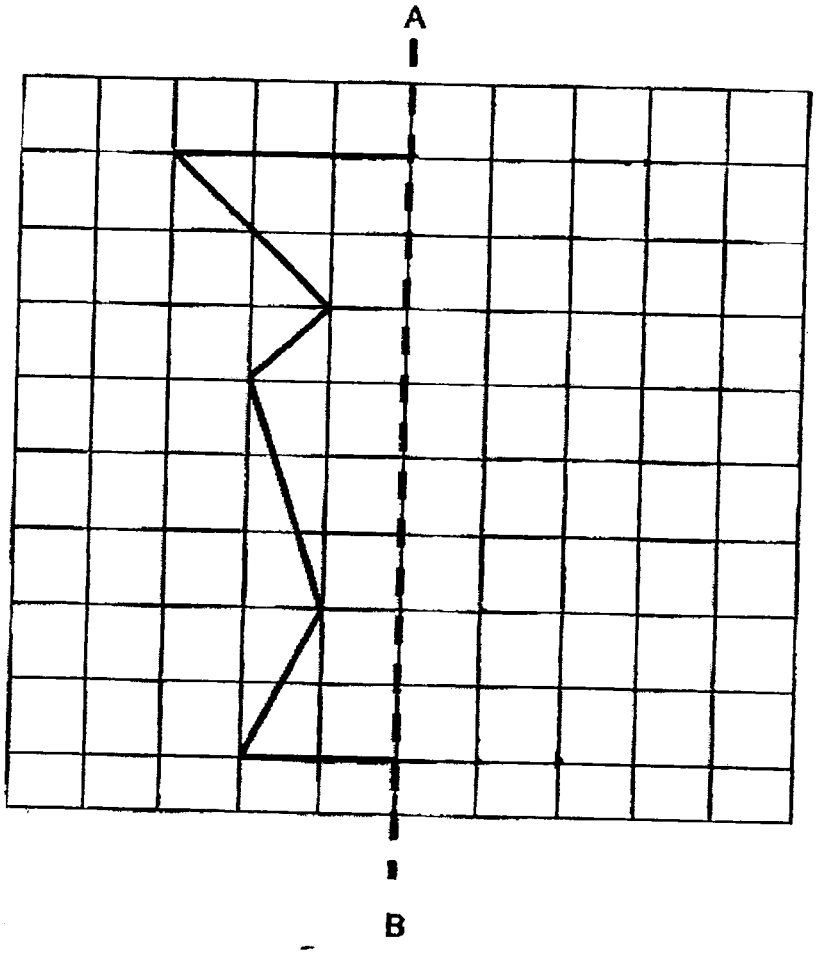
Answer: _____

29. Measure and write down the size of $\angle y$.



Answer: _____ °

30. Complete the figure with AB as the line of symmetry.



31. Kai Ling left her house at 09 15. She took a bus to go to Grand World City to watch a movie. When she reached there, she was 20 min early for the movie. If the movie started at 11 30, how long was her journey to Grand World City? Give your answer in h and min.

Answer: _____ h _____ min

32. Mrs Lim bought 8 boxes of chocolates. She gave 12 chocolates to each of her students and had 16 chocolates left. If she had 40 students, how many chocolates were there in each box at first?

Answer: _____

33. Mrs Nona bought 133 balloons. $\frac{4}{7}$ of the balloons she bought were blue while the rest were red. How many more blue balloons than red balloons did she buy?

Answer: _____

34. Alan, Benson and Charles have a total mass of 118.2 kg. Alan is 2.2 kg heavier than and 0.2 kg heavier than Charles. What is the mass of Benson? Benson

Answer: _____ kg

35. The table below shows the programmes on a television channel.

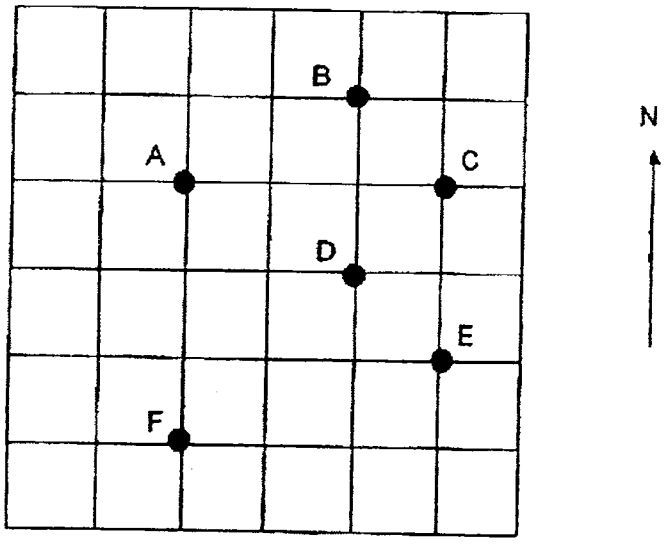
If the programme "Amazing Animal Selfies" lasted for 1 hour and 15 minutes, at what time did the programme "Dino-soarin" start?

Give your answer in the 24-hour clock.

Time	Programme
08 04	*Space Out*
09 10	Born to be WILD
11 10	*Amazing Animal Selfies*
?	Dino-soarin'

Answer: _____

36. Study the square grid below.



Which point is south-west of Point D?

Answer: _____

37. A rope 37.2 m long is cut into 2 pieces. One piece of rope is 3 times as long as the other piece. Find the length of the shorter piece of rope. Express your answer in metres.

Answer: _____ m

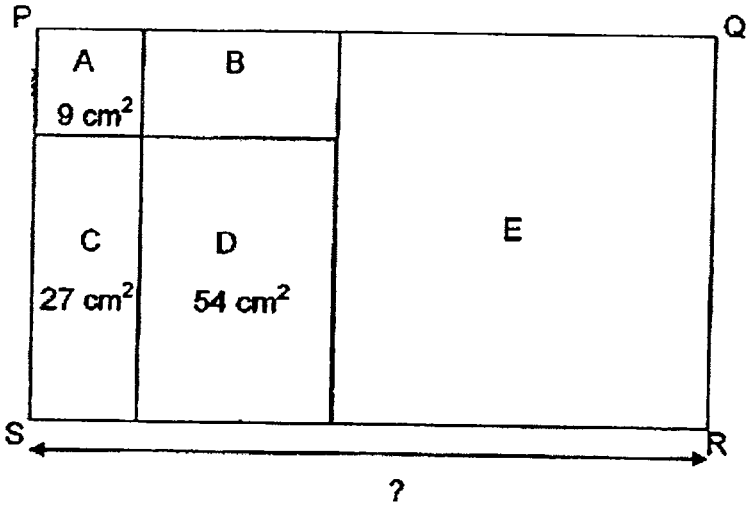
38. 4 boys were supposed to be given an equal number of candies. One of them did not want any candies and his share was given equally to the remaining boys. As a result, each of the remaining boys received 7 more candies. What was the total number of candies given to the boys?

Answer: _____

39. Stephen received some two-dollar notes and five-dollar notes from his mother. He received twice as many two-dollar notes as five-dollar notes. If the total amount of money he received from his mother was $54, how many two-dollar notes did he receive?

Answer: _____

40. The figure below shows a rectangle PQRS that is divided into 5 parts. Given that A and E are squares, find the length of SR.



Answer: _____ cm

Section C: Long Answer Questions (20 marks)
Questions 41 to 45 carry 4 marks each.
Show your working clearly as marks may be awarded. Write your answer in the space provided.

41. Samson spent $1450 on a holiday. Annie spent twice as much as Samson and four times as much as Ben. How much did they spend altogether?

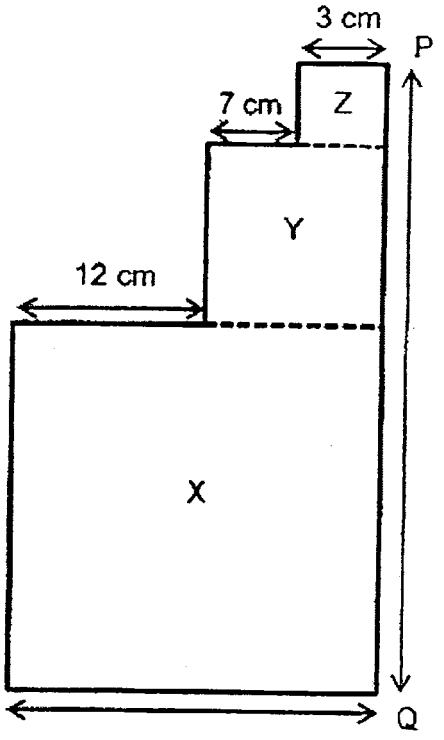
Answer: _____(4m)

42. A player gains 2 points for every match he wins. The player will also gain an additional 1 point as bonus for every 4 matches he wins. If the player wins 20 matches, how many points will he gain altogether?

Answer: _____(4m)

43. The figure on the right is not drawn to scale.
Study the figure carefully.
X, Y and Z are squares.

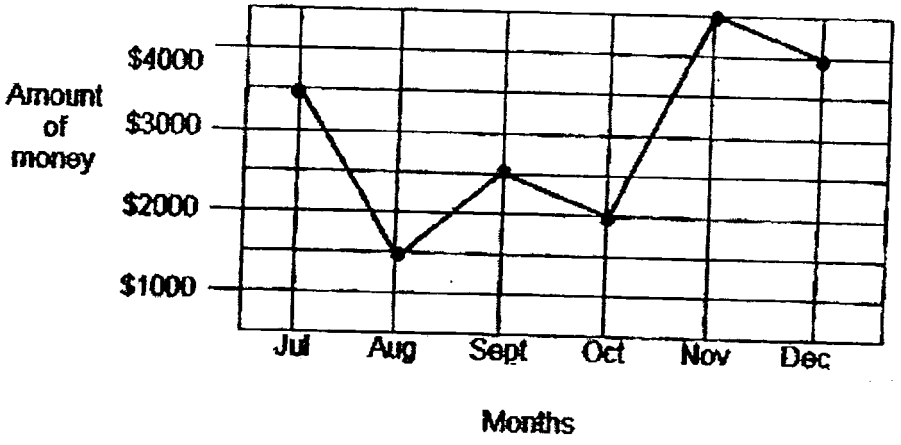
a) Find the length of PQ.
b) Find the area of Square X.



Answer: (a) _____(2m)

(b) _____(2m)

44. Mr De Souza earned a monthly salary of $9000. The line graph below shows the amount of money he **spent** on groceries for the past 6 months. He saved the rest of his salary each month.



a) In which month did Mr De Souza spend $\frac{1}{6}$ of his salary?

b) In December, Mr De Souza placed his savings in 3 different banks. The amount of money he put in Bank A is the same as the amount he put in Bank B.but is twice as much as what he put in Bank C. How much money did he put in Bank C?

Answer: (a) _____(2m)

(b) _____(2m)

45. Ollie collected 240 Singapore stamps and foreign stamps. $\frac{2}{3}$ of the stamps she collected were Singapore stamps. Half of her foreign stamps were Malaysia stamps and the rest were Indonesia stamps.

a) How many Singapore stamps did she collect?

b) Ollie wanted her collection of Malaysia stamps to be 30 more than the number of Singapore stamps she had collected. How many Malaysia stamps must she buy?

Answer: (a) _____(2m)

(b) _____(2m)

- End of Booklet B -

EXAM PAPER 2017 (P4)

SCHOOL : RIVER VELLEY

SUBJECT : MATHEMATICS

TERM : SA2

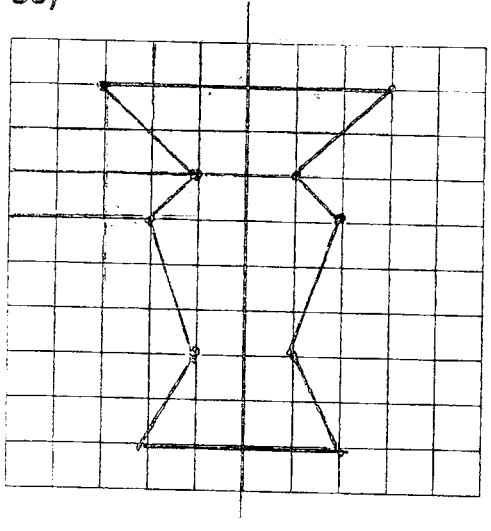
ORDER CALL :

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	4	4	1	1	4	3	4	1	4
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
2	3	2	1	4	3	2	1	3	3

21)7630 22)355 23)8 24)21/7 25)8/9

26)0.87 27)0.095 , 0.782 , 0.803 , 8.3 28)14.03 29)135°

30)



31)1 h 55 min 32)62 33)19 34)38 kg 35)1225

36)F 37)9.3 m 38)7 x 3 = 21 39)12

21 x 4 = 84

40)12 + 6 = 18

18 + 3 = 21 m

41)1450 ÷ 2 = 725

725 x 7 = $5075

42)20 ÷ 4 = 5

5 x 9 = $45

43)a)7 + 3 = 10

12 + 10 = 22

22 + 10 = 32

32 + 3 = 35 cm

b)22 x 22 = 484cm2

44)a)August

b)400 ÷ 4 = 1000

1000 x 2 = $2000

45)a)240 ÷ 6 = 40

40 x 4 = 160

b)160 + 30 = 190

190 – 40 = 150