



RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT 2 2008

Date: 24th Oct 08

Name : _____ () Class: P4__

24 Oct 2008 MATHEMATICS Att: 1 h 45 min

Your Score Out of 100 marks		
	Class	Level
Highest score		
Average score		
Parent's Signature		

SECTION A (25 marks)

Questions 1 to 5 carry 1 mark each.

Questions 6 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 your answer (1, 2, 3 or 4) on the OAS provided.

1. In 24 157, the digit 4 stands for _____.

- (1) 4
- (2) 40
- (3) 400
- (4) 4000

()

2. 19 085 when rounded off to the nearest ten is _____.

- (1) 19 000
- (2) 19 080
- (3) 19 090
- (4) 19 100

()

3. Convert \$12.45 to cents.

- (1) 1.245 cents
- (2) 12.45 cents
- (3) 124.5 cents
- (4) 1245 cents

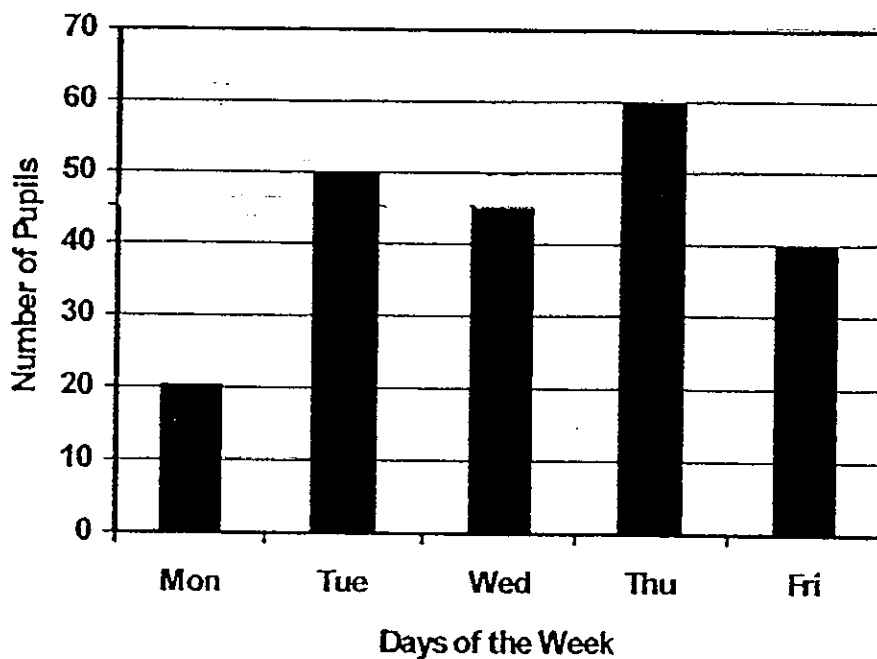
()

4. An aeroplane took off at 1725. It landed 1 h 45 minutes later. What time did the aeroplane land?

- (1) 1540
- (2) 1810
- (3) 1870
- (4) 1910

()

5. The bar graph below shows the number of students served at a canteen stall.

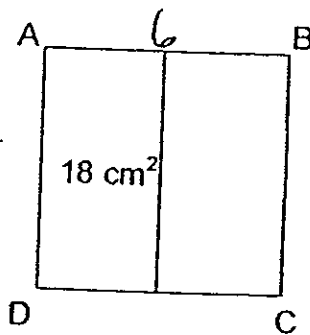


On which day did the stall serve 5 more pupils than Friday?

- (1) Monday
- (2) Tuesday
- (3) Wednesday
- (4) Thursday

()

6. The square ABCD below is made up of two identical rectangles. Given that the area of one rectangle is 18 cm^2 , what is the length of AB?



- (1) 6 cm
 (2) 9 cm
 (3) 18 cm
 (4) 36 cm

()

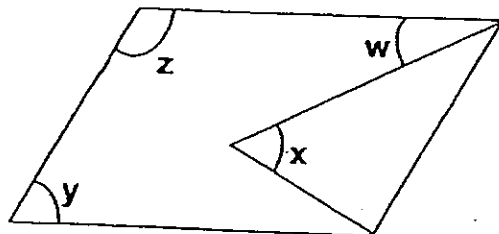
7. What is the missing number in the box below?

$$8\frac{5}{7} = \frac{\square}{7}$$

- (1) 40
 (2) 51
 (3) 56
 (4) 61

()

8. In the figure below, which marked angle is greater than the size of a right angle?



- (1) $\angle w$
 (2) $\angle x$
 (3) $\angle y$
 (4) $\angle z$

()

9. Find the value of

$$\frac{2}{5} + \frac{3}{10}$$

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

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

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

(4) $\frac{7}{10}$

()

10. The number 12.304 when rounded off to 1 decimal place is _____.

(1) 12.0

(2) 12.3

(3) 12.4

(4) 13.0

()

11. Which of the following is a factor of 45 and 60?

(1) 9

(2) 2

(3) 10

(4) 15

()

12. Find the value of 0.25×3 .

(1) 0.75

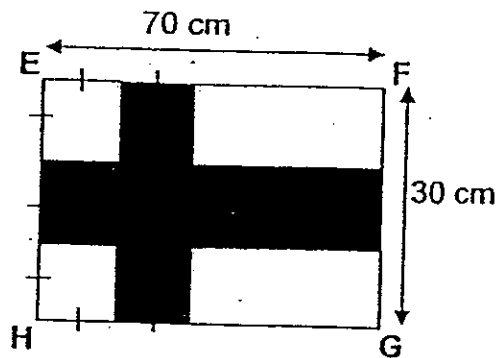
(2) 7.5

(3) 75

(4) 750

()

13. EFGH is a rectangle.
Find the perimeter of the shaded part.



- (1) 100 cm
(2) 200 cm
(3) 360 cm
(4) 2100 cm

()

14. The table below shows part of the menu at a restaurant.

Item	Small	Medium	Large
French Fries	\$1.00	\$1.20	\$1.50
Whipped Potato	\$1.50	\$1.80	\$2.00
Drink	\$1.70	\$2.40	\$2.80

Davina bought 1 small French Fries, 1 large Whipped Potato, and 2 medium drinks. How much did she pay altogether?

- (1) \$4.20
(2) \$5.40
(3) \$6.30
(4) \$7.80

()

15. Elaine is 9 years 3 months.
Her sister is 1 year 10 months older than her.
How old is Elaine's sister?

- (1) 7 years 5 months
(2) 10 years 1 month
(3) 11 years 1 month
(4) 11 years 3 months

()

End of Section A

38

SECTION B (40 marks)

Questions 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. Answers in fractions must be expressed in the simplest form. Marks will be awarded for relevant working.

16.. $83\,594 = 80\,000 + 3\,000 + \underline{\hspace{2cm}} + 90 + 4$

What is the missing number in the blank above?

Ans: _____

17. Arrange the following in ascending order.

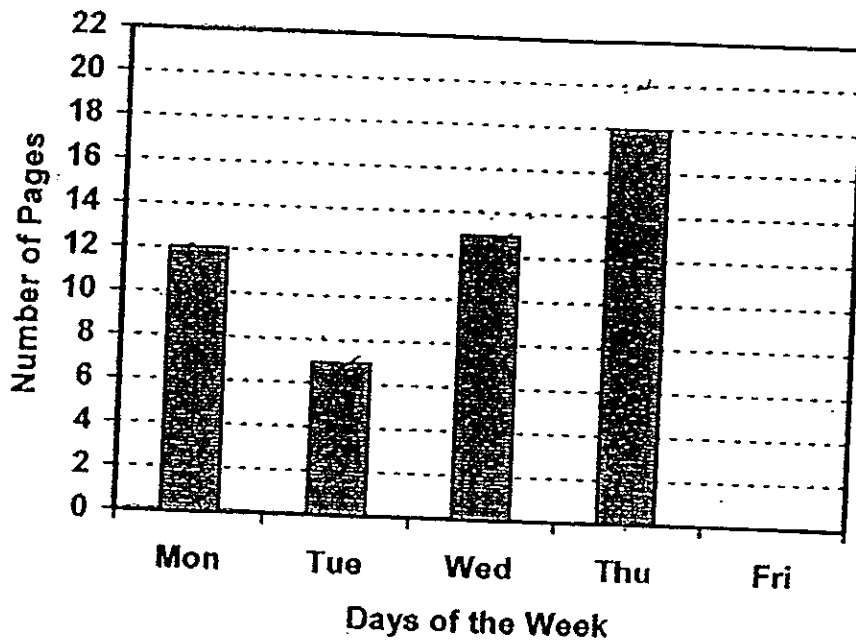
2.05, 0.25, 0.205

Ans: _____

18. Find the value of 1.25×7 .

Ans: _____

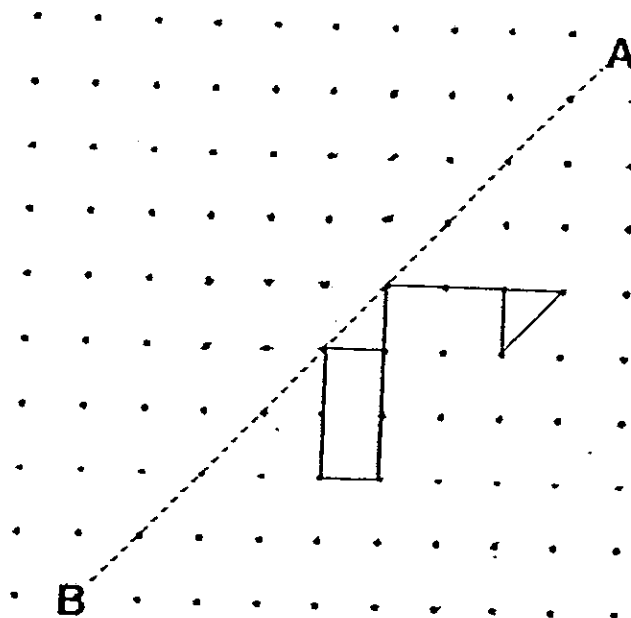
19. The graph below shows the number of pages of a story book Cassandra had read for the first 4 days in a week.



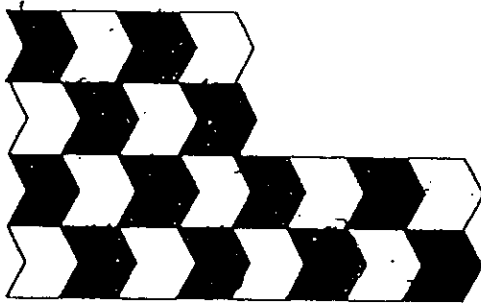
Given that she read a total of 64 pages for the first 5 days in a week, how many pages did Cassandra read on Friday?

Ans: _____ pages

20. Complete the following figure to make it symmetrical about AB.



21. The figure below is made up of identical unit shapes. What fraction of the figure is unshaded?



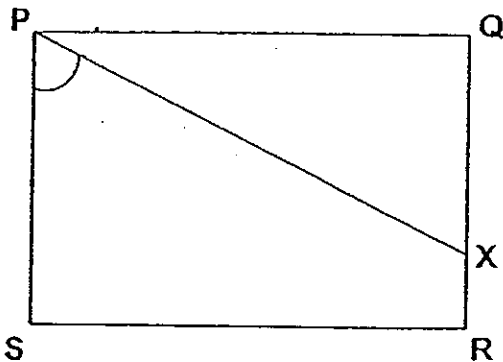
Ans: _____

22. Find the value of

$$1 - \frac{1}{4} - \frac{1}{6}$$

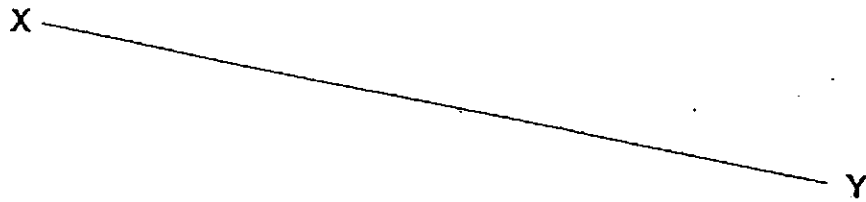
Ans: _____

23. In the figure below, PQRS is a rectangle and $\angle QPX = 35^\circ$. Find the value of $\angle SPX$.



Ans: _____°

24. XY is a straight line. Use a set-square and a ruler to draw a line perpendicular to XY passing through point A.



A

25. Nancy bought $\frac{7}{8}$ m of string. Amanda bought $\frac{1}{2}$ m more string than her.
What was the length of the string Amanda bought?

Ans: _____ m

26. What is the first common multiple of 6 and 8?

Ans: _____

27. An odd number between 5 and 12 is a multiple of 3.
What is this number?

Ans: _____

28. The table below shows the number of animals Beverley saw at a zoo.
She saw 8 birds and a total of 70 animals.
What is the missing number in the box?

Animals	Monkeys	Birds	Snakes	Cats
Number of animals	18	8	33	?

Ans: _____

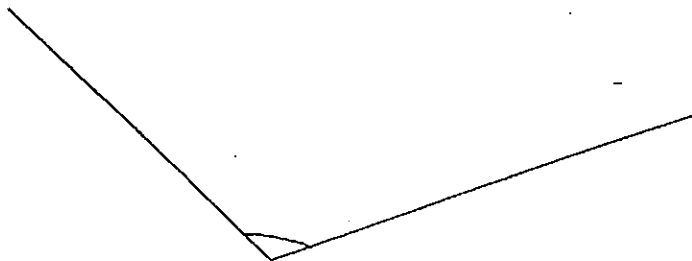
29. The total mass of a rabbit and a dog is 2250 g.
The dog weighs 1150 g more than the rabbit.
Find the mass of the dog in kilogram.

Ans: _____ kg

30. John's lesson started at 1.15 p.m. and ended at 2.45 p.m.
How long was the lesson in hours and minutes?

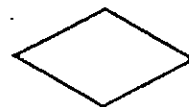
Ans: ___ h ___ min

31. Measure and write down the size of the marked angle below.

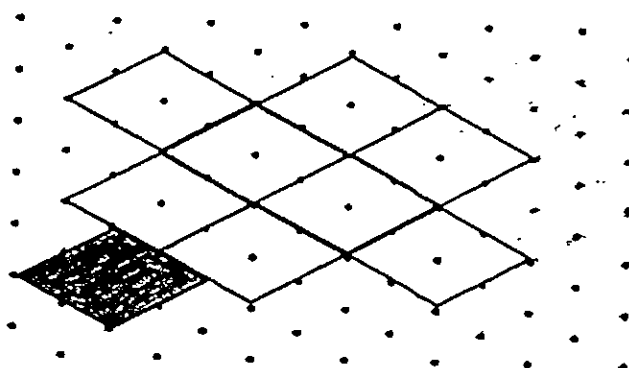


Ans: _____ °

32. The diagram below shows a tessellation using a unit shape of



- (a) Shade a unit shape that is tessellated **incorrectly**. [1]
(b) Extend the tessellation by drawing 2 more unit shapes in the diagram below. [1]



33. Mrs. Lee bought 5.65 m of ribbon.
She used 2.5 m of it to make a flower.
She then cut the remaining length of ribbon into 7 equal pieces to make 7 butterflies.
What was the length of the ribbon used to make a butterfly?
(Express your answer in metres)

Ans: _____ m

34. Round off 58 095 to the nearest ten.

Ans: _____

35. A shirt and a blouse cost \$80.
A shirt and a pair of pants cost \$100.
A pair of pants and a blouse cost \$95.
What is the cost of 2 similar shirts?

Ans: \$ _____

End of Section B

SECTION C (35 marks)

For questions 36 to 44, show your working clearly in the space provided below each question and write your answer with suitable units in the spaces provided.

All diagrams are not drawn to scale.

Answers in fractions must be expressed in the simplest form.

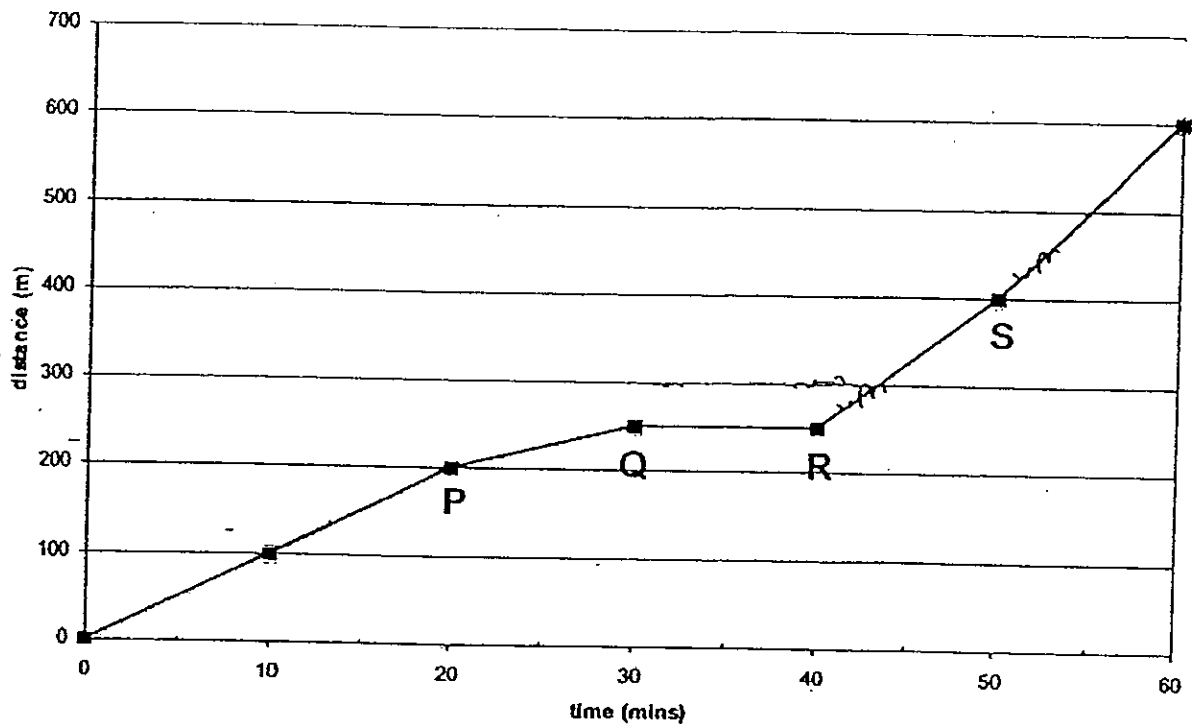
Marks will be awarded for relevant working.

The number of marks available is shown in brackets [] at the end of each question or part-question.

36. At a concert, there were 520 men and three times as many women as men.
There were 340 fewer children than women.
-How many people attended the concert?

Ans: _____ [3]

37. The line graph below shows the distance a tortoise moved on land in an hour. Study the graph carefully and answer the questions that follow.



- (a) How many metres had the tortoise moved in 60 minutes?
- (b) The tortoise took a rest for a certain period of time. Based on the graph above, for how long had the ~~tortoise~~ ^{tortoise} rested?
- (c) P, Q, R and S were four points that the tortoise had moved. From which point to which point had the tortoise moved the fastest within 10 minutes?

Ans: (a) _____ [1]

(b) _____ [1]

(c) From _____ to _____ [1]

38. James had a certain number of bookmarks.

He gave $\frac{3}{4}$ of the bookmarks to his brother.

James and Betty then shared the remaining number of the bookmarks equally. Given that James had 46 bookmarks at the end, how many bookmarks did he have at first?

Ans: _____ [3]

39. John has 600 marbles.

Raju has half of what John has and Jeremy has $\frac{2}{3}$ of what Raju has. 5

(a) How many marbles does Jeremy have?

(b) The three boys decided to pack their marbles into 5 bags equally.
How many marbles did each bag have?

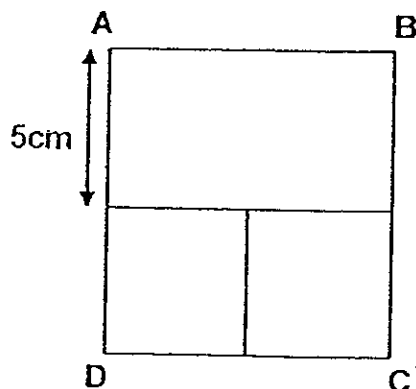
Ans: (a) _____ [2]

(b) _____ [2]

40. The figure ABCD is made up of a rectangle and two identical squares.
The perimeter of each square is 16 cm.

(a) Find the perimeter of the figure ABCD.

(b) Find the area of the figure ABCD.



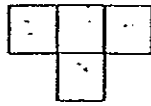
Ans: (a) _____ [2]

(b) _____ [2]

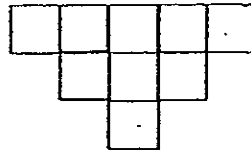
41. Study the patterns below carefully and answer the questions that follow.



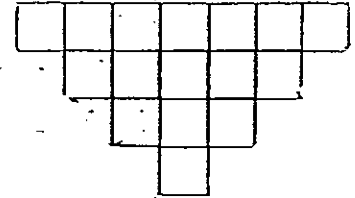
Pattern 1



Pattern 2



Pattern 3



Pattern 4

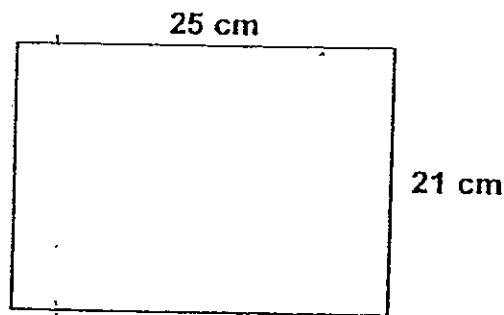
(a) How many squares are needed to form Pattern 5?

(b) How many squares are needed to form the figure in pattern 21?

Answer: (a) _____ [2]

(b) _____ [2]

42. The diagram below shows a piece of rectangular paper measuring 25 cm by 21 cm.



- (a) Find the area of the paper.
- (b) What is the **maximum** number of 3-cm squares that can be cut from the paper?

Ans: (a) _____ [2]

(b) _____ [2]

43. Mary has some \$10 and \$50 notes.
The notes add up to \$350 in total.
There are five more \$10 notes than \$50 notes.
How many \$10 notes does Mary have?

Ans: _____ [5]

44. There were 3 boxes, A, B and C.
Box A contained 4 times as many marbles as Box C.
Box B contained 24 marbles less than Box A.
Box C contained half the number of marbles in Box B.

(a) Find the number of marbles in Box A.

(b) Four boys took all the marbles from the 3 boxes and shared them equally among themselves. How many marbles did each boy get?

Ans: (a) _____ [3]

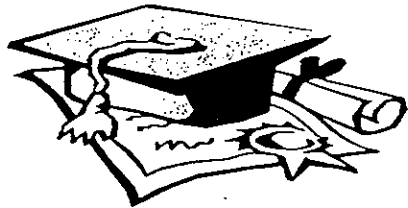
(b) _____ [2]

END OF PAPER

Please check your work carefully ☺

Setters:
Mdm Suhana
Mr Christopher Ho
Mdm Nor Farhana





ANSWER SHEET

EXAM PAPER 2008

SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL

SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA 2

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

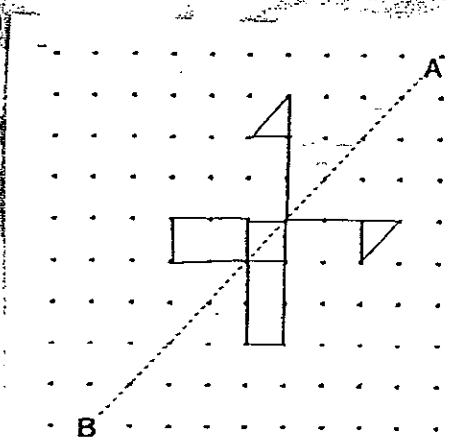
16) 500

17) 0.205, 0.25, 2.05

18) 8.75

19) 14 pages

20)



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

22) $\frac{7}{12}$

23) 55°

24) X

Y



25) $1.375m$

26) 24

27) 9

28) 11 cats

29) 1.7

30) $1h\ 30\ min$

31) 117°

32)

33) $0.45m$

34) 58100

35) $\$85$

36) $W \rightarrow 520 \times 3 = 1560$

$C \rightarrow 1560 - 340 = 1220$

$M + W + C \rightarrow 520 + 1560 + 1220 = 3300$

There are 3300 people that attended the concert.

37) a) $600m$

b) 10 minutes

c) R to S

38) 1 unit $\rightarrow 46$

8 units $\rightarrow 46 \times 8 = 368$

James had 368 bookmarks at first.

39) a) John $\rightarrow 600$ marbles

600 marbles $\rightarrow 6$ units

1 unit $\rightarrow 600 \div 6 = 100$

Je $\rightarrow 100 \times 2 = 200$

Jeremy has 200 marbles.

b) R $\rightarrow 100 \times 3 = 300$

$R + Jo + Je \rightarrow 300 + 600 + 200 = 1100$

$1100 \div 5 = 220$

Each bag has 220 marbles.

40) a) $\square \rightarrow 4$ sides

1 side $\rightarrow 16cm \div 4 = 4cm$

AB $\rightarrow 4cm + 4cm = 8cm$

AD $\rightarrow 5cm + 4cm = 9cm$

Perimeter $\rightarrow 9cm + 9cm + 8cm + 8cm = 34cm$

The perimeter is 34cm.

40)b) area $\rightarrow 8\text{cm} \times 9\text{cm} = 72\text{cm}^2$
The area is 72cm^2

41)a) Pattern 5 $\rightarrow 16 + 9 = 25$
25 squares are needed to form pattern 5.
b) $21 \times 21 = 441$
441 squares are needed for pattern 21.

42)a) $25\text{cm} \times 21\text{cm} = 525\text{cm}^2$
b) $7 \times 8 = 56$

43) 10 ten dollar notes.

44)a) $24 \rightarrow 2$ units
1 unit $\rightarrow 24 \div 2 = 12$
 $A \rightarrow 12 \times 4 = 48$
Box A has 48 marbles.
b) 7 units $\rightarrow 12 \times 7 = 84$
 $84 \div 4 = 21$
Each boy got 21 marbles.