SINGAPORE CHINESE GIRLS' SCHOOL
FIRST SEMESTRAL ASSESSMENT (2010)
PRIMARY 4
MATHEMATICS

Name:_____(Date:_____

Primary 4 Duration: 1 h 45 min

Parent's signature

_____

100

Booklet A (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.

1. In 45 806, the value of the digit 8 is _____.

(1) 80 (2) 800

(3) 8000 (4) 80 000

2. 2048 ÷ 8 = _____.

(1) 254 (2) 255

(3) 256 (4) 257

3. Which number below is **NOT** a factor of 18?

(1) 2 (2) 6

(3) 18 (4) 36

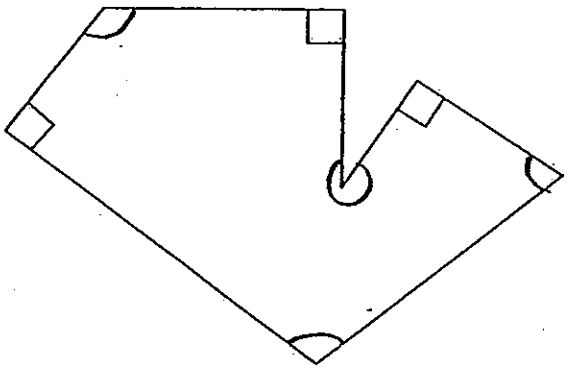
4. 27 161 rounded off to the nearest ten is _____.

(1) 27 100
(2) 27 160
(3) 27 170
(4) 27 200

5. Express $2\frac{2}{9}$ as an improper fraction.

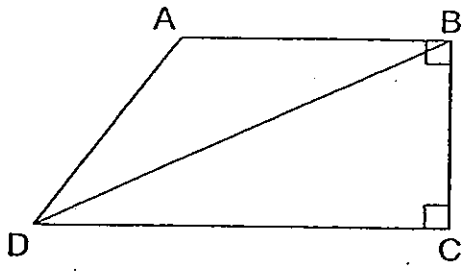
(1) $\frac{18}{9}$
(2) $\frac{7}{3}$
(3) $\frac{20}{9}$
(4) $\frac{13}{9}$

6. How many angles are there in the figure?



(1) 5
(2) 6
(3) 3
(4) 7

7.



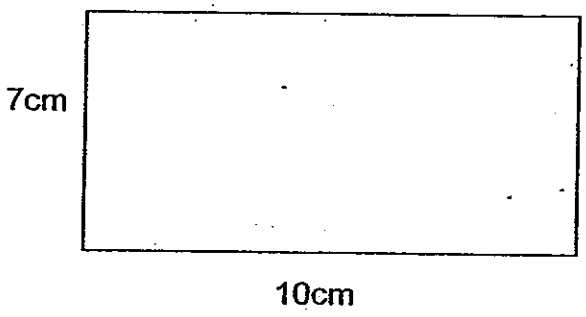
ABCD is a four-sided figure.

Which line is parallel to DC?

(1) AB (2) BC

(3) AD (4) DB

8. Find the perimeter of the rectangle.



(1) 17 cm (2) 34 cm

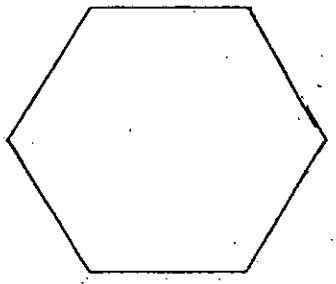
(3) 51 cm (4) 68 cm

9. Mr Lim bought a car for $154 972. Round off the price of the car to the nearest hundred dollars.

(1) $154 000 (2) $154 900

(3) $154 970 (4) $155 000

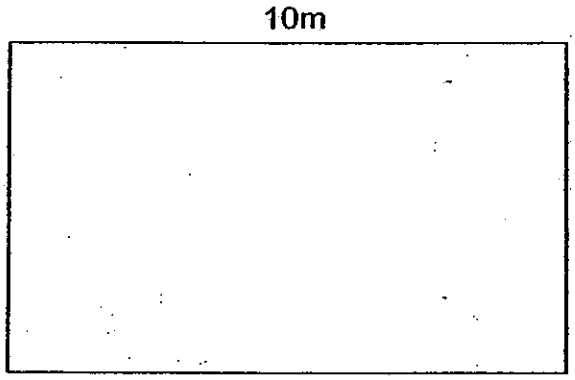
10. How many pairs of parallel lines can you find in the figure below?



(1) 1 (2) 2

(3) 3 (4) 0

11. Find the area of the rectangle given that its perimeter is 32m.



(1) 6 m^2 (2) 12 m^2

(3) 60 m^2 (4) 120 m^2

12. For every $5 that Mandy saves, her mother will give her $2. If she saves $15, how much would she get from her mother altogether?

(1) $6 (2) $15

(3) $21 (4) $28

13. Alan had 80 boxes of marbles. There were 12 marbles in each box. He gave away 70 marbles. How many marbles were left?

(1) 770 (2) 840

(3) 890 (4) 960

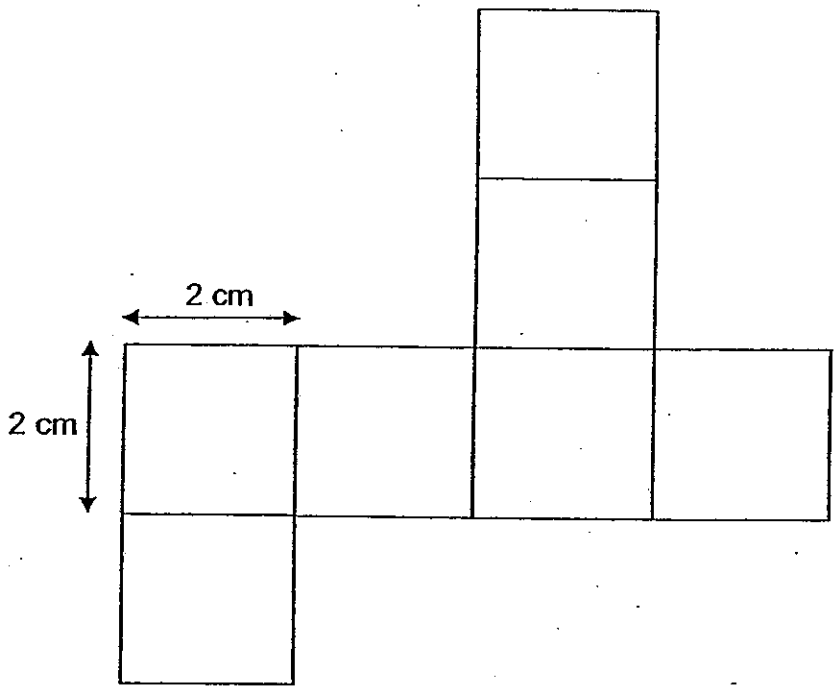
14. The table below shows the favourite sports of the pupils from Primary 4A.
The number of pupils who chose basketball is **twice** that of badminton.
How many pupils chose tennis if there are 40 pupils in the class?

Favourite Sport	Badminton	Basketball	Tennis	Golf	Swimming
Number of pupils	7	?	?	4	2

(1) 12 (2) 13

(3) 14 (4) 15

15. The figure below is made up of 2-cm squares.



What is the area of the figure?

(1) 7 cm^2

(2) 14 cm^2

(3) 28 cm^2

(4) 32 cm^2

Do not writ
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Booklet B
Section A (2 marks each)

Show your working clearly in the space below each question and write your answers in the spaces provided. Give your answers in the units stated.

16. Arrange the numbers in order beginning with the smallest.

34 680	33 903	34 759

Ans: _____ (smallest) , _____ , _____ (greatest)

17. 45 x 26 = _____.

Ans: _____

18. 87 495 = 80000 + _____ + 400 + 90 + 5.

Ans: _____

6

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19. Which of the following has 8 as a factor?

15	18	40	54

Ans: _____

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20. Find the value of $5 - \frac{2}{5} - \frac{1}{10}$.

Express the answer in the simplest form.

Ans: _____

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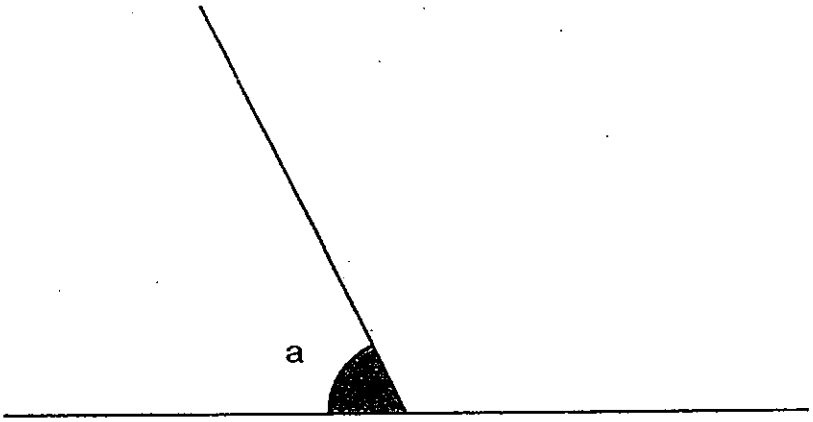
21. Arrange the following fractions from the greatest to the smallest.

$\frac{11}{12}$, $\frac{5}{6}$, $\frac{5}{12}$

Ans: _____ (greatest) , _____ , _____ (smallest)

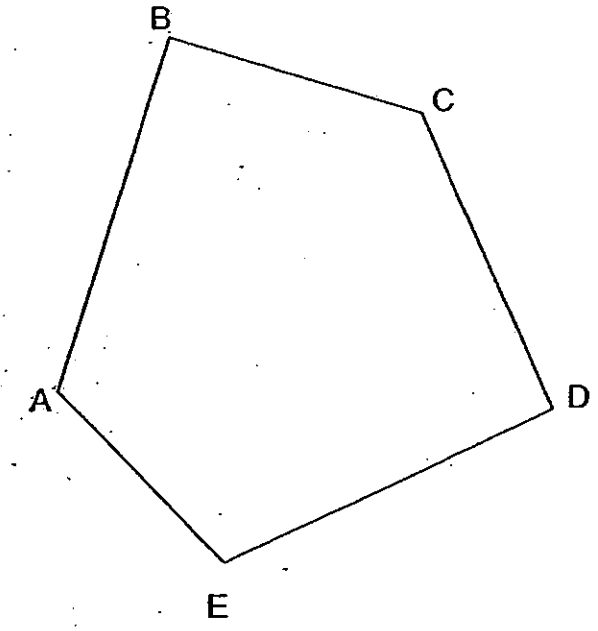
6

22. Measure $\angle a$.



Ans: _____ °

23. Name a pair of perpendicular lines in the figure.



Ans: _____ ⊥ _____

24. What is the sum of the values of digit '5' in | 58 392 | and | 450 | ?

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Ans: _____

25. Dave and Sam have 286 stamps. Dave has 22 less stamps than Sam. How many stamps does Dave have?

Ans: _____ stamps

26. A dictionary costs $28. If each textbook costs half as much as the dictionary, how much do 9 textbooks cost?

Ans: $_____

6

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27. A number is a common multiple of 3 and 4. It is a two-digit number. It is less than 50. The sum of the two digits is 9. What is the number?

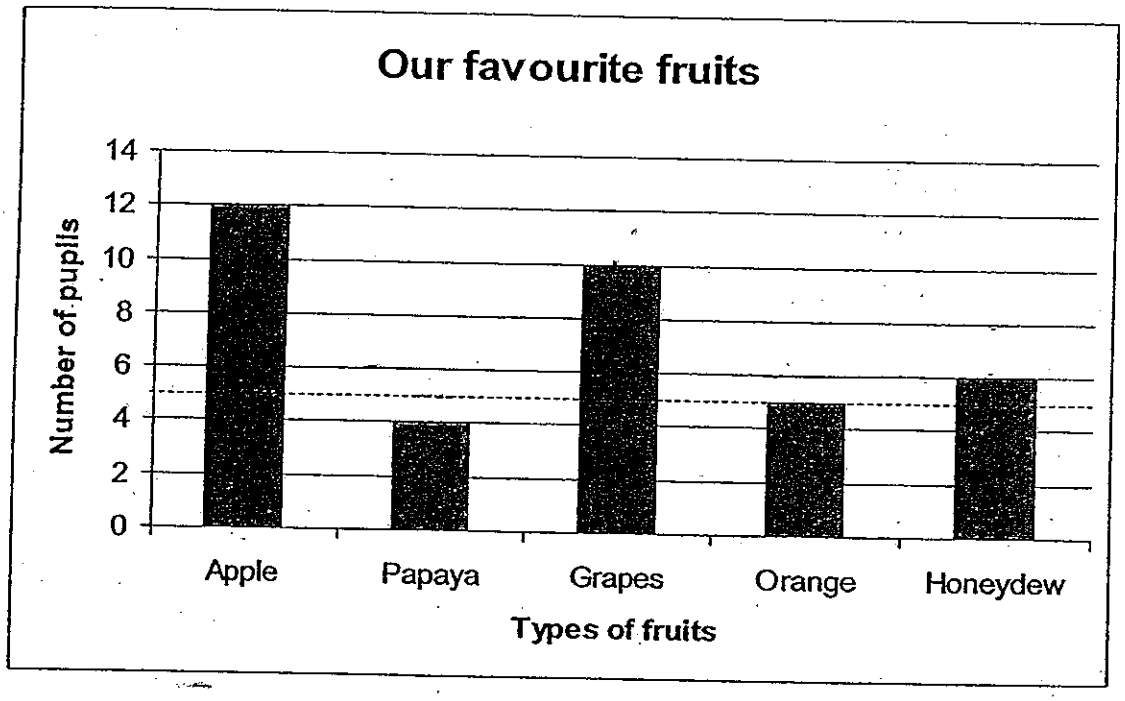
Ans:_____

28. Dave earns \$2700 a month. He saves $\frac{1}{9}$ of his monthly salary and spends the rest. How much does he spend?

Ans: \$_____

4

29. The bar graph shows the various types of fruits the pupils like in a class. Study the graph carefully and answer Questions 29.



Which fruit was thrice as popular as papaya?

Ans: _____

2

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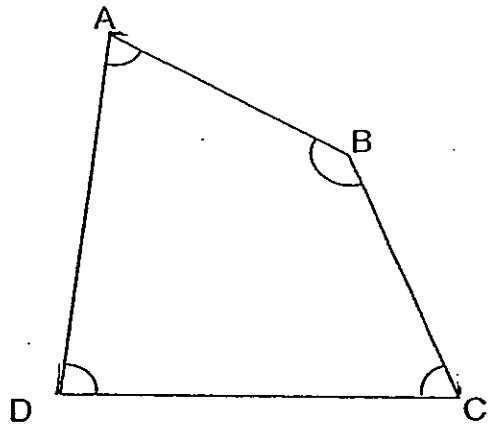
30. The figure below is not drawn to scale. Which one of the angles in the figure below could be 110°?



Ans: ∠ _____

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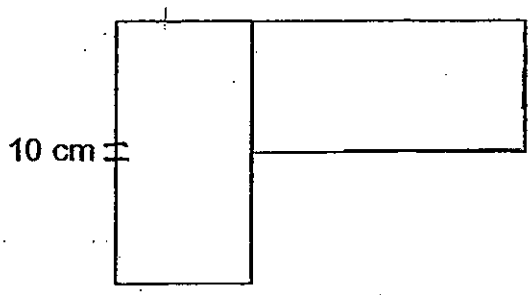
31. The figure below is made up of 2 identical rectangles. The length of the rectangle is twice that of the breadth. What is the perimeter of the figure?



Ans: _____cm

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32. A machine can produce 10 cartons of milk in an hour. How many hours are required to produce 160 cartons of milk?

Ans: _____ hours

33. $\frac{1}{6}$ of the audience in the concert hall are men. $\frac{2}{3}$ of them are women. The rest are children. If there are 260 children, how many people attended the concert?

Ans: _____ people

4

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34. Study the table below carefully. Peggy has twice as many stickers as John. Ally has thrice as many stickers as Peggy. What is the total number of stickers they have altogether?

	Peggy	*John*	*Ally*
No. of stickers	200	100	600

Ans: _____stickers

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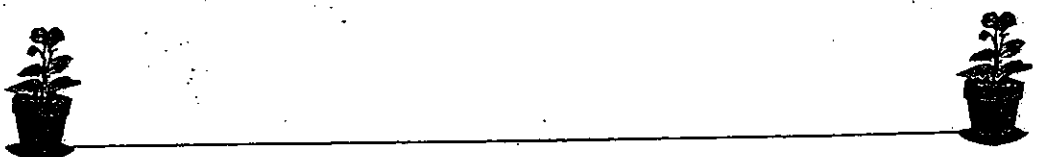
35. A gardener placed pots of flowers from point A to point B as shown below. Each pot of flowers is 2m apart. If he placed 18 pots of flowers altogether, find the distance between A and B.



Ans: _____m

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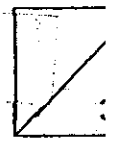
Booklet B
Section B

Work out the following problems. All working must be clearly shown in spaces provided.

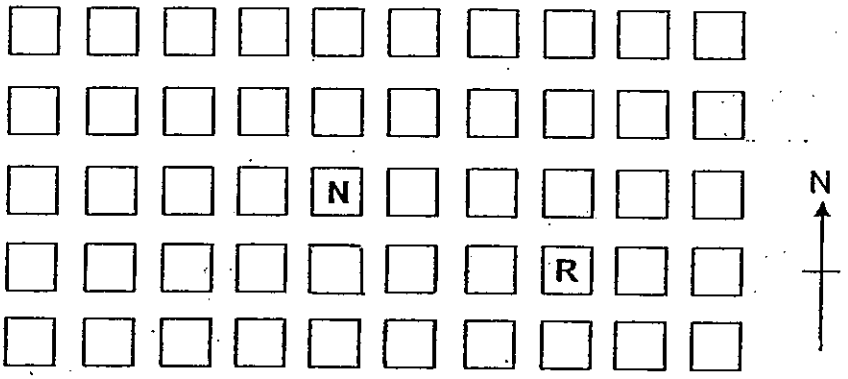
The number of marks available is shown in brackets [ ] at the end of each question or part-question.

36. Draw the given angle. Name and mark the angle clearly.

$\angle ABC = 125°$ [3]

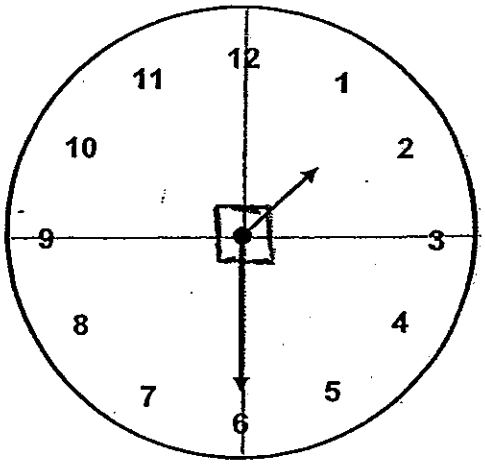


37a) Look at the diagram of a classroom below.



Nadine sits at the seat marked **N** and Ryan sits at the seat marked **R**.
Shade the seat that is west of Ryan and south of Nadine. [2]

37 b) How many right angles has the minute hand turned through from 1.30p.m. to 3p.m? [3]



Ans: _____ [2]

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38. Andrew read $\frac{3}{8}$ of a book on Sunday and $\frac{1}{4}$ of the book on Monday.

If he has read 250 pages, how many pages are there in the book?

Ans: _____ [3]

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39. Ethan is 14 years older than Alexandra. 5 years ago, the sum of their age was 46. How old is Ethan now?

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Ans: _____ [3]

3

40. Catherine, Sammy and Alex bought 253 T-shirts altogether. Alex bought 30 T-shirts fewer than Sammy. Sammy bought 28 T-shirts fewer than Catherine. Find the number of T-shirts Catherine bought.

Ans: _____ [4]

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4

41. Jasmine bought a book, 2 pens and a pencil. A book cost 4 times as much as a pen. The cost of a pen was twice the cost of a pencil. Jasmine spent $13 in all. Find the cost of the book.

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Ans: _____ [4]

4

42. Kim and Judy had the same number of stickers at first. After Kim bought another 23 stickers and Judy lost 5 stickers, Kim had twice as many stickers as Judy. How many stickers did each of them have at first?

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Ans: _____ [4]

4

43. A group of pupils and their teachers went on an excursion. The school paid $105 for their lunch. The cost of an adult's lunch is $5 and a child's lunch is $3. Given that there were 10 times as many pupils as teachers, how many people went on the excursion?

Ans: _____ [5]

5

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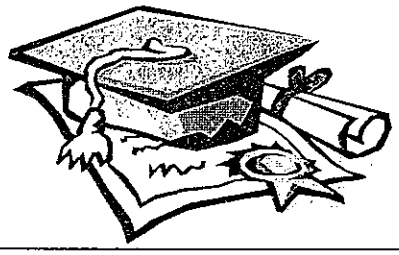
END OF PAPER

PLEASE CHECK YOUR WORK.

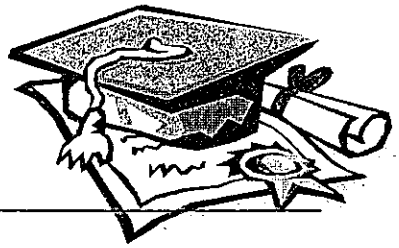


ANSWER SHEET

EXAM PAPER 2010

SCHOOL : SCGS PRIMARY
SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA1



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

16)33903, 34680, 34759 **17)1170** **18)7000** **19)40**

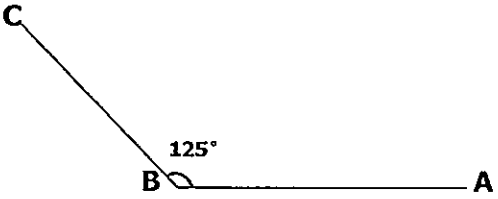
20)4½ **21)11/12, 5/6, 5/12** **22)64°** **23)AB⊥BC** **24)50050**

25)132 stamps **26)$126** **27)36** **28)$2400** **29)Apple**

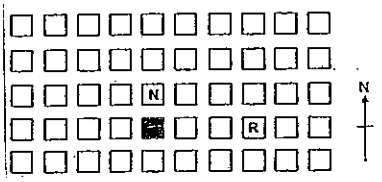
30)∠ABC **31)50cm** **32)16** **33)1560 people** **34)900 stickers**

35)34m

36)



37)a)



37b)6

38)No.of pages in the book→50 x 8 = 400

39)total age (now)→10 + 46 = 56
2u→56 + 14 = 70
Ethan→70 ÷ 2 = 35

40)3u→253 – 88 = 165
1u→165÷ 3 = 55
Catherine→55 + 30 + 28 = 113

41)1u→13 ÷ 13 = 1
Book→1 x 8 = $8

42)1u→23 + 5 = 28
Judy→28 + 5 = 33

43)10 x 3 = 30
5 x 1 = 5
30 + 5 = 35
105 ÷ 35 = 3
3 x 10 = 30
3 x 1 =3
30 + 3 = 33