PRIMARY 5 END-OF-YEAR EXAMINATION 2011

Name : _____( ) Date: 28 October 2011

Class : Primary 5 ( ) Time: 8.00 a.m. - 8.50 a.m.

Parent's Signature : _____ Marks: _____ / 100

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS

PAPER 1

(BOOKLET A)

20

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided.
6. You are **not** allowed to use a calculator.

29

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. 9 700 000 = 970 x _____

   What is the missing number in the blank ?

   (1) 100
   (2) 1000
   (3) 10 000
   (4) 100 000

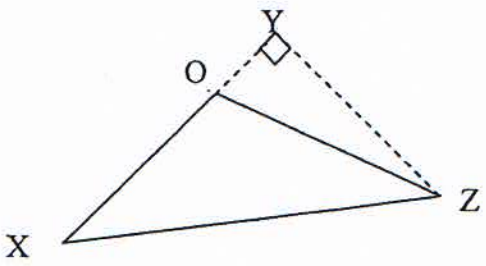
2. In 839 651, the digit 8 is in the _____ place.

   (1) hundreds
   (2) thousands
   (3) ten thousands
   (4) hundred thousands

3. Which of the following is closest to 8 ?

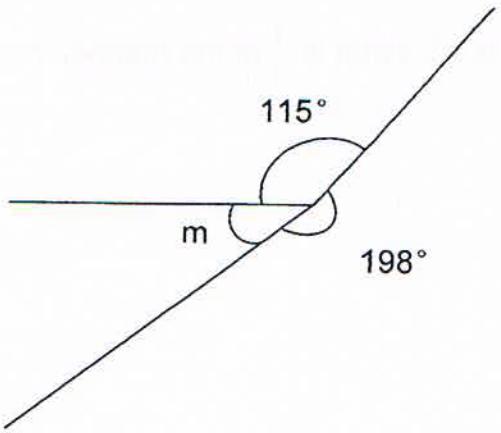
   (1) 7.091
   (2) 7.908
   (3) 8.009
   (4) 8.132

4. In the figure shown below, what is the base of Triangle XOZ given that the height is YZ ?



(1) OX
(2) OY
(3) XY
(4) XZ

5. The figure below is not drawn to scale. Find ∠m.



(1) 47 °
(2) 65 °
(3) 162 °
(4) 245°

6. If $\frac{12}{25}$ of the fruits at the fruit stall are sold, what percentage of the fruits are **not sold** ?

(1) 12 %
(2) 13 %
(3) 48 %
(4) 52 %

7. What is 5 tenths more than 18.98 ?

(1) 19.03
(2) 19.48
(3) 23.98
(4) 68.98

8. $\frac{5}{6}$ of a number is 30. What is $\frac{1}{2}$ of the number ?

(1) 5
(2) 15
(3) 18
(4) 36

9. The total mass of three kittens is 5.4 kg. The average mass of two of the kittens is 1.65 kg. What is the mass of the third kitten ?

(1) 2.1 kg
(2) 3.3 kg
(3) 3.75 kg
(4) 7.05 kg

10. What percentage of 4 kg is 120 g ?

(1) 12 %
(2) 30 %
(3) 3 %
(4) 48 %

11. There were 315 chairs in each of the 5 rows in the hall. Rose removed 75 chairs and rearranged all of them into 3 rows. Which number sentence below will give the number of chairs in each row ?

(1) $315 \times 5 - 75 \div 3$
(2) $(315 \times 5 - 75) \div 3$
(3) $(315 \times 5) - 75 \div 3$
(4) $(315 \times 5) - (75 \div 3)$

12. $\frac{3}{8}$ of Lily's mass is the same as $\frac{2}{5}$ of Mary's mass. Find the ratio of Lily's mass to their total mass.

(1) 15 : 16
(2) 15 : 31
(3) 16 : 15
(4) 16 : 31

13. The diagram below shows a sticker that measures 4 cm by 6 cm. If 6 such stickers are placed together to form a large rectangle, what is the largest possible perimeter of the large rectangle ?

(1) 48 cm
(2) 52 cm
(3) 80 cm
(4) 144 cm

14. A bag can hold 12 markers or 15 pens. If there are already 4 markers and 5 pens, how many more markers can be put into the bag ?

(1) 5
(2) 8
(3) 3
(4) 4

15. Minmin and Ken shared the cost of a meal. Minmin paid \$5 more than $\frac{2}{7}$ of the cost of the meal. Ken paid \$15. How much did the meal cost ?

(1) \$14
(2) \$21
(3) \$26
(4) \$28

TAO NAN SCHOOL 道南学校

SINCERITY & PERSEVERANCE

PRIMARY 5 END-OF-YEAR EXAMINATION 2011

Name : _____ ( ) Date: 28 October 2011

Class : Primary 5 ( ) Time: 8.00 a.m. - 8.50 a.m.

Parent's Signature : _____

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS

PAPER 1

(BOOKLET B)

20

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.
6. You are **not** allowed to use a calculator.

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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. Write 8 713 011 in words.

Ans. _____

17. Write 7 tens and 8 thousandths in numerals.

Ans: _____

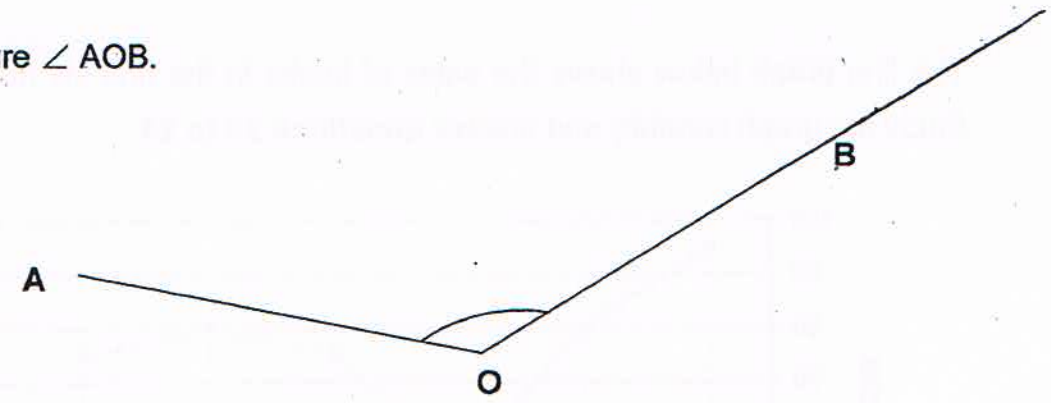
18. A piece of wire is cut into two pieces, $3\frac{1}{5}$ m and $2\frac{2}{3}$ m long. What is the length of the wire at first ?

Ans: _____ m

19. What is the maximum number of squares of sides 3 cm which can be cut from a rectangular piece of paper measuring 45 cm by 32 cm ?

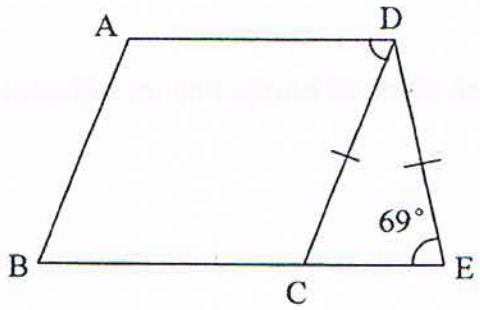
Ans: _____

20. Measure $\angle$ AOB.



Ans: _____

21. In the figure, ABCD is a parallelogram and CDE is an isosceles triangle. Find $\angle$ ADC.



Ans: _____ °

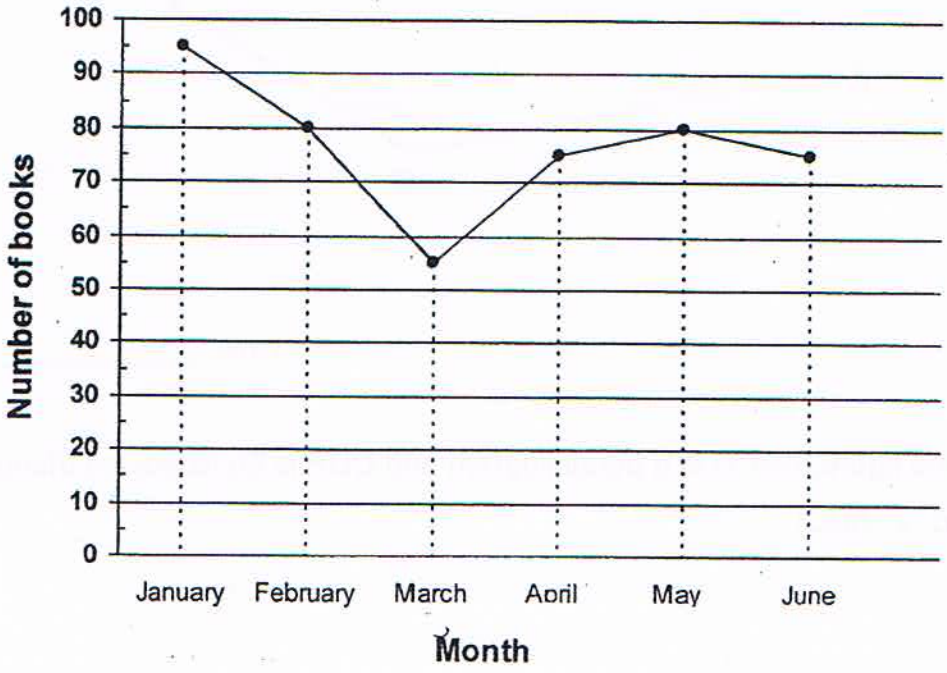
22. Find the average of the numbers below.

8 , 0 , 12 , 28

Ans: _____

37

The line graph below shows the sales of books in the first six months of the year. Study the graph carefully and answer **questions 23 to 25.**



23. The greatest decrease in the sales of books occurs between _____ and _____.

Ans: _____ and _____

24. What is the average number of books sold in the six months? Round off the answer to the nearest whole number.

Ans: _____

25. What is the ratio of the least number of books sold to the greatest number of books sold?

Ans: _____

Questions **26** to **30** 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)

26. $13 \times 8 = 104$

$39 \times 24 =$ _____ $\times 104$

The missing number in the blank is _____ .

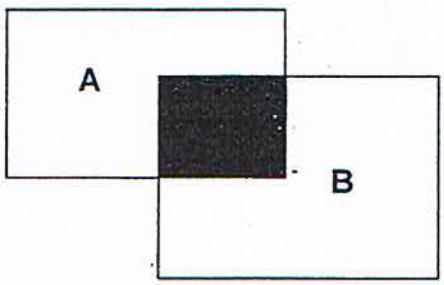
Ans: _____

27. Three times a number is greater than $\frac{3}{4}$ of the number by 126.

What is the number ?

Ans: _____

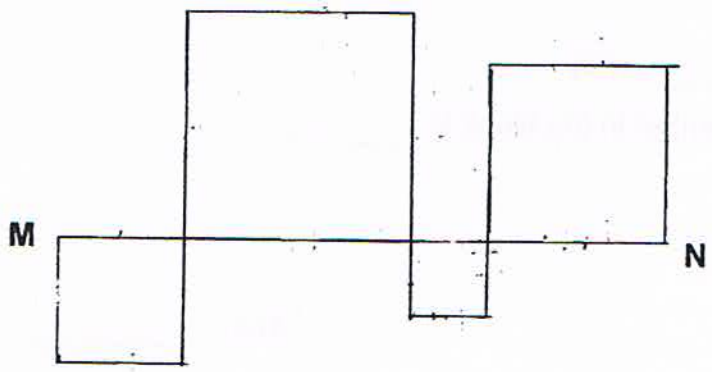
28. The ratio of the area of Rectangle A to the shaded part is 7 : 3. The ratio of the area of Rectangle B to the shaded part is 5 : 2. What is the ratio of the area of Rectangle A to that of Rectangle B ?



Ans: _____

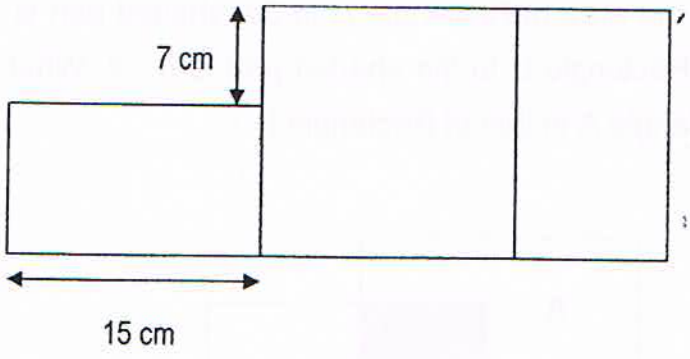
39

29. The figure below is made up of 4 squares. It is made with a piece of wire that is 6.4 m long. Find the length of MN.



Ans: _____ m

30. The figure below is made up of two identical rectangles and a square. Find the area of the figure.



Ans: _____ cm^2

END OF PAPER

TAO NAN SCHOOL 道南学校

SINCERITY & PERSEVERANCE

PRIMARY 5 END-OF-YEAR EXAMINATION 2011

Name : _____( ) Date: 28 October 2011

Class : Primary 5 ( ) Time: 10.00 a.m. – 11.40 a.m.

Parent's Signature : _____

MATHEMATICS

PAPER 2

/ 60

INSTRUCTIONS TO CANDIDATE

1. Write your name, class and register no.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Show your working clearly as marks are awarded for correct working.
6. You are allowed to use a calculator.

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. What is the difference between 6.82 km and 3 km 55 m ? Express your answer in kilometres and metres.

Ans: _____ km _____ m

2. A number is between 20 and 30. When it is divided by 3, the answer is a whole number. When it is divided by 4, the answer is also a whole number. What is the number?

Ans: _____

3. For every $50 spent at the supermarket, you get 2 bonus stickers. You need 30 bonus stickers to redeem for a cooking pot. What is the least amount you must spend to get the cooking pot?

Ans: $_____

4. The Golden Dragon Chinese Restaurant opens from **Tuesday to Sunday** for the time shown in the table below.

Opening hours
10.00 a.m. to 2.30 p.m.
5.30 p.m. to 10.30 p.m.

How many hours does the restaurant open each week?

Ans: _____

5. The table below shows the number of pupils from Primary 4A and 4B who took the National Physical Fitness Assessment (NAPFA) Test.

Class	**4A**	**4B**
Number of pupils who took the test	**45**	**35**
Number of pupils who passed	**36**	**?**

How many pupils from Class 4B have to pass the test so that the overall percentage of students who passed the test for both Class 4A and Class 4B is 62.5% ?

Ans: _____

For 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. There are some poles along a road. The poles are placed at an equal distance apart. The distance between 3 poles is 90 m. What is the distance between 10 poles? Express your answer in kilometres.

Ans: _____ [3]

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7. At a party, Maria ate half of the pizza and Siti ate $\frac{1}{4}$ of the remaining pizza. The rest was shared equally among 3 boys. What fraction of the pizza did each of the 3 boys get?

Ans: _____ [3]

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8. Peter mixed 2.15 ℓ of syrup with 7 times as much water to make fruit punch. He poured the fruit punch equally into 15 jugs. Find the volume of fruit punch in each jug in litres, correct to 2 decimal places.

Ans: _____ [3]

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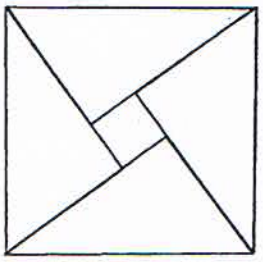
9. During a fundraising event, Frida and Isabel collected some $2 and $5 notes in the ratio of 8 : 11. They collected 48 $2 notes. How much money did they collect altogether ?

Ans: _____ [3]

05

10. The big square shows 4 identical right-angled triangles and a small square. For each right-angled triangle, the two sides which form the right angle are 16 cm and 12 cm long. Find the area of the big square.



Ans: _____ [3]

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11. Mrs Lee sold an average of 237 cupcakes per day from Monday to Thursday. From Friday to Sunday, she sold an average of 363 cupcakes per day. What is the average number of cupcakes sold per day in a week ?

Ans: _____ [3]

---

12. In the ASEAN School Games' opening ceremony, there were a total of 432 athletes from Singapore, Malaysia and Hong Kong. $\frac{1}{4}$ of the athletes are from Hong Kong. The ratio of the number of athletes from Singapore to the number of athletes from Malaysia is 4 : 5.

(a) Which country has the most number of athletes ?

(b) How many athletes are from the country with the most number of athletes ?

Ans: (a)_____ [1]

(b)_____ [3]

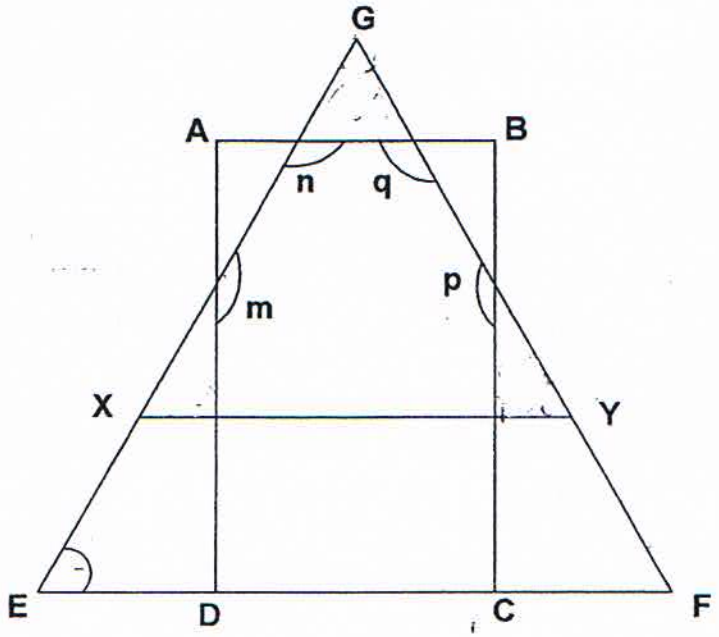
13. In a quiz, there was a total of 100 questions. For every correct answer, 4 marks were awarded. 2 marks were deducted for every wrong answer. Jane scored a total of 232 marks. How many questions did she answer **incorrectly**?

Ans: _____ [4]

14. In the figure below, GXY is an equilateral triangle, ABCD is a rectangle and XYFE is a trapezium. GXE and GYF are straight lines.

(a) Find $\angle XED$.

(b) Find the sum of $\angle m$, $\angle n$, $\angle q$ and $\angle p$.



(b) _____ [3]

15. Ahmed and his friends went for a buffet dinner. The restaurant charges $38 per person. For every 4 paying persons, 1 person dines for free. How many friends did Ahmed bring with him if they paid $570 ?

Ans: _____ [5]

16. Devi wanted to buy 8 kg of durians but she was short of $ 28.40. She then decided to buy 6 kg of durians but was still short of $ 8.80.

(a) What was the cost of 1 kg of durians ?

(b) If she were to buy 10 kg of durians, how much more money does she need ?

Ans: (a)_____ [2]

Ans: (b)_____ [3]

5\

17. There were some rows of chairs in a room. Each row had 5 chairs. When Keith brought in 2 extra chairs and rearranged all the chairs, there were 4 chairs in each row and 3 more rows then before. How many chairs were there at first?

Ans: _____ [5]

18. Felicia had a sum of money. The original price of the refrigerator was $7100 and she bought it at a discount of 30%. She then spent $\frac{2}{5}$ of the remainder on a vacuum cleaner. She then had $\frac{1}{4}$ of her money left.

(a) What percentage of her money did she spend on the vacuum cleaner ? (Express your answer as a fraction in its simplest form)

(b) How much had she at first ?

Ans: (a) _____ [3]

Ans: (b) _____ [2]

END OF PAPER

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Answer Ke

EXAM PAPER 2011

SCHOOL : TAO NAN
SUBJECT : PRIMARY 5 MATHEAMATICS

TERM : SA2

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

16)Eight million, seven hundred and thirteen thousand and eleven

17)70.008 **18)$5\frac{13}{15}$m** **19)150** **20)137°** **21)69°**

22)12 **23)February and March** **24)77** **25)11:19** **26)9**

27)56 **28)14:15** **29)1.6m** **30)456cm^2**

Paper 2

1)3km 55m = 3.055km
6.82 – 3.055 = 3.765
3.765km = 3km 765m
The difference is 3km 765m

2)The number is 24

3)30 ÷ 2 = 15
15 x 50 = 750
You must spend $750

4)2h + 2h 30min + 5h = 9h 30min
9h 30min x 6 = 57h
The restaurant opens for 57h each week

5)45 + 35 = 80
80 x 62.5% = 50
50 – 36 = 14
14 pupils have to pass

6)3 – 1 = 2
90 ÷ 2 = 45
10 – 1 = 9
45 x 9 = 405
405m = 0.405km
The distance is 0.405km

7)$1 - \frac{1}{4} = \frac{3}{4}$
$1 - \frac{1}{2} = \frac{1}{2}$
$\frac{1}{2} \times \frac{3}{4} = 3/8$
$3/8 \div 3 = 1/8$
Each boy got 1/8 of the pizza

8)7 + 1 = 8
2.15 x 8 = 17.2
$17.2 \div 15 = 1\frac{11}{75} \approx 1.15$
The volume is about 1.15L

9)48÷8 = 6
6 x 11 = 66
66 x 5 = 330
2 x 48 = 96
330 + 96 = 426
They collected $426

10)16 – 12 = 4
4 x 4 = 16
½ x 16 x 12 = 96
96 x 4 = 384
384 + 16 = 400
The area is 400cm2

11)237 x 4 = 948
363 x 3 = 1089
1089 + 948 = 2037
2037÷7 = 291
The average is 291

12)432 x ¼ = 108
1 – ¼ = ¾
4 + 5 = 9
4/9 x ¾ = 1/3
432 x 1/3 = 144
5/9 x ¾ = 5/12
432 x 5/12 = 180
a)Malaysia has the most number of athletes.
b)Malaysia has 180 athletes.

13)4 + 2 = 6
100 x 4 = 400
400 – 232 = 168
168 ÷ 6 = 28
She answered 28 questions incorrectly

16)a)8 – 6 = 2
28.4 – 8.8 = 19.6
19.6÷2 = 9.8
1kg of durians cost $9.80
b)9.8 x 10 = 98
9.8 x 6 – 8.8 = 50
98 – 50 = 48
she needs $48 more

17)There were 50 chairs

14)a)180° – 60° = 120°
180° – 120° = 60°
∠XED is 60°
b)180° – 90° = 90°
180° x 2 = 360°
360° – 90° = 270°
270° x 2 =540°
The sum is 540°

18)a)100% - 30% = 70%
7100 x 70% = 4970
1 – 2/5 = 3/5
3/5 x 4 = 12/5 = 2 2/5
2/5÷2 2/5 = 1/6
1/6 x 100% = 16 2/3%
The percentage is 16 2/3%
b)1 – 1/6 – ¼ = 7/12
4970÷7 x 12 = 8520
She had $8520

15)38 x 4 = 152
4 + 1 = 5
570÷152 = 3.75 ≈3
3 x 152 = 456
570 – 456 = 114
114÷38 = 3
3 x 5 = 15
15 + 3 = 18
18 – 1 = 17
He brought 17 friends