Name : _____ ( )

Class : P 5 _____

CATHOLIC HIGH SCHOOL

PRIMARY FIVE

MID-YEAR EXAMINATIONS 2008

MATHEMATICS

PAPER 1

(BOOKLET A)

Total Time for Booklets A and B: 50 min

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Shade your answers in the Optical Answer Sheet (OAS) provided.

You are **not** 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 on the Optical Answer Sheet.

(20 marks)

---

1. What is the missing number in the box?

   7 000 000 + ☐ + 7 000 + 70 = 7 707 070

   (1) 700

   (2) 7 000

   (3) 70 000

   (4) 700 000

---

2. Jon had $\frac{3}{4}l$ of water. He poured it into 6 equal cups. What was the amount of water in each cup?

   (1) $\frac{1}{8}l$

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

   (3) $4\frac{1}{2}l$

   (4) $8l$

---

3. Which of the following is less than $\frac{1}{2}$?

   (1) $\frac{4}{5}$

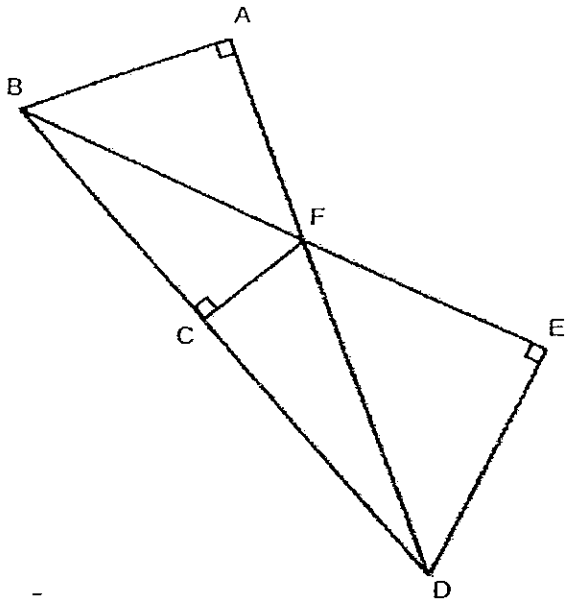
   (2) $\frac{4}{7}$

   (3) $\frac{5}{9}$

   (4) $\frac{5}{11}$

(Go to the next page)

4.



In the above figure, if BF is the base of ΔBFD, which of the following is the corresponding perpendicular height?

(1) AB

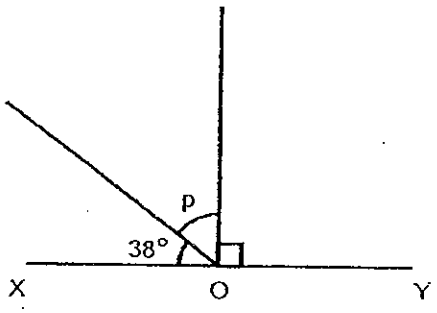
(2) CF

(3) DE

(4) FD

---

5. In the diagram below, XOY is a straight line. Find $\angle p$.



(1) 38°

(2) 52°

(3) 90°

(4) 142°

(Go to the next page)

6. Which of the following is the **best** estimate for 505×38?

(1) 500×30

(2) 500×40

(3) 600×30

(4) 600×40

---

7. In a long-jump event, the total distance covered by 3 boys was 555cm while the total distance covered by 2 girls was 350cm. Find the average distance covered by the 5 children.

(1) 175cm

(2) 181cm

(3) 185cm

(4) 205cm

---

8. In 2 957 183, the value of the digit 9 is _____ times the value of the digit 1.

(1) 9

(2) 90

(3) 900

(4) 9 000

---

9. Arrange the following fractions in descending order.

$$\frac{5}{9}, \frac{1}{3}, \frac{3}{5}, 1\frac{1}{5}$$

(1) $1\frac{1}{5}, \frac{5}{9}, \frac{3}{5}, \frac{1}{3}$

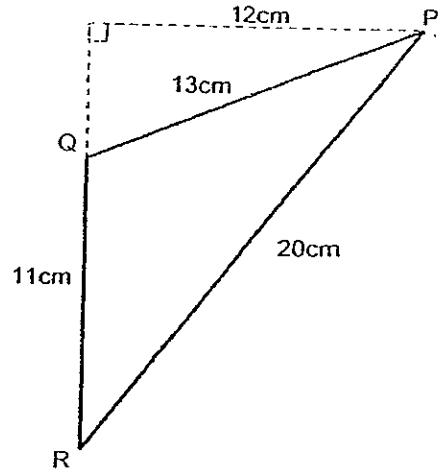
(2) $\frac{5}{9}, \frac{3}{5}, 1\frac{1}{5}, \frac{1}{3}$

(3) $1\frac{1}{5}, \frac{3}{5}, \frac{5}{9}, \frac{1}{3}$

(4) $\frac{1}{3}, \frac{3}{5}, \frac{5}{9}, 1\frac{1}{5}$

(Go to the next page)

10. The area of the triangle PQR is _____ cm^2.



(1) 66
(2) 78
(3) 110
(4) 130

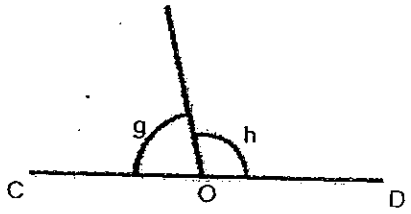
---

11. What is the value of $96 \div (4 + 8) \times 7 - 2$?

(1) 36
(2) 40
(3) 54
(4) 73

---

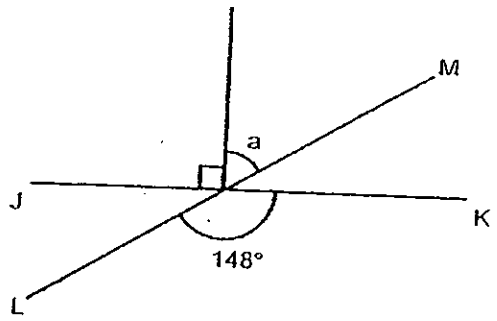
12. In the figure, nct drawn to scale, COD is a straight line. If ∠h is 26° greater than ∠g, find ∠h.



(1) 64°
(2) 77°
(3) 103°
(4) 116°

(Go to the next page)

13. JK and LM are straight lines. In the figure, what is the value of $\angle a$?



(1) 32°

(2) 45°

(3) 58°

(4) 90°

---

14. Xavier, Yusof and Zoe shared a number of sweets. Xavier received twice as many sweets as Yusof. Zoe received twice as many sweets as Yusof. What fraction of the number of sweets did Xavier receive?

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

(2) $\frac{2}{5}$

(3) $\frac{3}{4}$

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

---

15. A triangle of height 12cm and base 6cm is cut from each of the four corners of a square. The side of the square is 24cm. What is the area of the remaining figure?

(1) $144cm^2$

(2) $288cm^2$

(3) $432cm^2$

(4) $576cm^2$

Name : _____ ( )

Class : P 5 _____

CATHOLIC HIGH SCHOOL

PRIMARY FIVE

MID-YEAR EXAMINATIONS 2008

MATHEMATICS

PAPER 1

(BOOKLET B)

Total Time for Booklets A and B: 50 min

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Show your working clearly as marks are awarded for correct working.

Write your answers in this booklet.

You are **not** allowed to use a calculator.

Marks	Max Mark
	20

Questions **16** to **25** carry 1 mark each. Write your answers in the space provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space

16. Express 8 290 046 in words.

Ans: _____

17. How many two-thirds are there in 6?

Ans: _____

18. Susie saved an average of $125 a month.

How much money did she save in $3\frac{2}{5}$ months?

Ans: $ _____

19. $\frac{8}{12} = \frac{2}{\square}$

What is the missing number in the box?

Ans: _____

(Go to the next page)

Do not write in this space

20. The table below shows the number of crickets found by 3 boys in the field. After Larry found some more crickets, the average number of crickets found by each boy became 6. How many more crickets did Larry ~~found~~ find?

Marcus	5
Larry	3
Steve	4

Ans: _____

21. There are between 60 and 100 apples in a box. The apples can be shared equally among 4 and 7 children. How many apples are there in the box?

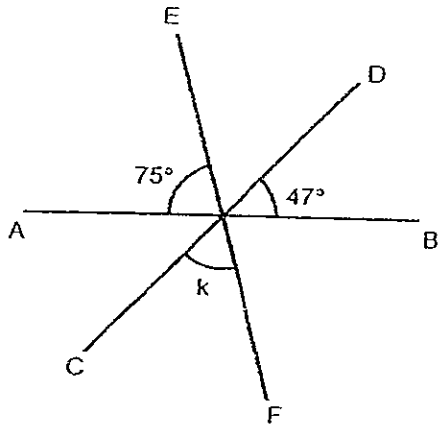
Ans: _____

22. Nicole bought $\frac{4}{5}$ kg of flour and used $\frac{7}{10}$ kg of it to bake a ~~bake~~ cake. How much was left?

Ans: _____ kg

(Go to the next page)

23. In the figure, not drawn to scale, AB, CD and EF are straight lines. Find ∠k.



Do not write in this space

Ans: _____ °

24. Cubes are packed in 5 layers in a container. Each layer has 9 rows with 13 cubes in each row. How many cubes are there in the container?

Ans: _____

25. In $\square - 5\frac{1}{4} = 2\frac{5}{12}$, what is the missing fraction in the box?

Ans: _____

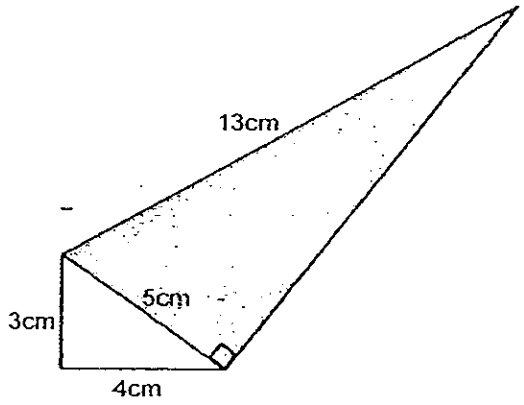
Total marks for questions 16 to 25

(Go to the next page)

Questions **26** to **30** carry 2 marks each. Show your working 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. (20 marks)

Do not write in this space

26. The perimeter of the figure is 32cm. Find the area of the shaded part.



Ans: _____ cm^2

27. During an excursion, there are 7 groups of pupils with 38 pupils in each group. If 1 bus could take 30 pupils, what is the least number of buses needed for the excursion?

Ans: _____

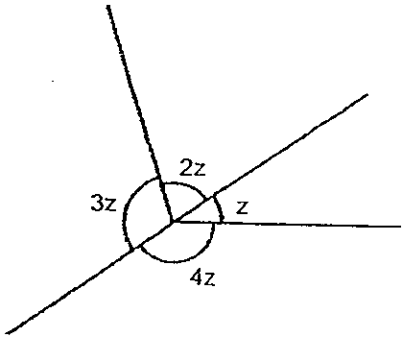
(Go to the next page)

28. Guo Wei paints $\frac{1}{2}$ of the wall on Monday and another $\frac{1}{5}$ of it on Tuesday. If he paints $\frac{1}{10}$ of the wall every day from Wednesday onwards, how many days will he need to complete painting the wall?

Do not write in this space

Ans: _____

29. Find the value of 'z' in the figure below.



Ans: _____ °

30. For every $5 Amanda has, Julie has $8. How much do they have altogether if Julie has $144?

Ans: $ _____

End of Paper 1

Name : _____ ( )

Class : P 5 _____

CATHOLIC HIGH SCHOOL

PRIMARY FIVE

MID-YEAR EXAMINATIONS 2008

MATHEMATICS

PAPER 2

Paper 1 Booklet A	20
Paper 1 Booklet B	20
Paper 2	60
Total Marks	100

Total Time: 1 h 40 min

Parent's Signature: _____

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Show your working clearly as marks are awarded for correct working.

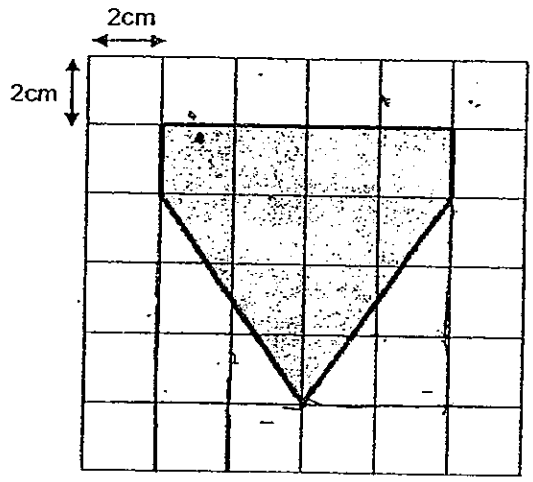
Write your answers in this booklet.

You are allowed to use a calculator.

Questions 1 to 5 carry 2 marks each. Show your working 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.
(20 marks)

Do not write in this space

1. What is the area of the shaded figure?



Ans: _____ cm^2

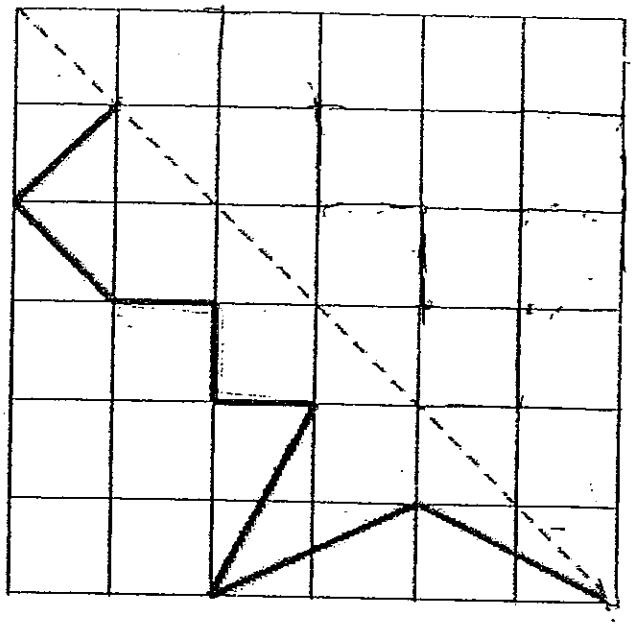
2. A piece of paper is torn into two pieces. The area of the smaller piece is $\frac{5}{12}$ of the total area of the paper. If the difference in the area of the two pieces is $92cm^2$, what is the area of the bigger piece?

Ans: _____ cm^2

(Go to the next page)

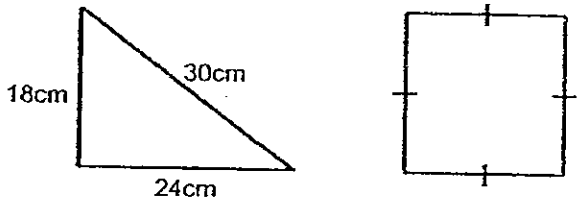
3. Complete the figure so that the dashed line is a line of symmetry of the figure.

Do not write in this space



4. The average perimeter of the triangle and the square below is 68cm.

Find the length of the square.



Ans: _____ cm

(Go to the next page)

5. Tina bought 4 pancakes. She cut each of them into 8 equal portions and gave 22 portions away. What fraction of a pancake was left? (Answer in simplest form)

Do not write in this space

Ans: _____

(Go to the next page)

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)

Do not write in this space

6. The number of cookies in tin Y is $\frac{1}{4}$ of the number of cookies in tin X. After 24 cookies are transferred from tin Y to X, the number of cookies in tin Y is $\frac{1}{7}$ of the number of cookies in tin X. How many cookies are there in Tin X in the end?

Ans: _____ [3]

7. In an exhibition hall, there are $\frac{5}{7}$ as many ~~female~~ females as ~~male~~ males. After 396 ~~female~~ females and 396 males left the hall, there are now $\frac{7}{12}$ as many ~~female~~ females as ~~male~~ males. How many people are there in the hall in the end?

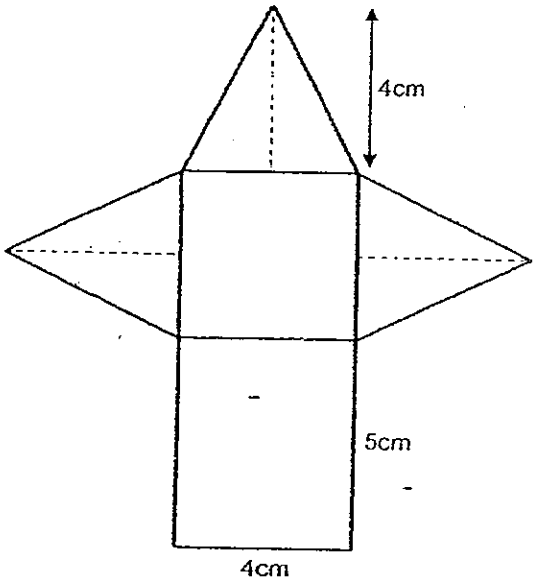
Constant females
diff males

Ans: _____ [3]

(Go to the next page)

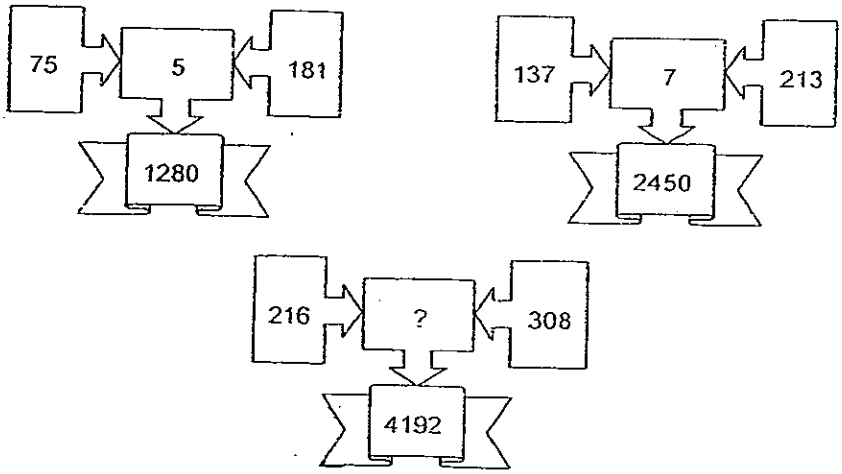
8. The figure below is made up of a square, a rectangle and three identical triangles. Find the area of the figure.

Do not write in this space



Ans: _____ [3]

9. Study the pattern. What is the missing number?

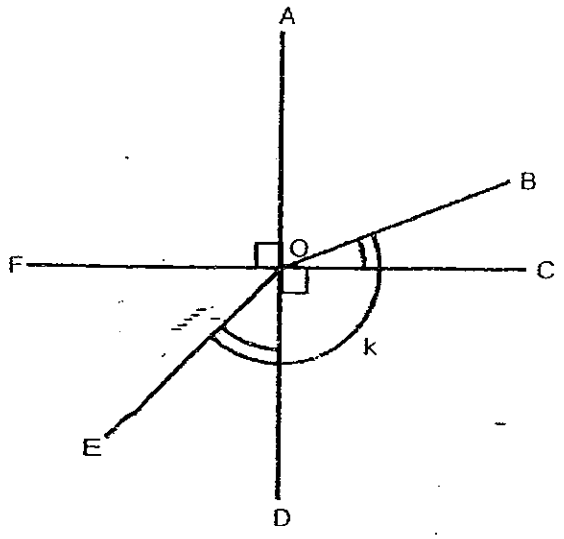


Ans : _____ [3]

(Go to the next page)

10. In the figure below, $\angle AOB = 2\angle BOC$ and $\angle EOF = 46°$. Find the $\angle k$.

Do not write in this space



Ans : _____ [3]

11. Wei En went to a restaurant for dinner. Based on the menu below, how many different combinations of meals could he choose if he wanted to have an appetizer, a main course and a dessert for his dinner?

Appetizer	Main course	Dessert
Salad	Baked rice	Ice-cream
Soup	Grilled chicken	Cheese cake
Calamari	Fish cutlet	Mango pudding

Ans: _____ [3]

(Go to the next page)

12. (a) Find the sum of the first 14 multiples of 7.

(b) Find the average of the first 14 multiples of 7.

Do not write in this space

Ans: a) _____ [3]

b) _____ [1]

13. Jenson has some \$2, \$5 and \$10 notes. The total value of all the notes is \$1 794. $\frac{1}{3}$ of the notes are \$2, $\frac{1}{6}$ are \$5 and the remaining are \$10. What is the total value of \$10 notes does Jenson have?

Ans: _____ [4]

(Go to the next page)

14. Mr Leong went for dinner with his family members with 23 more five-dollar notes than two-dollar notes. After paying $90 for the meal with some five-dollar notes, he has 1.5 times as many five-dollar notes as two-dollar notes. How many five-dollar notes did he have at first?

Do not write in this space

Ans: _____ [4]

(Go to the next page)

15. During a shopping trip, George, Zhi Ming and Fatimah brought a total of $1326. After George spent $\frac{2}{5}$ of his share, Zhi Ming spent $\frac{1}{7}$ of his share and Fatimah spent $\frac{1}{3}$ of her share, they are left with the same amount of money. Find the total amount of money they had spent:

Do not write in this space

Ans:_____ [5]

(Go to the next page)

16. Bob, Mark and James shared some stamps. Bob had $\frac{4}{11}$ of what Mark and James had and Bob had $\frac{1}{2}$ of what Mark had.

(a) If Mark had 104 stamps, how many stamps did James have?

(b) How many stamps did they have altogether?

Do not write in this space

Ans: a)_____ [3]

b)_____ [2]

(Go to the next page)

17. Ruth gave $\frac{3}{5}$ of her sweets to Wendy, $\frac{1}{4}$ of the remainder to Jack and the remaining 45 sweets to Zainai.

(a) What is the difference in the number of sweets collected between Wendy and Zainai?

(b) How many sweets did Ruth have?

Do not write in this space

Ans: a)_____ [3]

b)_____ [2]

(Go to the next page)

18. Guowen was twice as heavy as Carol. Within three months, Guowen loses 33kg. Guowen is 16kg heavier than Carol now.

(a) What is Guowen's mass now?

(b) How much more does Guowen have to lose so that their average mass is 54kg?

Do not write in this space

Ans: a)_____ [2]

b)_____ [3]

End of Paper 2

ANSWER SHEET

EXAM PAPER 2008

SCHOOL : CATHOLIC HIGH PRIMARY SCHOOL
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : SA 1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15

16)Eight million, two hundred and ninety thousand and forty-six

17)9 18)425 19)3 20)6 21)84

22)1/10 23)58 24)585 25)$7_{2/3}$

26)32-18-3-4=12
Area= ½ x5x12=30cm_2

27)38x7=266
266÷30=8R26
8+1=9 buses

28)1- ½-1/5
=10/10-5/10-2/10
=3/10
3/10÷1/10=3/10x10/1=3
1+1+3=5 days

29)4z+3z+2z+z=10Z
360°÷10=36°

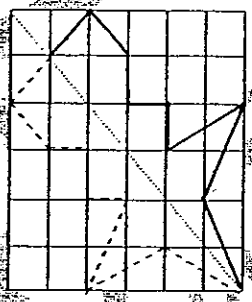
30)144÷8=18
18x5=90
$90+$144=$234

paper 2

1)2x2=4
10x4=40cm$_2$

2)7-5=2
2u→92
1u→92÷2=46
7u→46x7=322cm$_2$

3)



4)68cmx2=136cm
30+24+18=72
136-72=64
64cm÷4=16cm

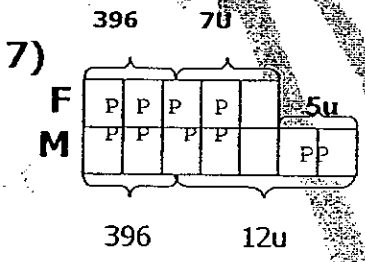
5)4x8=32
32-22=10
10 = 5
32 16

6)

before	after
y : x	y : x
1 : 4=5	1 : 7=8
8 :32=40	5 :35=40

8-5=3
3u→24
1u→24÷3=8
35u→35x8=280

7)



2p=5u
7p=5/2x7=17½u
17½u-12u=5½u
5½u→396
1u→396÷5½=396x2/11
=72
19u=19x72=1368

8) ½ x4cmx4cm=8cm$_2$
8cm$_2$x3=24cm$_2$
4cmx4cm=16cm$_2$
5cmx4cm=20cm$_2$
20cm$_2$+16cm$_2$+24cm$_2$=60cm$_2$

9) $216+308=524$

$4192 \div 524=8$

10) $\angle BOC=90° \div 3=30°$

$\angle EOD=90° -46° =44°$

$\angle K=30° +44° +90° =164°$

11) $3 \times 3 \times 3=27$

12) a) $7 \times (1+2.....+14)$

$=7 \times 105=735$

b) $735 \div 14=52.5$

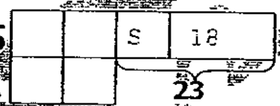
13) $1794 \div 39=46$

$46 \times 3=138$

$138 \times \$10=\$1380$

14) \$5

\$2



$\$90 \div \$5=18$

$23-18=5$

$5 \times 2=10$

$23+10=33$

15) 26u→\$1326

1u→\$1326÷26=\$51

8u→\$51x8=\$408

16) <u>B : M : J</u>

=4 : 8 : 3

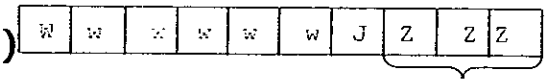
a) 8u→104

1u→104÷8=13

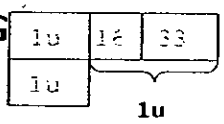
3u→13x3=39

b) 4+8+3=15

15u→13x15=195

17) 

a)6-3=3u
3u→45
b)1u→45÷3=15
10u→15x10=150

18)G C 

a)1u→16+33=49
49+16=65kg

b)54x2=108
108-49=59
65-59=6kg