

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



PRIMARY 5 CONTINUAL ASSESSMENT 2010 MATHEMATICS PAPER 1 (BOOKLET A)

Total Time for Booklets A and B: 50 minutes

INSTRUCTIONS TO CANDIDATES

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

Follow all instructions carefully.

Answer all questions.

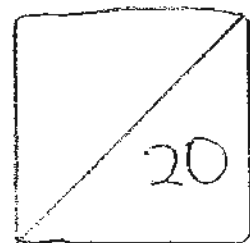
Shade your answers in the Optical Answer Sheet (OAS) provided.

The use of calculator is NOT allowed.

Name: _____ (

Class: Primary 5. _____

Date: 26 February 2010



This booklet consists of 5 printed pages including this page.

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)

1. What is the value of the digit 6 in 1 683 209?
- (1) 6×1000
 - (2) 60×1000
 - (3) 600×100
 - (4) 600×1000
2. Which of the following is the best estimate for 1827×891 ?
- (1) 1000×800
 - (2) 1000×900
 - (3) 2000×900
 - (4) 2000×1000
3. An apartment costs \$990 000 when rounded off to the nearest thousand. Which of the following could have been its exact price?
- (1) \$989 400
 - (2) \$989 600
 - (3) \$990 500
 - (4) \$990 900
4. Swee Choo bought $1\frac{2}{5}$ kg of beef and $2\frac{2}{3}$ kg of pork. How much meat did she buy?
- (1) $3\frac{6}{13}$ kg
 - (2) $3\frac{4}{15}$ kg
 - (3) $4\frac{1}{15}$ kg
 - (4) $4\frac{4}{15}$ kg

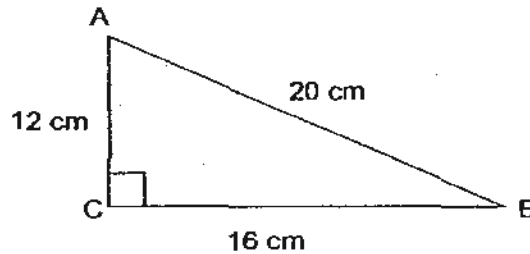
5. It takes $5\frac{7}{12}$ hours to drive to Kuala Lumpur.

Mary's father had already driven for $3\frac{1}{4}$ hours.

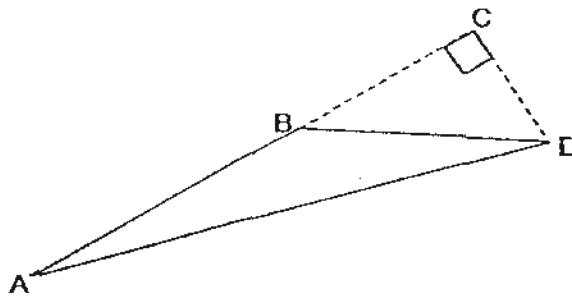
How much longer will he have to drive before he arrives in Kuala Lumpur?

- (1) $2\frac{3}{4}$ h
 (2) $2\frac{1}{3}$ h
 (3) $2\frac{1}{2}$ h
 (4) $2\frac{1}{4}$ h

6. Find the area of triangle ABC below.



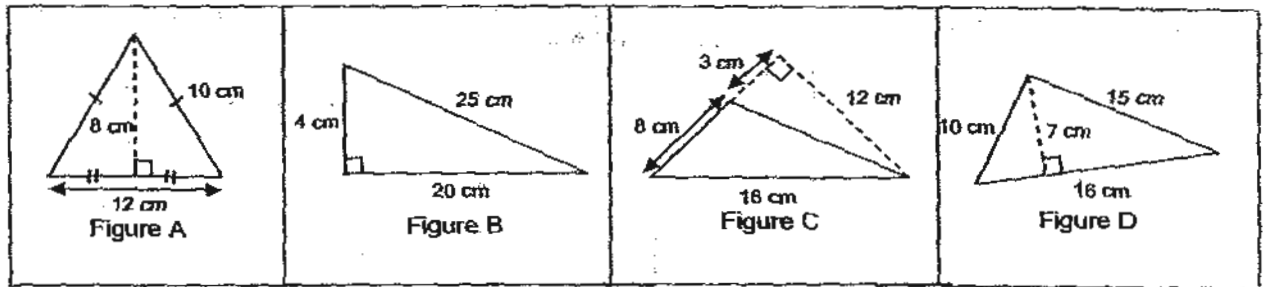
- (1) 96 cm^2
 (2) 160 cm^2
 (3) 192 cm^2
 (4) 200 cm^2
7. Which of the following lines represents the base of triangle ABD, given that the height is CD?



- (1) AB
 (2) AC
 (3) BD
 (4) DA

Go to Page 4

8. Which of the following figures have the same area?



- (1) A & B
- (2) B & C
- (3) C & D
- (4) A & C

9. The perimeter of a rectangle is 36 cm. One of its sides is 8 cm. What is its area?

- (1) 10 cm^2
- (2) 20 cm^2
- (3) 80 cm^2
- (4) 100 cm^2

10. The minute hand of a clock moved from 10 48 to 11 05. How many minutes had it moved?

- (1) 9
- (2) 17
- (3) 43
- (4) 57

11. How many hundreds are there in the product of 230 and 120?

- (1) 6
- (2) 276
- (3) 600
- (4) 2760

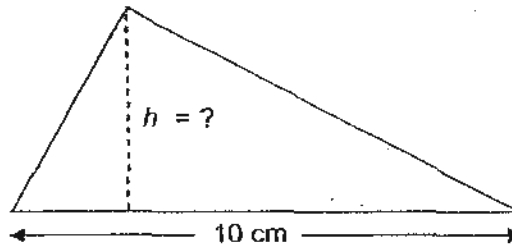
12. What is the value of 500 thousands, 50 hundreds, 50 tens and 5 ones?

- (1) 500 505
- (2) 500 555
- (3) 505 505
- (4) 505 555

13. John bought 2 chocolate cakes. When he reached home, he shared the cakes equally with his 3 sisters. What fraction of the cake did each of them receive?

- (1) $1\frac{1}{2}$
(2) $\frac{1}{6}$
(3) $\frac{1}{2}$
(4) $\frac{2}{3}$

14. Mei Ling was asked to draw a triangle with an area of 20 cm^2 . She drew a base of length 10 cm . What should be the height of the triangle?



- (1) 10 cm
(2) 2 cm
(3) 5 cm
(4) 4 cm
15. A 10-kg bag of rice cost $\$18.50$. Linda bought 3 bags of rice. She gave the cashier $\$100$. How much change did she get?
- (1) $\$44.50$
(2) $\$55.50$
(3) $\$118.50$
(4) $\$155.50$

(Go on to Booklet B)

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PRIMARY 5 CONTINUAL ASSESSMENT 2010 MATHEMATICS

PAPER 1

(BOOKLET B)

Total Time for Booklets A and B: 50 minutes

INSTRUCTIONS TO CANDIDATES

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

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

The use of calculator is **NOT** allowed.

Name: _____ ()

Class: Primary 5. _____

Date: 26 February 2010

Paper 1 Booklet A	/ 20
Paper 1 Booklet B	/ 20
Paper 2	/ 60
TOTAL	/ 100

This booklet consists of 6 printed pages including this page.

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. Eight million, eighty-nine thousand, seven hundred and seven written in numerals is

Ans: _____

17. $213 \times 24 = 213 \times 4 + 213 \times$

What is the missing number in the box?

Ans: _____

18. In the number 467 412, the value of the digit '4' in the hundred thousands place is _____ times the value of the digit '4' in the hundreds place.

Ans: _____

19. Complete the number pattern below.

403 156, 504 157, 605 158, _____, _____

Ans: _____

Go to Page 3

20. What is the place value of the even digit in 3(4)17 593?

Ans: _____

21. Round off 2 349 912 to the nearest thousand.

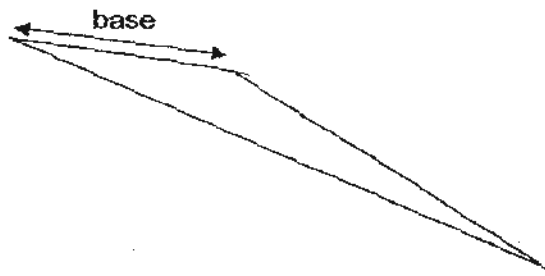
Ans: _____

22. Arrange the following fractions in ascending order.

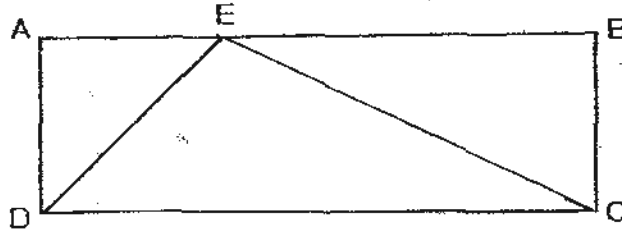
$\frac{5}{12}$, $\frac{2}{3}$, $\frac{3}{4}$, $\frac{1}{6}$
--

Ans: _____

23. In the triangle below, the base is shown. Draw the height of the triangle. Label the height 'h'.



24. ABCD is a rectangle. Draw another triangle within rectangle ABCD that has the same area as triangle CDE. Shade the triangle that you have drawn in pencil.



25. Betty left her home and reached school at 07 15. She took 20 minutes to walk to school. What time did she leave her house?

Ans: _____ a.m.

Go to Page 5

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.

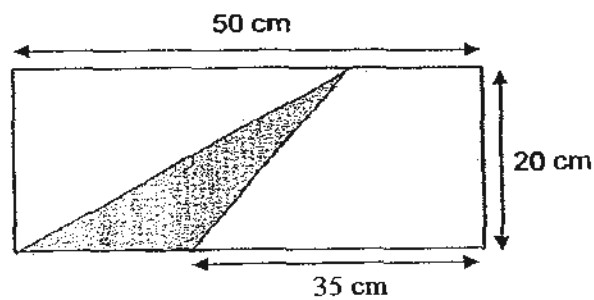
(10 marks)

26. $\frac{5}{6} \times 7 = 3\frac{11}{12} + \square$

What is the missing fraction in the box?
Give your answer in the simplest form.

Ans: _____

27. Find the area of the shaded triangle.



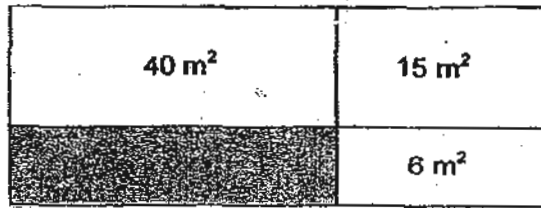
Ans: _____ cm²

28. The area of a square is 81cm². What is the perimeter of the square?

Ans: _____ cm

Go to Page 6

29. The figure below is made up of 4 rectangles. What is the area of the shaded part?



Ans: _____ m^2

30. Find the value of $77 + (73 - 17) + 7 \times 3$.

Ans: _____

End of Paper

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PRIMARY 5 CONTINUAL ASSESSMENT 2010 MATHEMATICS

PAPER 2

Duration: 1 h 40 min

INSTRUCTIONS TO CANDIDATES

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

Follow all instructions carefully.

Answer all questions.

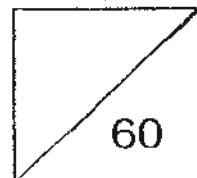
Write your answers in this booklet.

The use of an approved calculator is expected, where appropriate.

Name: _____ ()

Class: Primary 5 _____

Date: 26 February 2010



This booklet consists of 12 printed pages including this page.

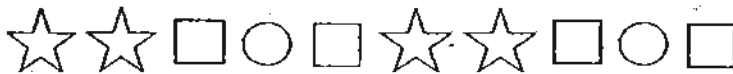
Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.

(10 marks)

1. Katherine earned \$18 for every 7 plates of chicken rice sold. If she earned \$108, how many plates of chicken rice did she sell?

Ans: _____

2. Study the following pattern which is made up of stars, squares and circles.
Find the total number of shapes altogether if the total number of stars is 60.



Ans: _____

3. When it is 09 30 in Singapore, it is 11 30 in Melbourne. At 11 00, in Singapore, Anne called her father who was in Melbourne. What was the time in Melbourne when she called?

Ans: _____

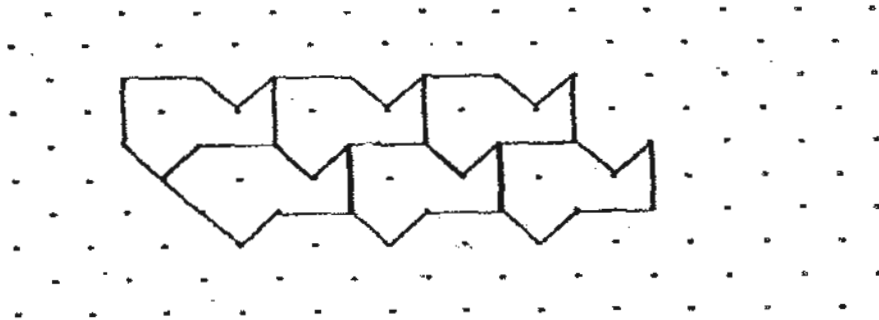
Go to Page 3

4. The table below shows the charges of a particular taxi company.
Mrs Wong travelled $27\frac{1}{2}$ km from her house to her office.
How much was her taxi fare?

First kilometre (km)	\$3.20
Every 1 kilometre or part thereof	\$0.20

Ans: _____

5. Mark 'X' on the wrong unit shape.



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)

6. Sam and Evan have 27 books altogether. Evan and James have 53 books altogether. If James has thrice as many books as Sam, how many books does Sam have?

Ans: _____ [3]

7. Mary bought $3\frac{1}{2}$ kg of minced meat.

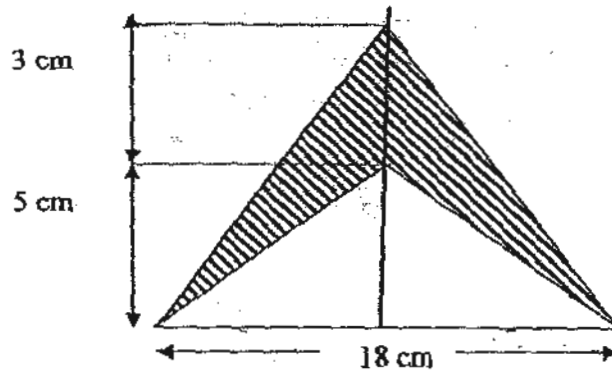
She used $1\frac{1}{3}$ kg of it to make a bowl of spaghetti sauce.

She made 2 bowls of spaghetti sauce.
How much minced meat had she left?

Ans: _____ [3]

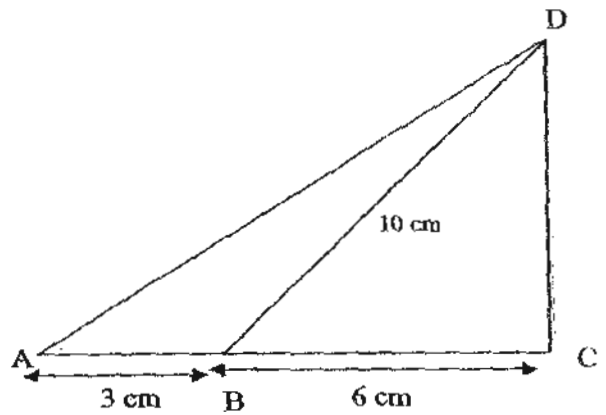
Go to Page 5

8. The figure below is not drawn to scale. Find the shaded area of the figure.



Ans _____ [3]

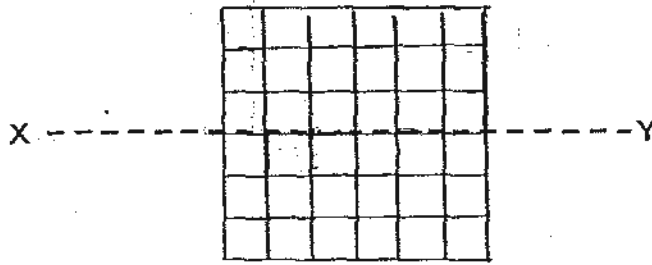
9. The figure below is not drawn to scale. Triangle ACD is a right-angled triangle. Given that $AB = 3\text{ cm}$, $BC = 6\text{ cm}$, $BD = 10\text{ cm}$ and perimeter of triangle BCD is 24 cm. Find the area of triangle ACD.



Ans: _____ [3]

Go to Page 6

10. The dotted line XY is a line of symmetry. Shade the correct squares to make a symmetric pattern. [3]



11. Jenny's monthly income is \$300 more than Clare's monthly income. Both of them spend \$1 300 each month and save the rest. When Jenny saves \$5000, Clare saves only \$3200. How much did Jenny spend in total?

Ans: _____ [4]

Go to Page 7

12. Kim Seng has 588 stamps.
 $\frac{2}{7}$ of them are Thailand stamps, $\frac{1}{3}$ of them are from the Philippines and 77 stamps are from New Zealand. The rest are from Australia.
What fraction of his stamps is from Australia?
Give your answer in the simplest form.

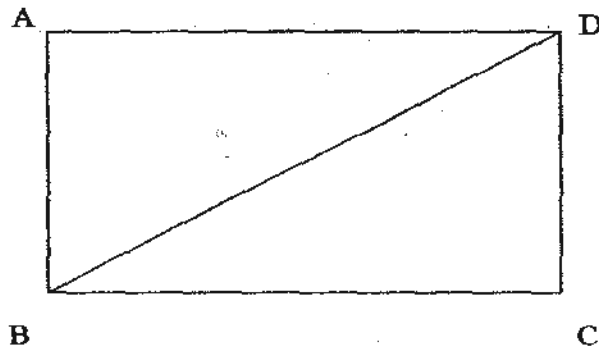
Ans: _____ [4]

13. A pail is $\frac{2}{9}$ - filled with water. Rahman poured in 8.3 litres of water and the pail is now $\frac{5}{6}$ -full. How much water can the pail hold if it is filled to the brim?
Give your answer correct to 1 decimal place.

Ans: _____ [4]

Go to Page 8

14. The length of the rectangle ABCD is three times its breadth. The area of triangle ABD is 24 cm^2



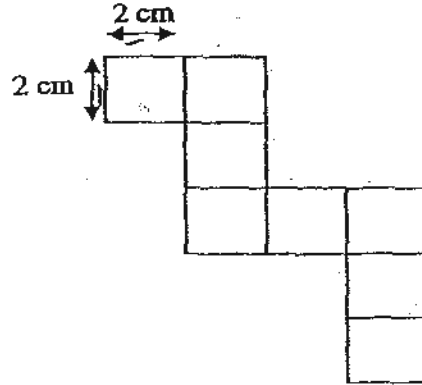
- (a) What is the area of rectangle ABCD?
(b) What is the perimeter of rectangle ABCD?

Ans: (a) _____ [2]

(b) _____ [2]

Go to Page 9

15. The figure below is made up of 8 identical 2 cm squares.
 (a) What is the perimeter of the figure below?



- (b) These above same 8 squares are used to form a rectangle.
 The length is twice its breadth.
 (i) Draw the rectangle that is formed using the 8 squares in the space below. [1]

- (ii) Find the length of the longer side of the rectangle.

Ans: (a) _____ [2]

(bii) _____ [1]

Go to Page 10

16. The table below shows the rates of charges for photocopying.

50 sheets or less	10 cents per piece
More than 50 sheets	5 cents per piece

Tom had to photocopy some science notes. He photocopied 15 sheets on Monday and 60 sheets on Tuesday. If he had photocopied all the sheets on the same day, how much would he have saved?

Ans: _____ [5]

Go to Page 11

17. Sandra paid \$225 for 2 dresses and 3 hats.
Jane paid \$414 for 4 dresses and 5 hats.
What was the total cost of 2 dresses and 1 hat?

Ans: _____ [5]

Go to Page 12

18. Johnny's parents give him \$70 a week.

He spends $\frac{3}{4}$ of it and saves the rest.

After saving for 4 weeks, Johnny bought a wallet that cost \$47.25.

What fraction of his savings did he have left?

Give your answer in the simplest form.

Ans: _____ [5]

End of Paper

ANSWER SHEET

EXAM PAPER 2010

SCHOOL : MGS PRIMARY
SUBJECT : PRIMARY 5 MATHEMATICS

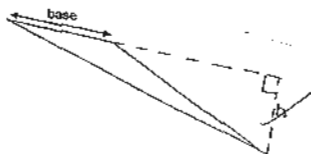
TERM : CA1

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

16)8089707 17)20 18)1000 19)706159, 807160

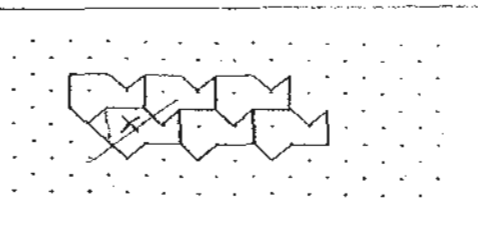
20)Hundred Thousands 21)235000 22)1/6, 5/12, 2/3, 3/4

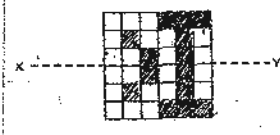
23) 24)  25)6.55a.m.



26)111/12 27)150cm² 28)36cm 29)16m² 30)101

Paper 2

1) $108 \div 18 = 6$ $6 \times 7 = 42$ plate	2) $60 \div 2 = 30$ $30 \times 5 = 150$ shapes
3)1300	4) $27 - 1 = 26$ $26 + 1 = 27$ $27 \times 0.20 = 5.40$ $5.40 + 3.20 = \$8.60$
5) 	6) $53 - 27 = 26$ $26 \div 2 = 13$ books
7) $3\frac{1}{2} - 1\frac{1}{3} = 2\frac{1}{6}$ $2\frac{1}{6} - 1\frac{1}{3} = \frac{5}{6}$ kg	8) $\frac{1}{2} \times 8 \times 18 = 72$ $\frac{1}{2} \times 5 \times 15 = 45$ $72 - 45 = 27$ cm ²

<p>9) $24 - 6 - 10 = 8$ $6 + 3 = 9$ $\frac{1}{2} \times 8 \times 9 = 4 \times 9$ $= 36\text{cm}^2$</p>	<p>10)</p> 
<p>11) $5000 - 3200 = 1800$ $1800 \div 300 = 6$ $6 \times 1300 = \\$7800$</p>	<p>12) $2/7 = 6/21$ $1/3 = 7/21$ $588 \div 21 = 28$ $28 \times 13 = 364$ $364 + 77 = 441$ $588 - 441 = 147$ $147/588 = 1/4$</p>
<p>13) $5/6 = 15/18$ $2/9 = 4/18$ $15/18 - 4/18 = 11/18$ $11u \rightarrow 8.3$ $8.3 \div 11 \times 18 = 13.6L$</p>	<p>14) a) $24 \times 2 = 48\text{cm}^2$ b) $48 \div 3 = 16$ $4 \times 3 = 12$ $12 + 12 + 4 + 4 = 32\text{cm}$</p>
<p>15) a) $18 \times 2 = 36\text{cm}$ b) $2 \times 4 = 8\text{cm}$</p>	<p>16) Mon = $15 \times 0.10 = 150$ (cents) = \$1.50 Tues = $60 \times 0.05 = \\$3$ $\\$1.50 + \\$3 = \\$4.50$ $15 + 60 = 75$ $75 \times 0.05 = 3.75$ $\\$4.50 - \\$3.75 = \\$0.75$</p>
<p>17) $414 - 225 = 189$ $225 - 189 = 36$ $189 - 36 = \\$153$</p>	<p>18) $70 \div 4 = 17.50$ (savings) $17.50 \times 4 = 70$ (savings over 4 wk) $70 - 47.25 = 22.75$ $22.75/70 = 32\frac{1}{2}$</p>