



NANYANG PRIMARY SCHOOL
FIRST CONTINUAL EXAMINATION
2008

PRIMARY 5
MATHEMATICS
PAPER 1

DURATION: 50 MINUTES

Booklet A	/ 20	Paper 1 Total: / 40
Booklet B	/ 20	

Name: _____ ()

Class: Primary 5 ()

Date: 29 February 2008

Parent's Signature: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

YOU ARE NOT ALLOWED TO USE A CALCULATOR.

PAPER 1 (BOOKLET A)

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 76×50 ?

(1) $70 \times 6 \times 5$

(2) $7 \times 6 \times 5 \times 10$

(3) $76 \times 5 \times 10$

(4) $70 \times 6 \times 5 \times 10$

2 What is the value of 194×78 ?

Round off your answer to the nearest thousand.

(1) 15 000

(2) 15 100

(3) 15 200

(4) 16 000

3 What is the best estimate of $635 \div 80$?

(1) 6.35

(2) 7.5

(3) 8

(4) 8.75

4 A worker packed 8970 beads into a box. A total of 400 such boxes of beads were sold. How many beads were sold altogether?

(1) 3588

(2) 35 880

(3) 358 800

(4) 3 588 000

5 Find the value of $183 \div 24 \div 3 \times 4 + 12$.

(1) 55

(2) 139

(3) 163

(4) 224

6 Which of the following has the **smallest** value?

(1) 0.67

(2) $\frac{16}{20}$

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

(4) 0.58

7 What is the missing number in the box?

$$6.5 \times 6 + \boxed{} \times 3 = 78$$

(1) 13

(2) 14

(3) 39

(4) 41

8 What is the next missing number in the number pattern shown?

0.7, 1.4, 0.8, 1.3, ? , 1.2

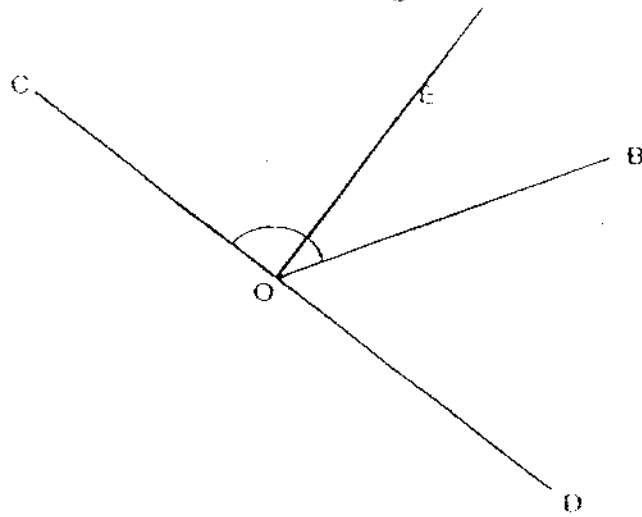
(1) 0.6

(2) 0.9

(3) 1.7

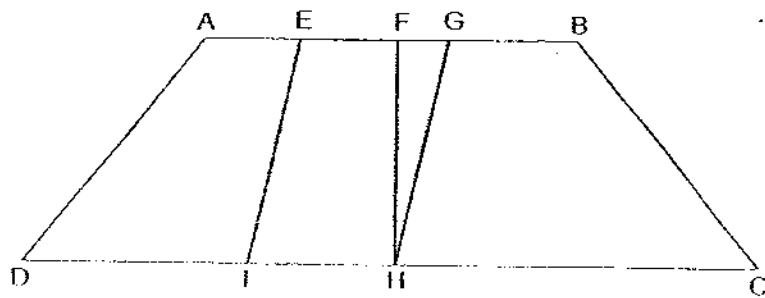
(4) 2

9 In the figure below, CD is a straight line. Measure $\angle BOC$.



- (1) 60° 58°
- (2) 85° 89°
- (3) 84° 91°
- (4) 120° 122°

10 ABCD is a trapezium. Which of the following shows a pair of parallel lines?



- (1) AD and EI
- (2) FH and DC
- (3) EI and GH
- (4) EI and FH

11 Muthu had $\frac{1}{5}$ kg of rambutans. Tina had $\frac{3}{4}$ kg of rambutans more than Muthu. How many kilograms of rambutans did both of them have?

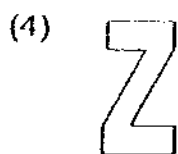
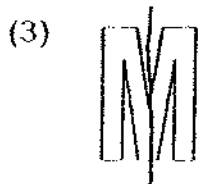
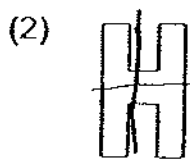
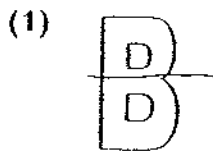
(1) $\frac{13}{20}$

(2) $\frac{19}{20}$

(3) $1\frac{3}{20}$

(4) $1\frac{7}{10}$

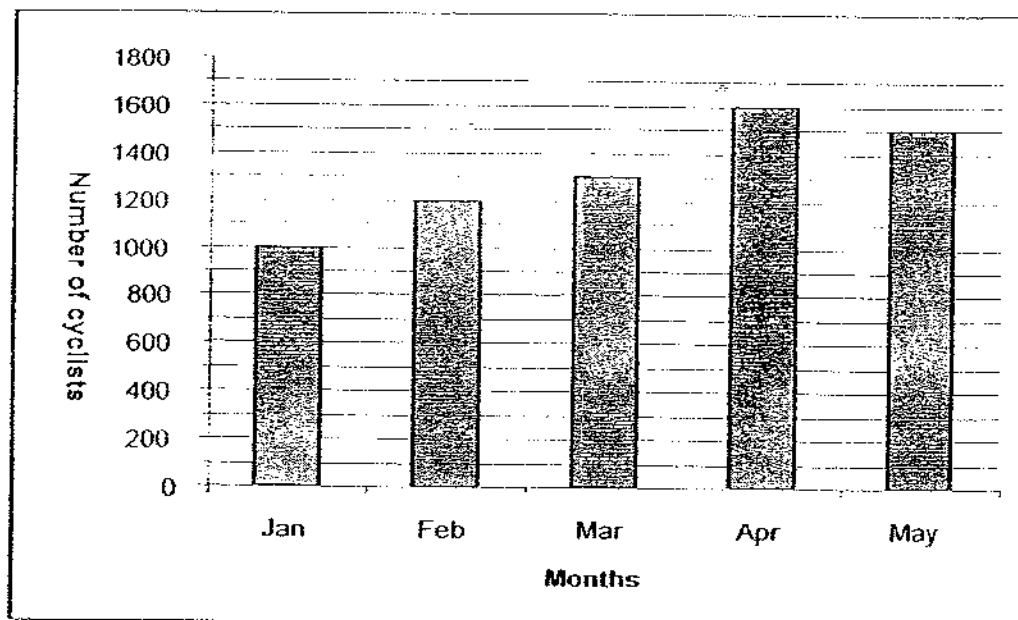
12 Which of the following figure does not have at least a line of symmetry?



- 13 Kaili bought 64 kg of flour. She packed them equally into 8 bags and had 7 kg of flour left. What is the mass of flour in each bag?
(Give your answer correct to 2 decimal places)

- (1) 8.88 kg
- (2) 8.87 kg
- (3) 7.13 kg
- (4) 7.12 kg

- 14 The graph below shows the number of cyclists in public parks over a period of 5 months.



How many cyclists are there in the public parks from February to April?

- (1) 4050
- (2) 4100
- (3) 5600
- (4) 6600

- 15 Hopscotch is made up of 7 similar squares as shown below. If the total area of the hopscotch is 28 m^2 , what is its perimeter?



- (1) 32 m
- (2) 38 m
- (3) 50 m
- (4) 56 m

Name: _____ () Class: Pr 5 (

P5 CA1 2008

PAPER 1 (BOOKLET B)

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 the following numeral in words.

2 543 012	
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- 17 Find the value of $5\frac{5}{6} + 2\frac{1}{4}$.

Give your answer in its simplest form.

Ans: _____

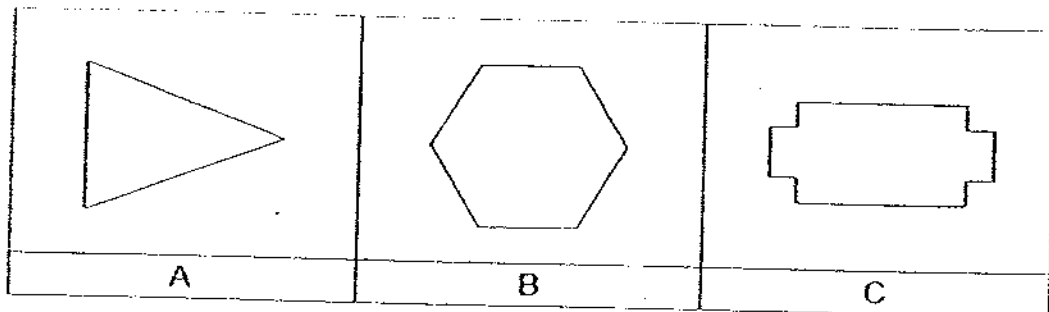
- 18 Express $\frac{7}{25}$ as a decimal.

Ans: _____

19 Find the value of $24 \times 6 - 2 + (94 - 54) \div 2$.

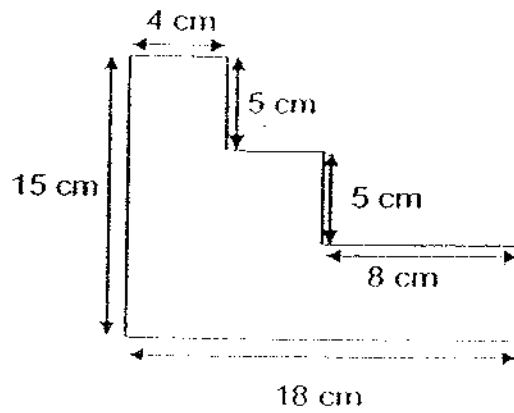
Ans: _____

20 Mr Foo would like to tile his kitchen floor with tiles of only one shape and they must fit together with no overlaps and gaps in between. Which of the following shape(s) should he not choose?



Ans: _____

- 21 Find the perimeter of the figure shown below.

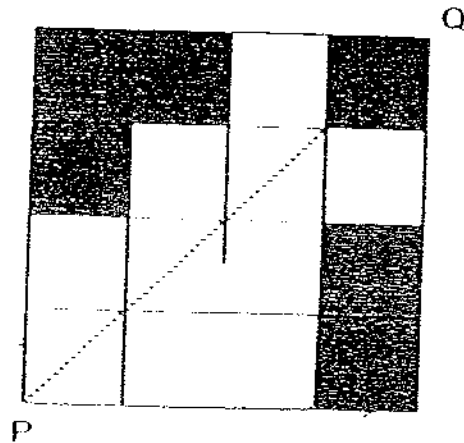


Ans: _____ cm

- 22 How much will it cost to buy a carpet 16 m by 10 m at \$20 per square metre?

Ans: \$ _____

- 23 Shade one more square to complete the figure below which has dotted line PQ as a line of symmetry.



- 24 Mrs Tan and her child paid \$20 for the tickets to the movie. If a child ticket was $\frac{1}{3}$ of the price of an adult ticket, what was the price of a child ticket?

Ans: \$ _____

25 Read the clues and find the 7-digit number

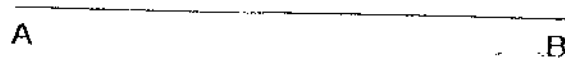
I am a 7-digit number between 8 453 000 and 8 454 000.
The value of the digit 7 is 7 tens.
The digit in the hundreds place is the biggest single digit.
The digit in the thousands place an odd number.
None of the digits repeats.

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 In the space below, construct a line XY that is perpendicular to line AB .



- 27 Jenny bought a blouse and 2 identical skirts for \$200. The blouse was half the price of the skirt. Find the price of the blouse.

Ans: \$ _____

- 28 The table shows the rates for a cruise to City A.

CRUISE to City A		
Type of room	Adult (price per person)	Child (below the age of 12) (price per person)
Standard	\$600	\$400
Superior	\$800	\$500
Deluxe	\$1000	\$600

Mr Low took his wife and two children, aged eleven and fifteen on the cruise. How much did he pay altogether if they stayed in the Superior Room?

Ans: \$ _____

- 29 Christen paid \$15 000 for a set of diamond earrings and necklace. The price of the earrings is $\frac{1}{4}$ the price of the necklace. How much more did Christen pay for the necklace than the earrings?

Ans: \$ _____

- 30 There are 4 teams in a tennis tournament. Each team must play against each other once. How many matches are there in the tournament?

Ans: _____

END OF PAPER



NANYANG PRIMARY SCHOOL

FIRST CONTINUAL EXAMINATION
2008

PRIMARY 5
MATHEMATICS
PAPER 2

DURATION: 1 HOUR 40 MINUTES

Paper 2 Total	/ 60
GRAND TOTAL	/ 100

Name: _____ ()

Class: Primary 5 ()

Date: 29 February 2008

Parent's Signature: _____

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PAPER 2

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 There were 3200 pupils. Each pupil folded 600 paper stars. They then packed the stars equally into 1000 bottles. How many paper stars were there in each bottle?

Ans: _____

- 2 Mr Kumar bought a sofa set for \$12 599 and a bedroom set for \$19 888. By rounding off the price of each item to the nearest ten thousand, find the estimated total amount paid by Mr Kumar.

Ans: \$ _____

- 3 Justina had some blue and red paper cups. She had 400 blue paper cups and twice as many red paper cups. She packed the red paper cups equally into 10 bags and sold away 9 bags. How many red paper cups were left?

Ans: _____

- 4 Mrs Tang started making pineapple tarts at 9.15 a.m. She took $2\frac{2}{3}$ h to complete her task. At what time did she finish making the tarts?

Ans: _____

- 5 The table below shows the parking charges at a shopping centre.
Lisa parked her car from 1.50 p.m. to 8.15 p.m. How much did she pay for the parking?

Parking Charges	
1 st hour	\$1.50
Every additional hour or part thereof	\$1.20

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.

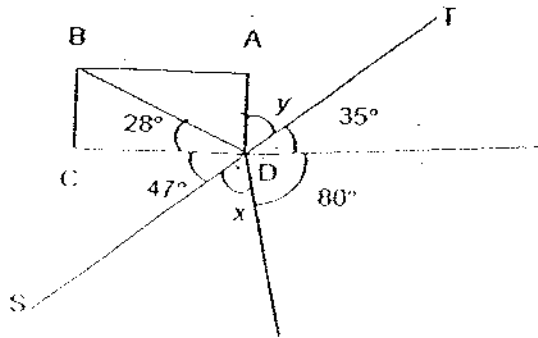
The number of marks available is shown in brackets [] at the end of each question or part-question.

(50 marks)

- 6 Siew Boon bought a computer at \$2870. He paid the deposit with 10 dollars notes only and paid the rest of the amount at \$175 per month for a year. How many pieces of ten dollar notes did he use to pay for the deposit?

Ans: _____ [3]

- 7 ABCD is a rectangle and ST is a straight line
Find the sum of $\angle x$ and $\angle y$.



Ans: _____ [3]

- 8 At the Disney On Ice Concert, $\frac{1}{15}$ of the chairs in the indoor stadium were white, $\frac{1}{4}$ of the remainder were blue and the rest were red. If there were 4884 red chairs, how many chairs were there altogether?

Ans: _____ [3]

- 9 John has twice as many pokemon cards as Peter. Bala has three times as many pokemon cards as John. If the 3 boys have 1224 cards altogether, how many cards does Bala have to give to Peter and John so that all 3 boys will have the same number of pokemon cards?

Ans: Peter _____ [2]

John _____ [1]

- 10 Mei Shan had a rectangular plot of land with an area of 96 m^2 and a breadth of 8 m . She wanted to place a fence around the land.
- (a) Find the perimeter of the land.
- (b) She paid \$96 to fence up the land. How much did she have to pay to fence 1 metre of the land?

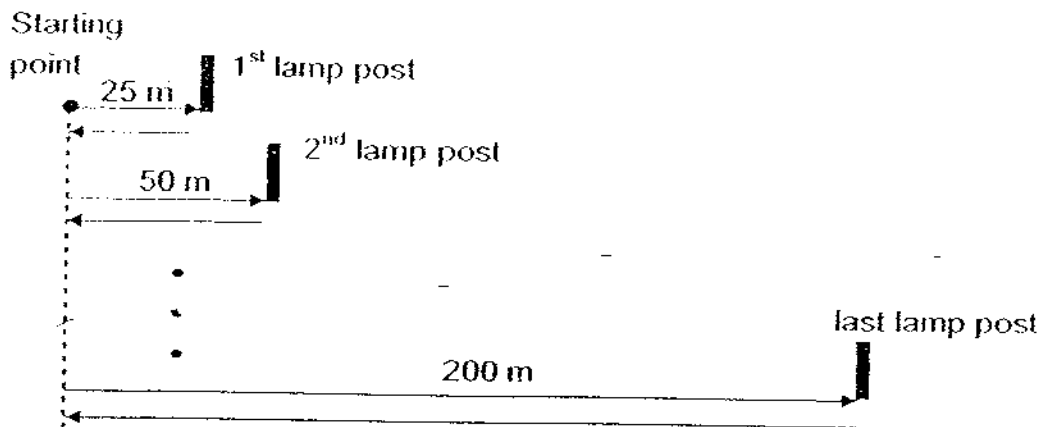
Ans: (a) _____ [2]

(b) _____ [1]

- 11 Peter cycled to the playground. He took either route A or B. The distance travelled for route A was 3 km 600 m. The total distance of route A and route B was 8 km 800 m. He took route A from Monday to Thursday and route B from Friday to Sunday. What was the total distance travelled by Peter to the playground in a week?
(Give your answer in km.)

Ans: _____ [4]

- 12 Peter ran in a straight line from the starting point to a lamp post which was 25 m away. He then ran back to the starting point and continued to run to the second lamp post which was 50 m away from the starting point. He kept running back and forth from the starting point to different lamp posts which are always double the distance of the previous lamp post from the starting point. Find the total distance he ran if the last lamp post is 200 m away from the starting point and he needs to return to the starting point.

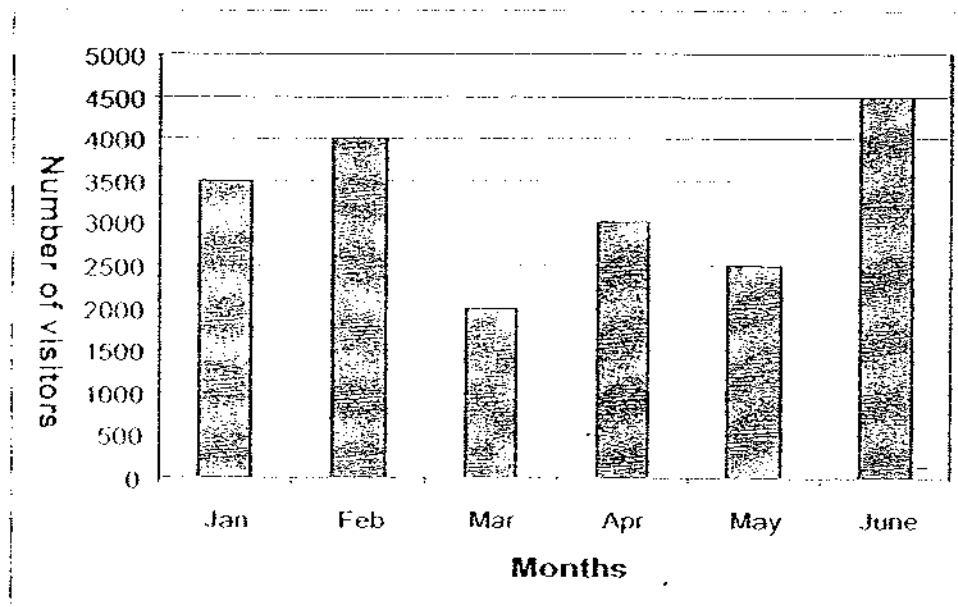


Ans: _____ [4]

13

Study the graph carefully and answer the following questions.

The bar graph below shows the number of visitors who visited the Underwater World for the first 6 months in 2007.



- (a) Express the number of visitors in April as a fraction of the visitors in June. Give your answer in its simplest form.
- (b) If $\frac{1}{4}$ of the visitors in March were adults and there were 2 times as many boys than girls, how many boys were there?

Ans: (a) _____ [1]

(b) _____ [3]

- 14 Jeffery has a rectangular strip of paper and makes 2 folds in the strip as shown in Figure 1. He gets a trapezium and 2 squares as shown in Figure 2.

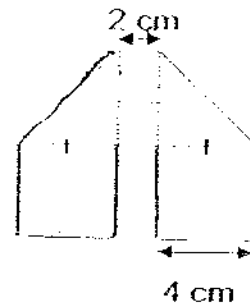
- (a) Find the length of the rectangular paper.
 (b) Find the area of the rectangular paper.

Figure 1

Fold along the dotted lines



Figure 2



Ans: (a) _____ [2]

(b) _____ [2]

15 Freddie spent $\frac{5}{12}$ of his money on 38 toy cars and 26 pies.

The cost of a toy car is 3 times as much as a pie.

How many more pies could he buy with the remaining money?

Ans: _____ [4]

- 16 A bag of oranges were shared among some girls. If each girl received 5 oranges, there would be 1 extra orange. If each girl received 6 oranges, there would be 4 oranges short.

(a) How many oranges were there in the bag?

(b) How many girls were sharing the oranges?

Ans: (a) _____ [4]

(b) _____ [1]

17 Minah, Anju and Betty shared some sweets. Anju and Betty had $\frac{8}{9}$ of what Minah had and Anju had $\frac{1}{7}$ of what Betty had.

(a) If Minah had 54 sweets, how many sweets did Anju have?

(b) How many sweets did they have altogether?

Ans: (a) _____ [3]

(b) _____ [2]

- 18 Mark bought 6 similar pens and 8 similar notebooks. Each pen costs \$1.40 more than a notebook. If the total cost of the notebooks was \$7.60 more than the cost of the pens, how much did Mark spend?

Ans: _____ [5]

END OF PAPER

Setters : Mrs Jennifer Tan
Mrs Maureen Woo

ANSWER SHEET

EXAM PAPER 2008

SCHOOL : NANYANG PRIMARY SCHOOL

SUBJECT : PRIMARY 5 MATHEMATICS

TERM : CA 1

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

16) two million, five hundred and forty-three and twelve.

17) $8\frac{1}{12}$

18) 0.28

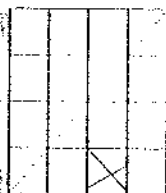
19) 162

20) €

21) 66cm

22) \$3200

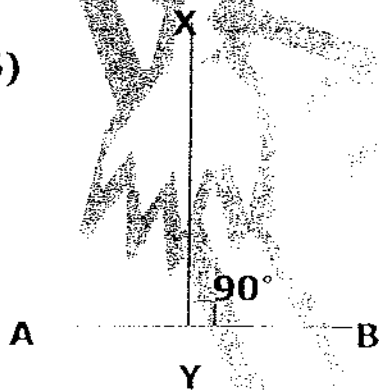
23)



24) \$5

25) 8453971

26)



27) \$40

28) \$2900

29) $15000 \div 5 = 3000$

$3000 \times 4 = 12000$

$12000 - 3000 = \$9000$

30) 6

Paper 2

1) $3200 \times 600 = 1920\ 000$
 $1920\ 000 \div 1000 = 1920$

2) $12599 \approx 10000$
 $19888 \approx 20000$
 $20000 + 10000 = \$30000$

3) $400 + 400 = 800$
 $800 \div 10 = 80$
 $80 \times 9 = 720$
 $800 - 720 = 80$

4) 11.55 a.m.

5) 5 hour = $1.20 \times 5 = 6$
15 min + 10 min = 25 min
 $6 + 1.50 = 7.50$
 $7.50 + 1.20 = \$8.70$

6) $175 \times 12 = 2100$
 $2870 - 2100 = 770$
 $770 \div 10 = 77$

7) $90^\circ - 28^\circ = 62^\circ$
 $35^\circ + 47^\circ + 28^\circ + 80^\circ = 190^\circ$
 $360^\circ - 190^\circ = 170^\circ$
 $170^\circ - 62^\circ = 108^\circ$

8) $4884 \div 6 = 814$
 $814 \times 15 = 12210$

9) $1224 \div 9 = 136$
 $136 \times 2 = 272$
Peter = 272
John = 136

10) a) 40m
b) \$2.40

11) $8800 - 3600 = 5200$
 $5200 \times 3 = 15600$
 $3600 \times 4 = 14400$
 $14400 + 15600 = 30000$
Ans: 30km

12) $200 \div 2 = 100$
 $25 \times 2 + 50 \times 2 + 100 \times 2 + 200 \times 2$
 $= 750m$

13) a) $\frac{2}{3}$
b) 1000

14) a) 18cm
b) $72cm^2$

15) 1 toy car \rightarrow 3 pies
38 toys cars $\rightarrow 38 \times 3 = 114$ pies
5u $\rightarrow 114 + 26 = 140$
1u $\rightarrow 28$
7u $\rightarrow 28 \times 7 = 196.$

16) a) 26
b) 5

17) $54 \div 9 = 6$
 $6 \times 7 = 42$
 $42 + 6 + 54 = 102$
a) 6
b) 102

18) $1.40 \times 6 = 8.40$
 $7.60 + 8.40 = 16$
 $16 \div 2 = 8$
 $8 \times 14 = 112$
 $112 + 8.40 = \$120.40$