METHODIST GIRLS' SCHOOL

Founded in 1887

END-OF-YEAR EXAMINATION 2012
PRIMARY 3
MATHEMATICS

(BOOKLET A)

Total Time: 1 h 35 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.

Name: _____ ( )

Class: Primary 3._____

Date: 9 October 2012

Section A	/ 32
Section B	/ 38
Section C	/ 20
TOTAL	/ 90

This booklet consists of 14 printed pages including this page.

47

Section A

Questions 1 to 16 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. (32 marks)

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1 $5\,650 = 5\,000 + 60 \times \square + 50.$

What is the missing number?

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

2 What is the quotient when 158 is divided by 3?

(1) 50
(2) 2
(3) 3
(4) 52

3 Complete the number pattern.

340 , 520 , 680 , _____ , 940 , 840

(1) 720
(2) 760
(3) 820
(4) 860

4 Shanti bought a dress and three pairs of shorts.
The dress cost $56.
She gave the cashier $100 and had $17 change.
How much was each pair of shorts?

(1) $3
(2) $9
(3) $27
(4) $44

(Go on to the next page)

5 Gloria reached school at 6.50 a.m. Mei Mei reached school 45 minutes later. At what time did Mei Mei reach school?

(1) 6.05 a.m.
(2) 7.30 a.m.
(3) 7.35 a.m.
(4) 7.40 a.m.

6 Which of the following pair of fractions is **not** equivalent?

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

(2) $\frac{2}{6}, \frac{3}{9}$

(3) $\frac{6}{10}, \frac{3}{5}$

(4) $\frac{2}{8}, \frac{3}{6}$

7 How many grams are there in 2 kg 2 g?

(1) 202 g
(2) 220 g
(3) 2 002 g
(4) 2 020 g

8 Charlotte is 2 500 g heavier than Sara. Charlotte weighs 20 kg. What is Sara's weight?

(1) 17 kg 500 g
(2) 18 kg 500 g
(3) 20 kg 250 g
(4) 22 kg 500 g

(Go on to the next page)

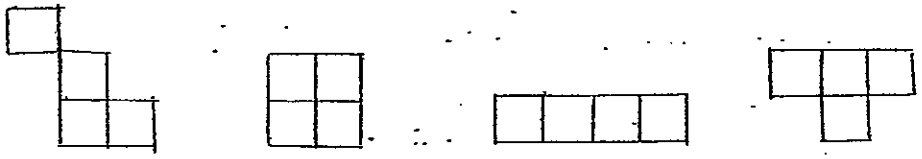
9 Mrs Tan had a piece of cloth. She cut it into 8 equal pieces and had 55 m of cloth left. Each piece was 36 m long.
What was the length of cloth that Mrs Tan had at first?

(1) 233 m
(2) 288 m
(3) 343 m
(4) 476 m

10 A container is half-filled with water. When I pour 1 ℓ 800 $m\ell$ into it, it is filled with water completely. What is the capacity of the container?

(1) 900 $m\ell$
(2) 3 600 $m\ell$
(3) 1 ℓ 800 $m\ell$
(4) 2 ℓ 700 $m\ell$

11 In the figures, each square is 1 square unit.
Which of the following figure below has the greatest perimeter?



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

12 The length of a rectangular field is 186 m and its breadth is 53 m.
What is the perimeter of the field?

(1) 133 m
(2) 239 m
(3) 292 m
(4) 478 m

XI.

(Go on to the next page)

13 Which of the figures below has the greatest number of right angles?

Fig 1

Fig 2

Fig 3

Fig 4

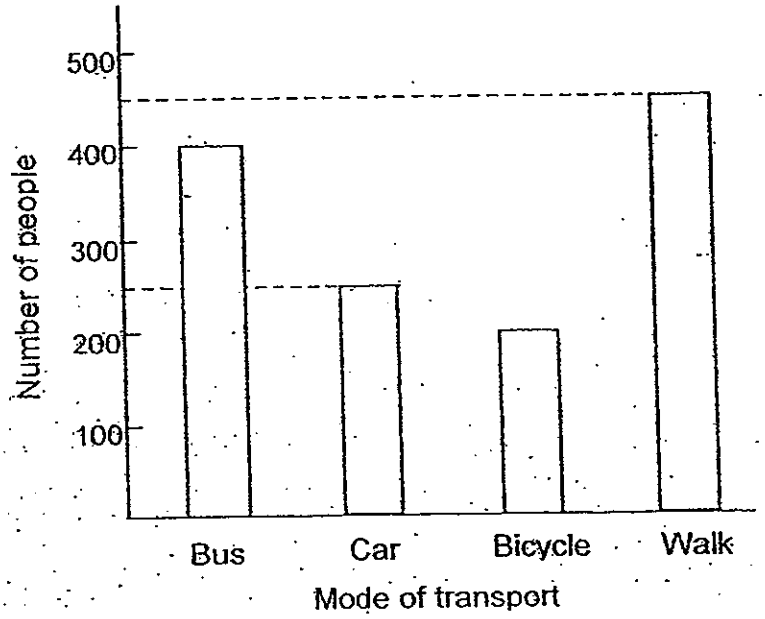
(1) Fig 1
(2) Fig 2
(3) Fig 3
(4) Fig 4

14 Kevin bought four 2-litre tins of paint. After painting his home, he had 1 l 500 ml of paint left. How much paint did he use?

(1) 500 ml
(2) 2 l 500 ml
(3) 6 l 500 ml
(4) 7 l 500 ml

(Go on to the next page)

The bar graph below shows how people travel to work each day.
Study it and answer questions **15** and **16**.



15 How many **more** people take the bus than the car?

(1) 100
(2) 150
(3) 200
(4) 400

16 What is the total number of people who walk or cycle to work?

(1) 200
(2) 250
(3) 450
(4) 650

53.

Section B

Questions **17** to **35** carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (38 marks)

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17 Find the value of 347 x 5.

Ans: _____

18 Kumar and Putra have some stamps. Kumar has 452 stamps and Putra has 57 stamps fewer than him. How many stamps do they have altogether?

Ans: _____

19 Jennifer and Bob have $67.90.
How much more money do they need to buy a racket which cost $95?

Ans: $_____

(Go on to the next page)

20 Mirada sells cupcakes. The price of a plain cupcake is $0.70 and the price of a cream cupcake is $1. She sold ten of each type of cupcakes. How much money did she collect in all?

$0.70

$1

Ans: $_____

21 A worker wanted to cover the floor of the staffroom with carpet tiles. Each carpet tile measures 3 m by 2 m and he needed 35 of them. What is the area of the staffroom floor?

Ans: _____ m^2

22 A sack of rice and a packet of flour have a total mass of 6 kg. The mass of the sack of rice is 3 kg 500 g heavier than the mass of a packet of flour. How heavy is the packet of flour? Give your answer in kilograms and grams.

Ans: _____kg _____g

23 Samuel walks 1 km 95 m to school every day. Peter takes another path that is 650 m shorter. What is the distance that Peter walks to school each day?

Ans: _____ m

24 String A is twice as long as String B. String B is 3 times as long as String C. String C is 1 m 50 cm. What is the length of String A?

Ans: _____ cm

25 A water container contains 5 *l* 500 *ml* of water. Jane spills 400 *ml* of water while pouring. She pours the remaining water equally into 5 identical jugs. What is the volume of water in each jug?

Ans: _____ *ml*

(Go on to the next page)

26 Vinitha went to the school library at 10.45 a.m. She left the library at 12.15 p.m. How long did she stay in the library? Give your answer in hours and minutes.

Ans: _____h_____min

27 Mr Ow takes 15 minutes to travel to work. Mr Goh takes 3 times as long as Mr Ow. What time must Mr Goh leave home if he has to reach his work place at 8.30 a.m.?

Ans: _____a.m.

28 What fraction of the figure below is shaded?

Ans: _____

57.

(Go on to the next page)

29 Arrange the following fractions in increasing order.

$$\frac{7}{10}, \frac{3}{5}, \frac{3}{7}$$

Ans: _____

30 Jane spent $\frac{3}{8}$ of her money on food. She spent $\frac{1}{4}$ less money on stationery than on food. What fraction of her money was left? Give your answer in the simplest form.

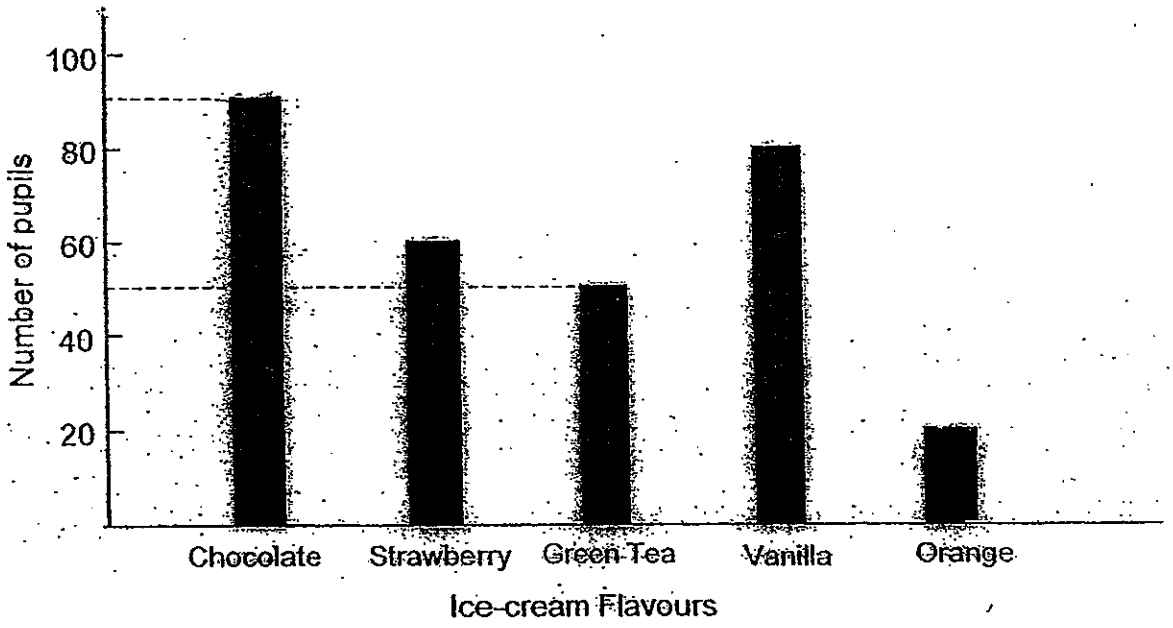
Ans: _____

31 Mr Tan had 297 lollipops. He gave each of his pupils 7 lollipops and he had with 3 lollipops left. How many pupils did he have in his class?

Ans: _____

(Go on to the next page)

The graph below shows the ice-cream flavours that the Primary 3 pupils in Ever Shine Primary School like most.



32 How many more pupils like chocolate than orange?

Ans: _____

19.

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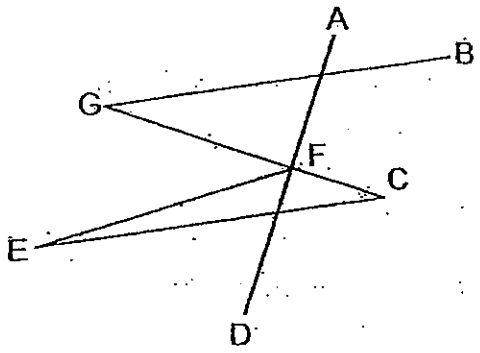
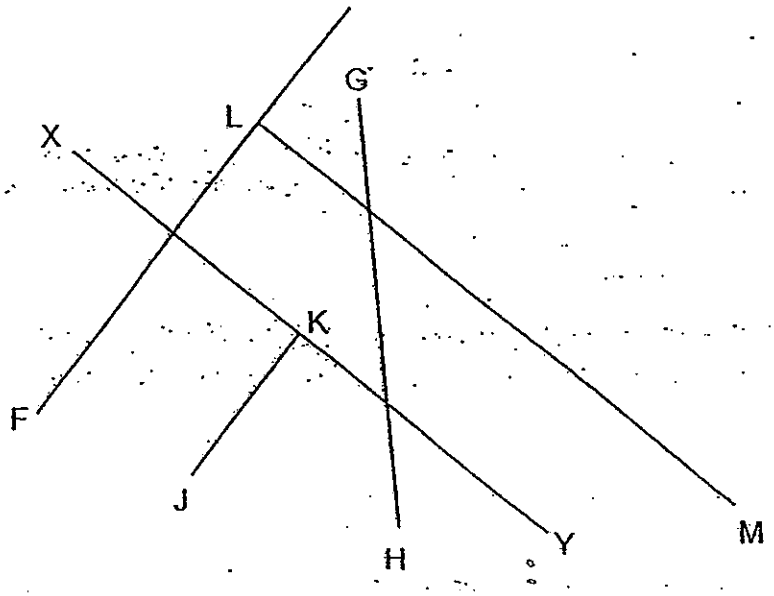
33 Name a pair of parallel lines in the figure below.



Ans: _____ // _____

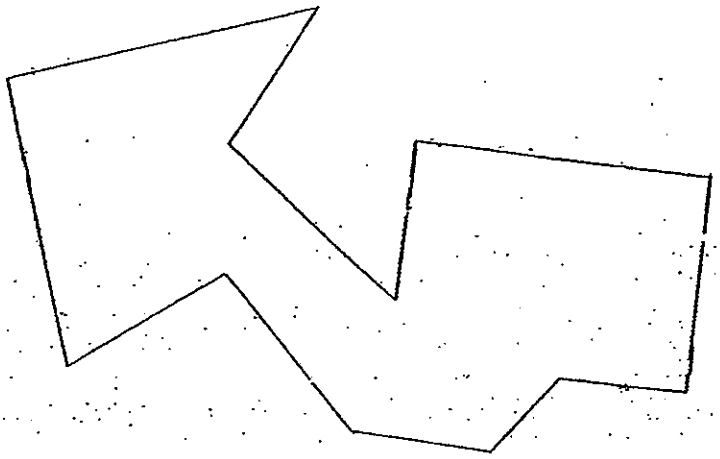
34 Name **two** lines that are perpendicular to the line XY.



Ans: _____ and _____

(Go on to the next page)

35 Mark all the right angles in the figure below.



End of booklet

61.

METHODIST GIRLS' SCHOOL

Founded in 1887

END-OF-YEAR EXAMINATION 2012
PRIMARY 3
MATHEMATICS

(BOOKLET B)

Total Time: 1 h 35 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.

Name: _____ ( )

Class: Primary 3._____

Date: 9 October 2012

20

This booklet consists of 4 printed pages including this page.

63.

Section C

For questions **36** to **40**, show your working clearly and write your answers in the space provided. The number of marks available is shown in brackets [ ] at the end of each question or part question. (20 marks)

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36 Kumar had $7.60. He had 12 fifty-cent coins. The rest of his money were twenty-cent coins.

(a) How many 20-cent coins did he have?

(b) He had $3.90 left after buying a notebook. How much did the notebook cost?

Ans: (a) _____ [3]

(b) _____ [1]

65.

(Go on to the next page)

37 Nuraini took a 4 h 40 min flight from Singapore to Perth.

(a) She left Singapore at 11.35 a.m. At what time did she arrive in Perth?

(b) Helen took a different flight and reached Perth 50 min before Nuraini. How long was Helen's flight?

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

38 Peter cut a cake into 6 equal pieces. He ate 1 piece. Minnie ate 2 times as many pieces as Peter.

(a) What fraction of the cake did Peter eat?

(b) What fraction of the cake was left?
Give your answer in the simplest form.

Ans: (a) _____ [1]

(b) _____ [3]

61.

(Go on to the next page)

39 There are 628 beads in Jar A, Jar B and Jar C.
There are 3 times as many beads in Jar B as Jar A.
There are 3 more beads in Jar C than Jar A.

(a) How many beads are there in Jar A?

(b) How many more beads are there in Jar B than Jar A?

Ans: (a) _____ [2]

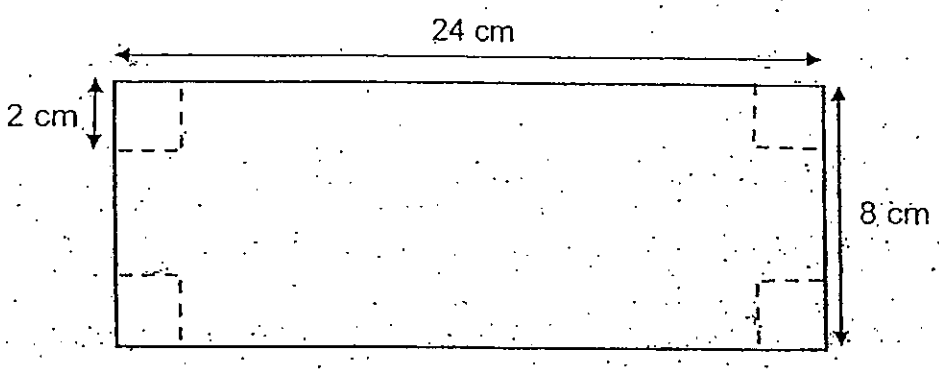
(b) _____ [2]

(Go on to the next page)

40 The figure below shows a rectangular piece of paper measuring 24 cm by 8 cm. Four small squares of side 2 cm are cut out from the four corners of the piece of paper.

(a) What is the perimeter of the remaining piece of paper?

(b) What is the area of the remaining piece of paper?



Ans: (a) _____ [2]

(b) _____ [2]

End of Paper

Answer Ke

EXAM PAPER 2012

SCHOOL : MGS
SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA2

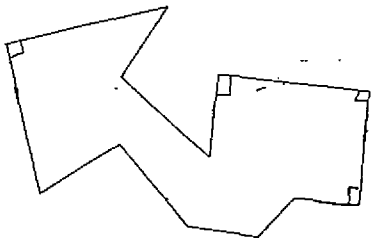
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16
2	4	3	2	3	4	3	1	3	2	1	4	1	3	2	4

17)1735 18)847 19)$27.10 20)$17 21)210m2

22)1kg 250g 23)445m 24)900cm 25)1020ml 26)1h 30min

27)7.45a.m. 28)7/8 29)3/7, 3/5, 7/10 30) ½ 31)42

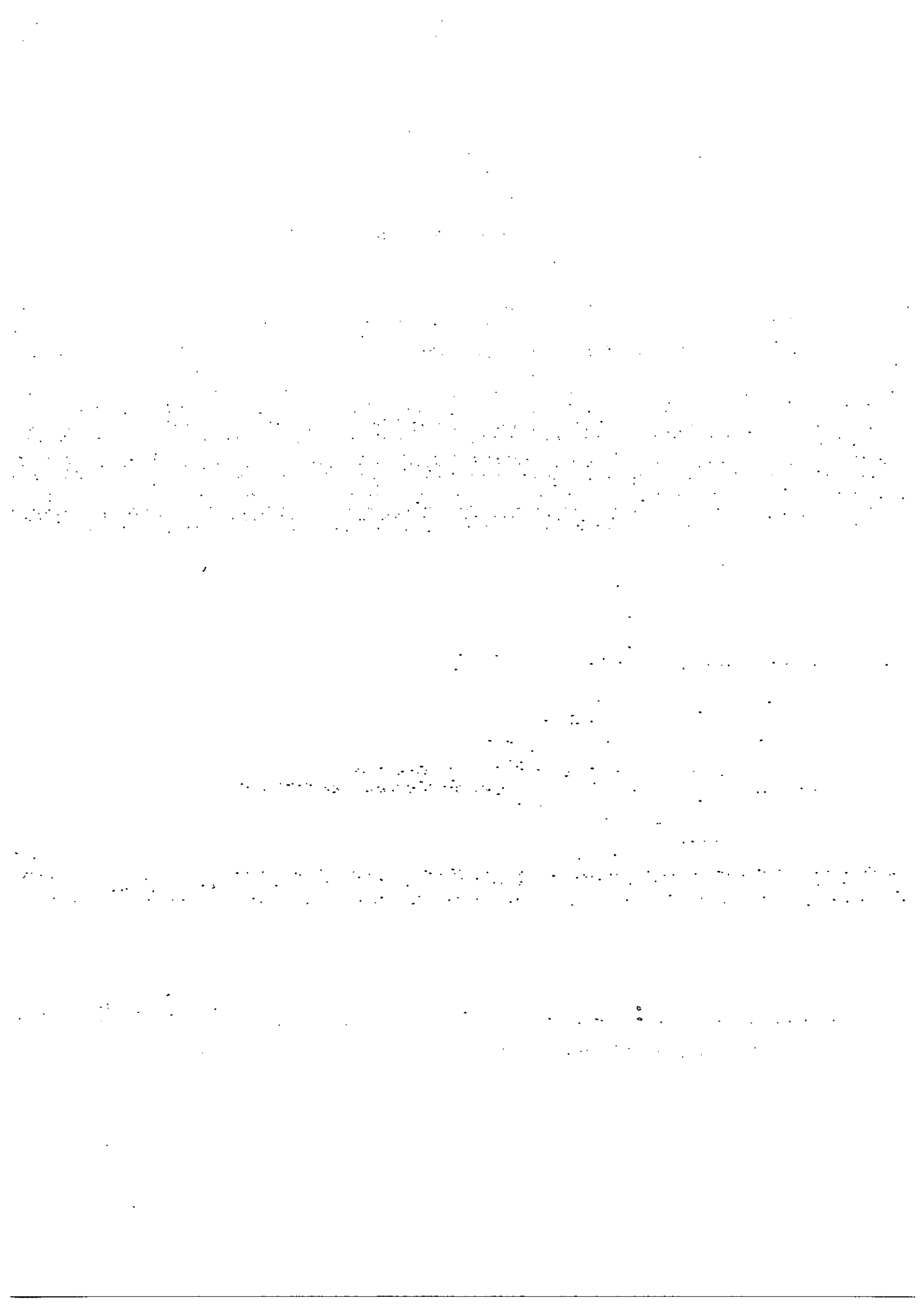
32)70 33)GB//EC 34)LF//KJ 35)



36)a)8 b)$3.70

37)a)4.15 b)3h 50min

38)a)1/6 b)6/6 – 3/6 = 3/6 ÷ 3 = ½

39)a)628 – 3 = = 625
625 ÷ 5 = 125
There are 125 beads in Jar A.
b)125 x 3 = 375
375 – 125 = 250
There are 250 bead more in Jar B then in Jar A.

40)a)2 x 2 = 4
4 x 4 = 16
24 x 8 = 192
192 – 16 = 176