END-OF-YEAR EXAMINATION 2016
PRIMARY 3
MATHEMATICS

(BOOKLET A)

Total Time

Sections A to C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 3._____

Date: 26 October 2016

This booklet consists of 6 printed pages including this page.

Section A
Questions **1** to **4** carry 1 mark each.
Questions **5** 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. (28 marks)

---

1 8 425 = _____ + 400 + 20 + 5

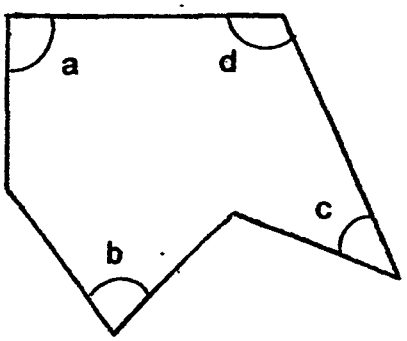
What is the missing number in the blank?

(1) 8
(2) 80
(3) 800
(4) 8 000

2 6 km 2 m = _____ m

(1) 62
(2) 602
(3) 6 002
(4) 6 200

3 Which one of the angles is a **right angle**?



(1) ∠a
(2) ∠b
(3) ∠c
(4) ∠d

4 How many whole numbers between 15 and 35 can be divided exactly by 6?

(1) 5

(2) 2

(3) 3

(4) 4

5 $\square \div 7 = 28 \text{ R } 2$

What is the missing number?

(1) 190

(2) 194

(3) 196

(4) 198

6 Which one of the following fractions is **not** equivalent to $\frac{1}{4}$?

(1) $\frac{5}{20}$

(2) $\frac{2}{8}$

(3) $\frac{3}{12}$

(4) $\frac{4}{8}$

7 5 201, 5 001, 4 801, _____, 4 401

In the number pattern, what is the missing number?

(1) 4 301

(2) 4 601

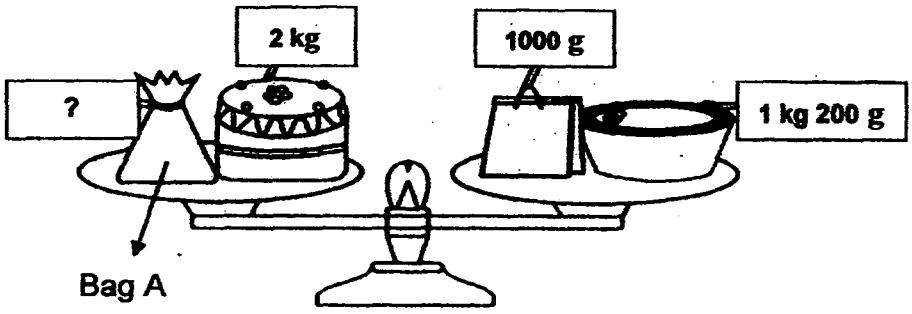
(3) 4 701

(4) 4 901

8 What is the total value of the digits '5' in 5 705?

(1) 4 995
(2) 5 005
(3) 5 700
(4) 5 710

9



Farah placed four objects on a weighing scale. What was the mass of Bag A?

(1) 200 g
(2) 1 000 g
(3) 1 200 g
(4) 2 200 g

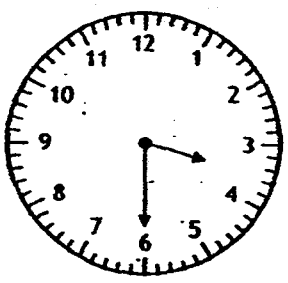
10 Xiaoling placed 570 beads equally into 6 bags.
In each bag, there were 48 blue beads and the rest were red beads.
How many red beads were there in each bag?

(1) 47
(2) 95
(3) 143
(4) 288

11 Bala has 35 more stamps than Jiahui. Mabel has 55 fewer stamps than Bala. Robert has 20 fewer stamps than Bala. Who has the **least** number of stamps?

(1) Bala
(2) Jiahui
(3) Mabel
(4) Robert

12 In the afternoon, Chloe noticed that the clock in her classroom as shown was 20 minutes slow. What was the actual time?



(1) 3.10 p.m.
(2) 3.50 p.m.
(3) 4.10 p.m.
(4) 4.50 p.m.

13 The length of a square table is 8 cm. What is its perimeter?

(1) 16 cm
(2) 24 cm
(3) 32 cm
(4) 64 cm

14 Candice ate $\frac{2}{3}$ of a pie and Jun Ming ate $\frac{1}{12}$ of the same pie.

What fraction of the pie was left?

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

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

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

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

15 What is the cost of 9 ten-cent stamps and 4 fifty-cent stamps?

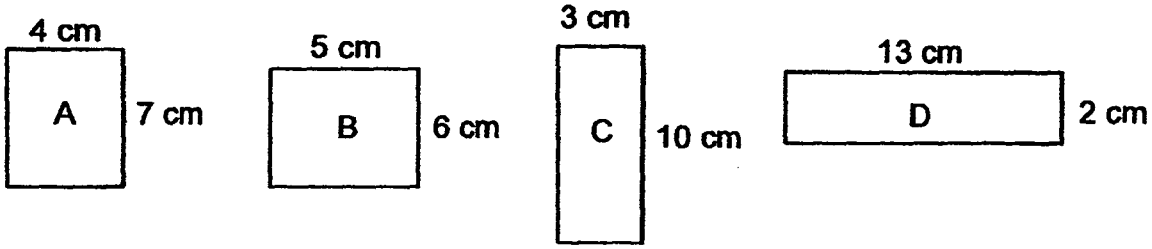
(1) $0.90

(2) $2.00

(3) $2.90

(4) $4.90

16 Which of the following rectangles below have a similar area?



(1) A and B

(2) B and C

(3) B and D

(4) C and D

END-OF-YEAR EXAMINATION 2016
PRIMARY 3
MATHEMATICS

(BOOKLET B)

Total Time

Sections A to C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 3._____

Date: 26 October 2016

/30

This booklet consists of 8 printed pages including this page.

(Go on to the next page)

Section B
Questions **17** to **22** carry 1 mark each.
Questions **23** to **34** carry 2 marks each.
Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (30 marks)

---

17 Write 6 thousands and 40 tens in numerals.

Ans: _____

18 Arrange the following fractions in order, beginning with the greatest.

$\frac{1}{4}$ $\frac{1}{7}$ $\frac{1}{2}$ $\frac{1}{9}$

Ans: _____, _____, _____, _____

19 Express 2 075 g in kilograms and grams.

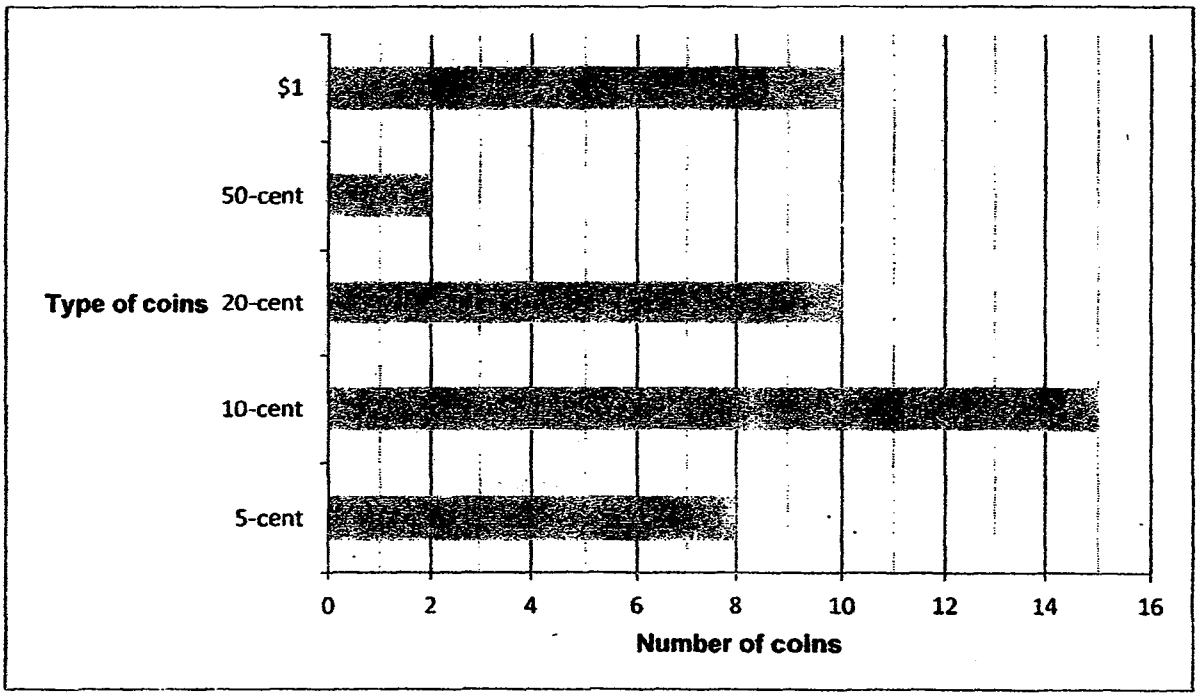
Ans: _____ kg _____ g

20 I am the smallest 4-digit odd number with the digits 3, 6, 7 and 0.
What number am I? (Use each digit only once)

Ans: _____

(Go on to the next page)

The bar graph below shows the number of different coins Raju has saved over a week. Use the graph to answer questions **21-23.**



21 Raju has the same number of these two types of coins. Which are they?

Ans: _____ and _____

22 Which type of coin is 4 times the number of 50-cent coins?

Ans: _____

23 What is the total amount of money Raju has saved?

Ans: $ _____

(Go on to the next page)

24 What is the missing number below?

$$\begin{array}{r} 6\,\ell \quad 20\,m\ell \\ -\ 2\,\ell \quad 100\,m\ell \\ \hline \\ \hline \end{array}$$

Ans: _____ ℓ _____ $m\ell$

25 △ + ○ + □ = 102

△ + □ = 89

What is the value of ○ ?

Ans: _____

26 $15 \times 6 =$ □ $\div 2$

What is the missing number in the box?

Ans: _____

27 Mrs Jones travels from her house to the market and then back to her house daily. The distance between her house and the market is 7 km. What is the total distance she travels in a week?

Ans: _____ km

(Go on to the next page)

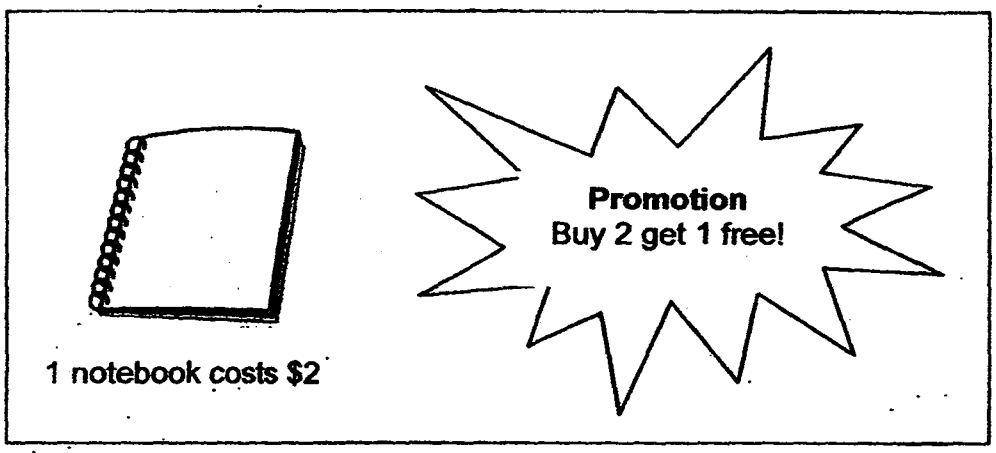
28 $\frac{3}{10} + \boxed{?} = \frac{1}{2}$

What is the missing number?

Give your answer in the simplest form.

Ans: _____

29 The poster below shows a promotion at a school bookshop.



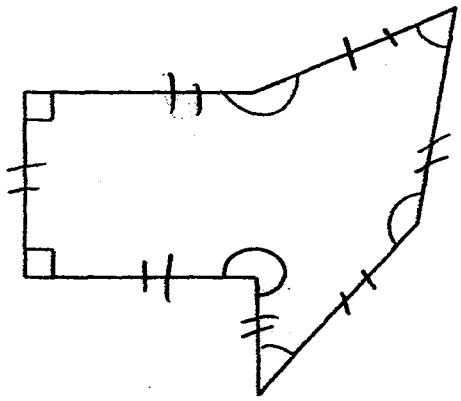
Lynette paid $8 for some notebooks.

How many notebooks did she get altogether?

Ans: _____

(Go on to the next page)

30 Study the figure below carefully.



(a) How many sides does this figure have?

(b) How many angles in the figure are greater than a right angle?

Ans: (a) _____

(b) _____

31 Zara bought some sugar to bake for a party. She used $\frac{1}{2}$ of the sugar to make cookies, $\frac{1}{12}$ of it to make brownies and $\frac{1}{4}$ of it to make cupcakes.

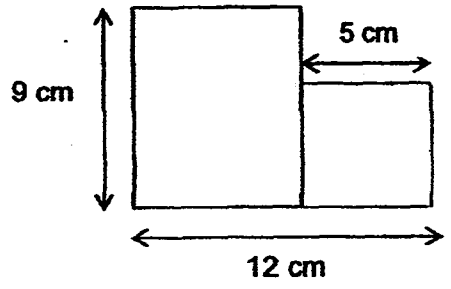
What fraction of sugar did Zara use altogether?

Give your answer in the simplest form.

Ans: _____

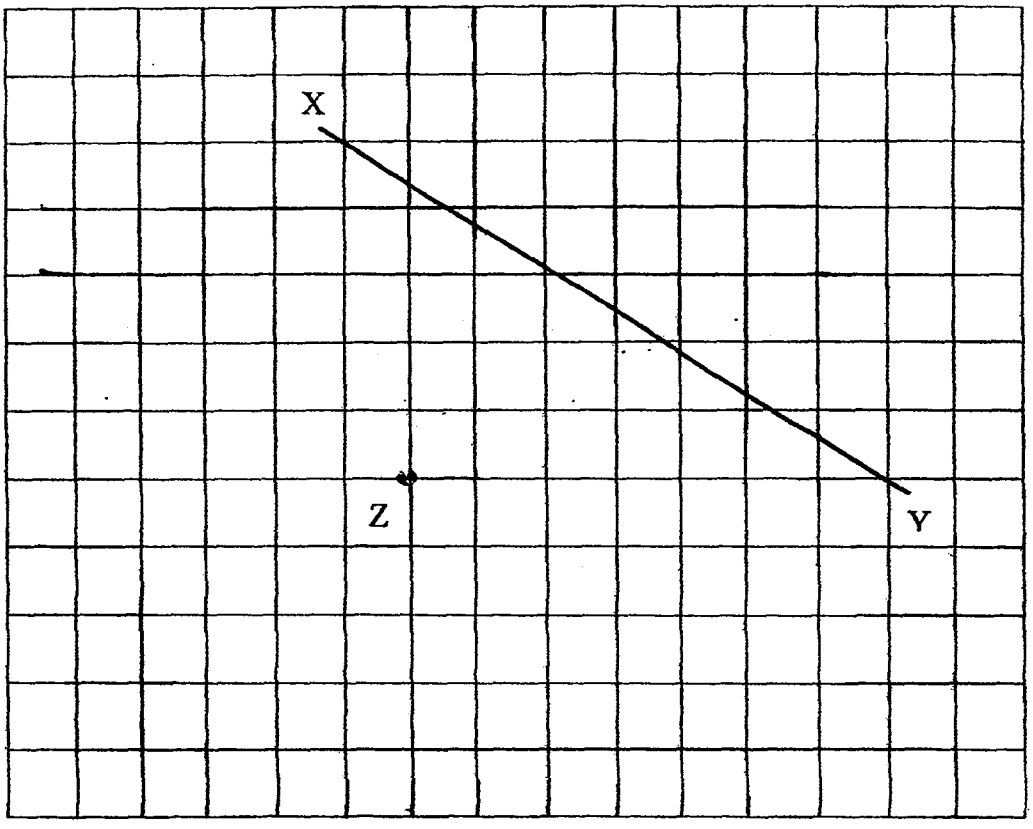
(Go on to the next page)

32 The figure is made up of a rectangle and a square. Find the area of the figure.



Ans: _____ cm^2

33 Draw a line through Point Z that is parallel to Line XY shown below.



(Go on to the next page)

34 The signboard below is placed on the door of Moonlight Cafe.

Opening Hours: 11 a.m. – 9 p.m. daily
Closed on Sunday

The cafe is open for _____ hours a week.

Ans: _____ h

Go on to Booklet C

END-OF-YEAR EXAMINATION 2016
PRIMARY 3
MATHEMATICS

(BOOKLET C)

Total Time

Sections A to C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 3._____

Date: 26 October 2016

Booklet A	/ 28
Booklet B	/ 30
Booklet C	/ 22
TOTAL	/ 80

Parent's Signature: _____

This booklet consists of 7 printed pages including this page.

(Go on to the next page)

Section C

For questions **35** 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. (22 marks)

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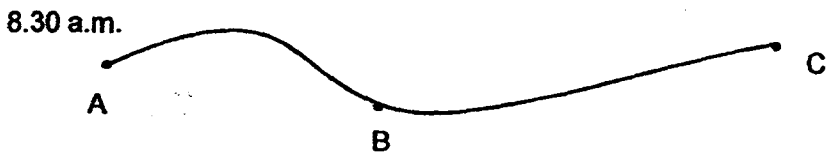
35 At 8.30 a.m., Siti boarded a bus at Town A.

It took her 2 h 20 min to reach Town C.

She took the same amount of time to travel back from Town C to Town A.



(a) What time did she reach Town C?

(b) If Siti spent 3 h at Town C, what time did she reach Town A?

Ans: (a)_____ [1]

(b)_____ [2]

(Go on to the next page)

36 The mass of a container filled with some pebbles is 4 kg 750 g.
The empty container has a mass of 800 g.
How much lighter is the empty container than the pebbles?
(Give your answer in kilograms and grams)

Ans: _____ [3]

(Go on to the next page)

37 Ben had three times as much money as Colin. After Ben spent $110 and Colin spent $30, they had the same amount of money left.

(a) How much did Colin have at first?

(b) How much had each of them left in the end?

Ans: (a)_____ [3]

(b)_____ [1]

(Go on to the next page)

38 Mrs Tan had some sweets. She bought another 28 sweets. She gave 48 sweets each to her 3 children. In the end, she had 239 sweets left. How many sweets did Mrs Tan have at first?

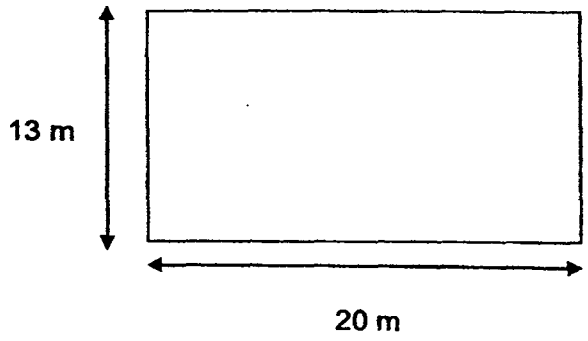
Ans: _____ [4]

(Go on to the next page)

39 Grace put a fence around a rectangular plot of land with dimensions as shown below. The cost of the fencing was $5 per metre.

(a) What was the total length of fencing needed?

(b) How much did she pay to put the fence around her land?



Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

40 Farmer Lee packed a total of 146 apples and pears into 20 bags.
Each bag contained either apples or pears.
The apples were packed in bags of 6 and the pears were packed in bags of 8.
How many bags of apples were there?

Ans: _____ [4]

End of Paper

ANSWER KEY

YEAR : 2016
LEVEL : PRIMARY 3
SCHOOL : METHODIST GIRLS'
SUBJECT : MATHEMATICS
TERM : SA2

Booklet A

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

Booklet B

Q17 6400

Q18 $\frac{1}{2}, \frac{1}{4}, \frac{1}{7}, \frac{1}{9}$

Q19 2 kg 75 g

Q20 3067

Q21 $1 and 20-cent

Q22 5-cent

Q23 $14.90

Q24 3 ℓ 920 mℓ

Q25 102 – 89 ⇒ 13

Q26 15 x 6 = 180 ÷ 2

Q27 7 x 2 → 14
14 x 7 ⇒ 98 km

Q28 $\frac{1}{5}$

Q29 2 x 2 = 4
8 ÷ 4 = 2
3 + 3 ⇒ <u>6 notebooks</u>

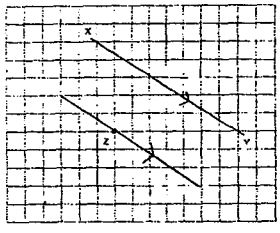
Q30 (a) 7

(b) 3

Q31 $\frac{5}{6}$

Q32 12 – 5 = 7
9 x 7 = 63
5 x 5 = 25
63 + 25 ⇒ <u>88 cm²</u>

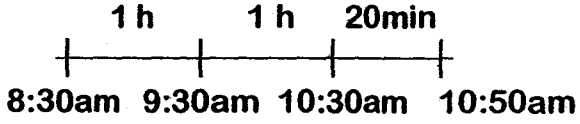
Q33



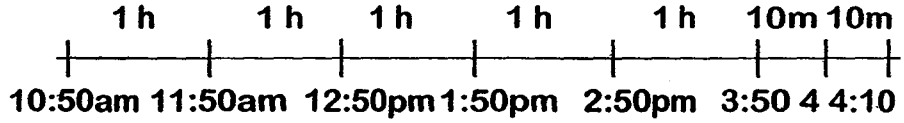
Q34 10 x 6 ⇒ <u>60 h</u>

<u>Booklet C</u>

Q35 (a) <u>10:50 am</u>



(b) <u>4:10 pm</u>



Q36 $4750 - 800 \rightarrow 3950$
$3950 - 800 \Rightarrow 3150 \approx$ <u>3 kg 150 g</u>

Q37 (a) $\$110 - \$30 = \$80$
$\$80 \div 2 \Rightarrow$ <u>$40</u>

(b) $\$40 - \$30 \Rightarrow$ <u>$10</u>

Q38 $48 \times 3 = 144$
$239 + 144 = 383$
$383 - 28 \Rightarrow$ <u>355 sweets</u>

Q39 (a) $20 + 13 + 20 + 13 \Rightarrow$ <u>66 m</u>

(b) $66 \times \$5 \Rightarrow$ <u>$330</u>

Q40 7 bags of apples

End