

**MID-YEAR EXAMINATION 2016  
MATHEMATICS  
BOOKLET A  
PRIMARY THREE**

Name: \_\_\_\_\_ (     )     Class: Primary 3 \_\_\_\_

Date: 6 May 2016

Duration of Booklets A & B: 1 hour 45 minutes

**INSTRUCTIONS TO CANDIDATES**

1. This question paper consists of 4 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answers on the Optical Answer Sheet (OAS) provided.

**Section A (10 x 2 marks each)**

For each of the following questions, four options are given. Choose the correct option and shade its oval (1, 2, 3 or 4) in the Optical Answer Sheet provided.

1. In 1 687, which digit is in the hundreds place?

- (1) 1
- (2) 6
- (3) 7
- (4) 8

2. 5 thousands, 4 tens and 25 ones is the same as \_\_\_\_\_.

- (1) 5 425
- (2) 5 290
- (3) 5 254
- (4) 5 065

3. What is 10 less than 1 200?

- (1) 1 090
- (2) 1 100
- (3) 1 190
- (4) 1 210

4. Find the sum of 250 and 5 590.

- (1) 5 840
- (2) 5 740
- (3) 5 615
- (4) 5 340

5.  $49 \div 7$  is the same as  $7 \times \boxed{?}$ .

- (1) 7
- (2) 8
- (3) 42
- (4) 56

6. Divide 705 by 9. The remainder is \_\_\_\_\_.

- (1) 78
- (2) 70
- (3) 3
- (4) 7

7. Jerry collected \$9 each from 42 people. How much money did he collect altogether?

- (1) 41
- (2) 51
- (3) 368
- (4) 378

8. Celeste bought a dress for \$63.85 and paid the cashier \$100. How much change did she receive?

- (1) \$27.70
- (2) \$36.15
- (3) \$62.85
- (4) \$163.85

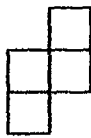
9. Ali bought 709 marbles and Donald bought 55 more marbles than Ali. How many marbles did Donald buy?

- (1) 764
- (2) 754
- (3) 659
- (4) 654

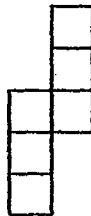
10. Some squares are used to make the following pattern.



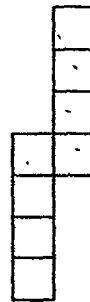
Pattern 1  
2 squares



Pattern 2  
4 squares



Pattern 3  
6 squares



Pattern 4  
8 squares

?

Pattern 7  
? squares

How many squares are there in Pattern 7?

- (1) 9
- (2) 12
- (3) 14
- (4) 16

**MID-YEAR EXAMINATION 2016  
MATHEMATICS  
BOOKLET B  
PRIMARY THREE**

Name: \_\_\_\_\_ (     )     Class: Primary 3 \_\_\_\_\_

Date: 6 May 2016

Duration of Booklets A & B: 1 hour 45 minutes

\_\_\_\_\_  
Parent's/Guardian's signature

**INSTRUCTIONS TO CANDIDATES**

1. This question paper consists of 15 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

Section	Maximum Marks	Marks Obtained
A. Multiple-Choice Questions	20	
B. Short Answers	38	
C. Problem Sums	22	
Total Marks	80	

**SECTION B - Short Answers (38 Marks)**

Questions 11 to 20 carry 1 mark each. Questions 21 to 34 carry 2 marks each. Show all workings clearly. Write your answer in the space provided. Give your answers in the units stated and in its simplest form whenever possible.

11. Write 3 712 in words.

Answer : \_\_\_\_\_

12. Arrange the following numbers in ascending order.

2 036 , 3 602 , 3 206 , 2 360

Answer : \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(greatest)

13. Complete the following number pattern.

469 , 479 , 499 , 509 , \_\_\_\_\_ , 539 , 559 , 569

Answer : \_\_\_\_\_

14. Using all the digits 4, 3, 7 and 8 only once, write the smallest possible 4-digit odd number.

Answer : \_\_\_\_\_

15. Write 2 005 ¢ in dollars and cents.

Answer : \$ \_\_\_\_\_

16. Devi bought 6 sunflowers at \$6 each. How much did she pay for all the sunflowers?

Answer : \$ \_\_\_\_\_

17. Mrs Lee gave 24 sweets equally to 4 girls. How many sweets did each girl receive?

Answer : \_\_\_\_\_

18. Find the product of 8 and 308.

Answer : \_\_\_\_\_

19. Thomas spent \$8.75 on a burger and \$4.35 on a drink for lunch. How much did he spend on his lunch?

Answer : \$ \_\_\_\_\_



20. What is the missing digit in the box?

$$\begin{array}{r} 3153 \\ + \quad 948 \\ \hline 4 \boxed{?} 01 \\ \hline \end{array}$$

Answer : \_\_\_\_\_

21. Look at all the 4-digit numbers listed below.  
Find the difference between the greatest number and the smallest number.

3 047    6 142    2 001    1 990    4 279

Answer : \_\_\_\_\_

22. A baker baked 1 280 cupcakes. He sold 705 of the cupcakes. How many cupcakes were left?

Answer : \_\_\_\_\_

23. 126 boys took part in a competition. There were 37 fewer boys than girls in the competition. How many girls took part in the competition?

Answer : \_\_\_\_\_

24. The sum of 2 numbers is 6 783.  
The greater number is 3 954, what is the smaller number?

Answer : \_\_\_\_\_

25. Bernard had \$17.35. He wanted to buy a board game that costs \$30.95. How much more money would he need to buy the board game?

Answer : \$ \_\_\_\_\_

26. There were 3 fishballs in a stick. After Mrs Sim made 9 sticks of fishballs, she had 2 fishballs left. How many fishballs did Mrs Sim have altogether?

Answer : \_\_\_\_\_

27. A fisherman caught 1 435 prawns and 267 squids. How many more prawns than squids did he catch?

Answer : \_\_\_\_\_

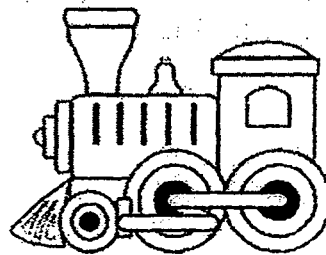
28. Dennis bought 10 black pens and 8 green pens. He packed all the pens equally into 3 bags. How many pens were there in each bag?

Answer : \_\_\_\_\_

29. Aunt May made 900 curry puffs. She packed 8 curry puffs in each packet. How many curry puffs were left over?

Answer : \_\_\_\_\_

30. Mikel had \$40.15 left after buying a toy train.  
How much did he have at first?



\$19.50

toy train

Answer : \$ \_\_\_\_\_

31. The fruit seller had 189 bags of mangoes. There were 6 mangoes in each bag.  
How many mangoes did the fruit seller have?

Answer : \_\_\_\_\_

32. During a meeting, 5 men shook hands only once with each other. How many times did they shake hands?

Answer : \_\_\_\_\_

33. 511 biscuits were shared among some children. If each child receives 7 biscuits, how many children were there?

Answer : \_\_\_\_\_

34. Study the diagram below.

$$\heartsuit + \heartsuit = 58$$

$$\text{and } \heartsuit + \heartsuit + \diamond + \diamond + \diamond + \diamond = 94$$

Find  $\diamond$

Answer : \_\_\_\_\_

**SECTION C - Problem Sums (22 Marks)**

Questions 35 to 36 carry 3 marks each. Questions 37 to 40 carry 4 marks each. Show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Express your answers in the units stated and in its simplest form whenever possible.

35. Mr Lim had 1 340 bottles of mineral water. He bought another 652 bottles of mineral water. After selling some bottles, Mr Lim had 845 bottles of mineral water left. How many bottles of mineral water did Mr Lim sell?

Answer: \_\_\_\_\_ [ 3 ]

36. There are 425 passengers. There are 9 buses to send them to the airport. Each bus can seat 45 passengers. How many passengers will not have a seat?

Answer: \_\_\_\_\_ [ 3 ]

37. Cathy, Doris and Ella have some beads. Cathy has 2 285 beads and Doris has 725 beads.

(a) How many beads do Cathy and Doris have?

(b) The total number of beads that Cathy and Ella have is 2 653. How many beads does Ella have?

Answer: (a) \_\_\_\_\_ [ 2 ]

(b) \_\_\_\_\_ [ 2 ]



38. Every week, Junhao received \$31.90 from his mother. This week, he saved \$18.55 and spent the rest.

(a) How much did he spend this week?

(b) If he saved \$6.80 more last week than this week, how much did he save last week?

Answer: (a) \_\_\_\_\_ [ 2 ]

(b) \_\_\_\_\_ [ 2 ]

39. Charlie had 432 jelly beans. Charlie had twice as many jelly beans as Darryl.

(a) How many jelly beans did Darryl have?

(b) If Eve had 4 times as many jelly beans as Charlie, how many jelly beans did Eve have?

Answer: (a) \_\_\_\_\_ [ 2 ]

(b) \_\_\_\_\_ [ 2 ]

40. A swordfish costs \$3 and a goldfish costs \$5. Mr Yu spent \$62 on 16 fishes. How many swordfishes did he buy?

Answer: \_\_\_\_\_ [ 4 ]



# ANSWER KEY

YEAR : 2016  
LEVEL : PRIMARY 3  
SCHOOL : ANGLO-CHINESE  
SUBJECT : MATHEMATICS  
TERM : SA1

## Booklet A & B

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	4	3	1	2	3	4	2	1	3

Q11 Three thousand seven hundred and twelve.

Q12 2036, 2360, 3206, 3602

Q13 529

Q14 3487

Q15 \$20.05

Q16  $6 \times 6 \Rightarrow \$36$

Q17  $24 \div 4 \Rightarrow \underline{6 \text{ sweets}}$

Q18  $308 \times 8 \Rightarrow \underline{2464}$

Q19  $\$8.75 + \$4.35 \Rightarrow \underline{\$13.10}$

Q20 1

Q21  $6142 - 1990 \Rightarrow \underline{4152}$

Q22  $1280 - 705 \Rightarrow \underline{575 \text{ cupcakes}}$

Q23  $126 + 37 \Rightarrow \underline{163 \text{ girls}}$

Q24  $6783 - 3954 \Rightarrow \underline{2829}$

Q25  $\$30.95 - \$17.35 \Rightarrow \underline{\$13.60}$



- Q26       $9 \times 3 \rightarrow 27$   
           $27 + 2 \Rightarrow \underline{29 \text{ fishballs}}$
- Q27       $1435 - 267 \Rightarrow \underline{1168 \text{ prawns}}$
- Q28       $10 + 8 \rightarrow 18$   
           $18 \div 3 \Rightarrow \underline{6 \text{ pens}}$
- Q29       $900 \div 8 \rightarrow 112\text{R}4 \Rightarrow \underline{4 \text{ curry puffs}}$
- Q30       $\$40.15 + \$19.50 \Rightarrow \underline{\$59.65}$
- Q31       $189 \times 6 \Rightarrow \underline{1134 \text{ mangoes}}$
- Q32       $4 + 3 + 2 + 1 \Rightarrow \underline{10}$
- Q33       $511 \div 7 \Rightarrow \underline{73 \text{ children}}$
- Q34       $36 \div 4 \Rightarrow \underline{9}$
- Q35      1147 bottles
- Q36       $45 \times 9 \rightarrow 405$   
           $425 - 405 \Rightarrow \underline{20 \text{ passengers}}$
- Q37      (a)     $2285 + 725 \Rightarrow \underline{3010 \text{ beads}}$   
          (b)     $2653 - 2285 \Rightarrow \underline{368 \text{ beads}}$
- Q38      (a)     $\$31.90 - \$18.55 \Rightarrow \underline{\$13.35}$   
          (b)     $\$18.55 + \$6.80 \Rightarrow \underline{\$25.35}$
- Q39      (a)     $432 \div 2 \Rightarrow \underline{216 \text{ jelly beans}}$   
          (b)     $432 \times 4 \Rightarrow \underline{1728 \text{ jelly beans}}$
- Q40      9

