

# This page is intentionally blank 

## Instructions:

For items 1 to 34, there is only ONE (1) correct answer. Indicate your response to each item by shading the letter next to the answer you choose. An example is given below.


## Example

What is the result of $\mathbf{7 + 8}$ ?
(A) 1
(B) 15
(C) 56
(D) 78
" $B$ " is shaded because it is the ONLY correct answer.

1. Which name CORRECTLY represents the number 524?

A five hundred forty two
B five hundred twenty four
C two hundred fifty four
D four hundred twenty five

Examine the Venn diagram below. Use it to answer item 2.

2. Which student likes both Art and Music?
(A) Andre
(B) Jay
(C) Pat

D Sue

Five numbers are shown in the box below. The value of the digit $\mathbf{2}$ is less than one thousand in each of the numbers in the box. Examine the numbers carefully then answer item 3.

3. For which of the following is the value of the digit 2 also less than one thousand?
(A) 1,234
B) 42,936
(C) 329,463
(D) $5,249,310$
4. In the number 81,509 the digit 8 is in the $\qquad$ place.
(A) tens

B hundreds
C) thousands

## A student made the following statement. Use it to answer item 5.

"When multiplying a number by 10, simply put zero at the end of the number." For example: $42 \times 10=420$
6. Which statement is an example of an infinite set?
(A) the set of numbers greater than ten

B the set of letters in the alphabet
C the set of grains of rice in a cup
D the set of cars in a parking lot
8. Which problem can be solved by adding $\frac{1}{2}$ and $\frac{1}{3}$ ?
(A) Jake puts $\frac{1}{2}$ of his pencils into an empty bag. He then puts another $\frac{1}{3}$ of his pencils into the same bag. What fraction of his pencils are now in the bag?

B
Jake puts $\frac{1}{2}$ of his pencils into his desk. He then gives $\frac{1}{3}$ of the pencils in his desk to Lacy. What fraction of Jake's pencils did Lacy receive?

C Jake gives $\frac{1}{2}$ of his pencils to Bill and some of his pencils to Kimmy. What fraction of his pencils did he give to Kimmy, if he now has $\frac{1}{3}$ remaining?
(D)

Jake gives $\frac{1}{2}$ of his pencils to Jill and $\frac{1}{3}$ of the remainder to Bill. What fraction of his pencils does he have left?

The students in a class were given the following grid and asked to comment on the portion of the grid that is shaded. Use the grid, as well as the comments four students made about it, to answer item 9 .


## Comments:

Jody: "0.6 of the grid is shaded."
Lisa: " $60 \%$ of the grid is shaded."
Mike: " $\frac{3}{5}$ of the grid is shaded."
Andy: " 6 hundredths of the grid is shaded."


D 180

The table below shows the number of boys and girls in grades 2 to 5 at Rose Mountain Primary School. Use it to answer item 11.

| Grade | Boys | Girls |
| :---: | :---: | :---: |
| $\mathbf{2}$ | 24 | 16 |
| $\mathbf{3}$ | 15 | 25 |
| $\mathbf{4}$ | 12 | 15 |
| $\mathbf{5}$ | 16 | 15 |

11. In which grade is the ratio of boys to girls $4: 5$ ?
(A) Grade 2
(B) Grade 3
C) Grade 4
(D) Grade 5

Examine the two bars shown on the diagram below. The longer bar represents $400 \%$ of the shorter bar OR 160 units. Use this information to answer item 12.

12. Which statement is TRUE about the length of the shorter bar? The length of the shorter bar is $\qquad$ .
(A) 16 units, because $160 \div 10=16$
(B) 40 units, because $160 \div 4=40$

C 100 units, because $400 \div 4=100$
(D) 4 units, because $400 \div 100=4$

The students in 6 G were asked to name the sport they played. The data collected is shown in the Venn diagram below. Use it to answer item 13.


The diagrams below show two fractions, $\frac{2}{9}$ and $\frac{5}{9}$. Use them to answer item 16.

16. Determine the value of $\frac{2}{9}+\frac{5}{9}=$
(A) $\frac{3}{9}$

B $\frac{7}{9}$
(C) $\frac{7}{18}$
(D) $\frac{10}{18}$

The diagram below shows 8 donuts in a box. The ratio of coconut donuts (\%) to vanilla donuts $(\bigcirc)$ is $2: 6$. Use the diagram and this information to answer item 17.

17. What percentage of the donuts are coconut?

A $2 \%$
B) $4 \%$
C) $25 \%$
(D) $75 \%$

Read the statement below carefully. Use it to answer item 18.
"There is no number greater than $\mathbf{5 . 6 9}$ that has $\mathbf{6}$ in the tenths place."
18. Which of the following shows that the statement is FALSE?

| Ones | $\bullet$ | Tenths | Hundredths | Thousandths |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| (A) | 5 | $\bullet$ | 6 | 0 | 0 |
| (B) | 5 | $\bullet$ | 6 | 8 | 1 |
| (C) | 5 | $\bullet$ | 6 | 9 | 0 |
| (D) | 5 | $\bullet$ | 6 | 9 | 1 |

19. Simone, Peter and Michael were given a sum of money to share among themselves.

Simone received $45 \%$ of the money and Peter received $30 \%$.
What fraction of the money did Michael receive?
(A) $\frac{1}{4}$
(B) $\frac{1}{3}$
(C) $\frac{1}{2}$
(D) $\frac{4}{5}$
20. Which number is a prime factor of 50 ?
(1) 1

B 2
(C) 10

D 25
21. Which pair of diagrams represents equivalent ratios?

(A) \begin{tabular}{|l|l|}

\hline |  |  |
| :--- | :--- |
| 00 | 00000000 |
| 00 | 00000000 |
| $4: 16$ |  | <br>

\hline
\end{tabular}

and

(B)



(c) \begin{tabular}{|l|l|}

\hline |  | 00000 |
| :--- | :--- |
| 0 | 00000 |
| 0 | 00000 | <br>

\hline
\end{tabular}

and

D

and


The scaled drawing of a floor plan is shown below. Use it to answer item 22.

22. Which of the following is a reasonable estimate of the area of the living room?
(A) $20 \mathrm{~m}^{2}$
(B) $24 \mathrm{~m}^{2}$
(C) $40 \mathrm{~m}^{2}$
(D) $72 \mathrm{~m}^{2}$

The rectangle below has length 100 m and width 50 m . Use it to answer item 23.

23. What is the perimeter of the rectangle?
(A) 150 m

B 300 m
C 500 m
(D) 5000 m
24. Which rectangle has a perimeter that is different from the others?

(A) I

B II
(C) III
(D) IV
25. Which object is a good example of a pyramid?

(B)

(C)

26. Which statement about cubes could you use to convince her that it is NOT?
(A) All the edges have the same length.
(B) Each face is a square.

C It has 8 vertices.
28. Which statement is TRUE about the number of match sticks and the number of bubble gum balls she will need to build the model?

A The number of bubble gum balls will be a half of the number of match sticks.
B The number of bubble gum balls will be two thirds the number of match sticks.
C The number of bubble gum balls will be the same as the number of match sticks.
(D) The number of bubble gum balls will be two times the number of match sticks.

## Read the conversation below. Use it to answer item 29.

Toni: $\quad$ IIf the length of the sides of a quadrilateral are whole numbers, then the perimeter of the quadrilateral is always an even number because it has 4 sides."

Marcus: "I disagree, let me show you with one example."
©


As part of her statistics project, Dacia is collecting information on the number of lunches sold in her school's canteen daily. She represented the data she collected in the table below. Use it to answer item 30.

| Day | Number of Lunches |
| :---: | :---: |
| Monday | 60 |
| Tuesday | 71 |
| Wednesday | 65 |
| Thursday | 57 |
| Friday | 42 |

30. Which graph represents Dacia's findings as seen in the table?
(A)

(C)

B

(D)


A teacher conducted a survey to find out whether students liked to do homework or not. The table below shows the information the teacher collected. Use it to answer item 31.

| Question | Response | Gender |  | Total |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Female | $\mathbf{6 2}$ |  |
| Do you like to <br> do homework? | Yes | 38 |  | $\mathbf{5 8}$ |
|  | No | 34 | 24 | $\mathbf{1 2 0}$ |
| Total |  | 72 | 48 |  |

A Single Bar Graph


C Pie Chart


D Line Graph

33. A student is trying to determine which of two charts: a pie chart or a bar chart, would be BETTER to represent the time taken for seven (7) competitors to finish a set of activities. Which of the following would best justify the choice?

A the bar chart because it better represents changes over time
B the pie chart because it is better to use when comparing parts to a whole
C the bar chart because it is better to use when comparing individuals or groups
D the pie chart because it is easier to draw
The stem and leaf plot below shows the number of bananas sold by a school's tuck shop over a three week period. Use this information to answer item 32.

| Stem | Leaf |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | 1 | 9 |  |  |  |  |
| 4 | 5 | 7 | 8 |  |  |  |
| 5 | 1 | 1 | 1 | 5 |  |  |
| 6 | 2 | 2 |  |  |  |  |
| 7 | 5 | 9 | 9 |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |


32. The shaded area shows that 51 bananas were sold on three days. How many days were 79 bananas sold?
(A) 10
(B) 5

C 3
(D) 2


The line graph below shows the average number of students absent from grade 5 over a six-week period. Use it to answer item 34.

(A) Monday

B Wednesday
C Thursday
D Friday
36. Which TWO (2) number lines show multiples of 12 ?


Anthony made the statement below. Read it and then use it to answer item 37.
"For three consecutive counting numbers an even number will always follow an odd number."
37. There are four sets of numbers listed in Column 1 of the table below. For each set of numbers given, shade the appropriate letter in each row to indicate whether the set of numbers is a good example or a poor example of Anthony's statement.

| Column 1 | Good Example | Poor Example |
| :---: | :---: | :---: |
| $\mathbf{5}, \mathbf{1 0}, \mathbf{1 5}$ | A | B |
| $\mathbf{4 5}, \mathbf{4 6}, \mathbf{4 7}$ | A | B |
| $\mathbf{2 , 3}, 5$ | A | B |
| $\mathbf{1 0 0}, \mathbf{1 0 1}, \mathbf{1 0 2}$ | A | B |

each row, to indicate whether it is a factor, a multiple or neither a factor nor multiple of the number in Column 1.

| Column 1 | Column 2 | Is a factor | Is a multiple | Is neither a factor <br> nor a multiple |
| :---: | :---: | :---: | :---: | :---: |
| $\mathbf{4 8}$ | 18 | A | B | C |
| $\mathbf{1 8}$ | 9 | A | B | C |
| $\mathbf{2 0}$ | 40 | A | B | C |
| $\mathbf{5 2}$ | 13 | A | B | C |

39. For each part of the cuboid listed in the table below, shade the appropriate letter in each row that represents each part of the cuboid.

| Part of the Cuboid | Letter |  |  |
| :---: | :---: | :---: | :---: |
| Edge | A) | B | C |
| Face | A | B | C |
| Vertex | A | B | C |

## Instructions:

For item 40, indicate your response to each item by shading the appropriate letters in the sentence or paragraph that make it correct. Each letter corresponds to a symbol/word/expression from a given list of options. Each option should be used only once. Not all options have to be used. An example is given below.

## Example

Choose two numbers from the list of options given below that make the number sentence that follows TRUE.

| A | B | C | D |
| :---: | :---: | :---: | :---: |
| 6 | 3 | 2 | 1 |

There are (A) (B) (C) (D) groups of 6 OR (A) (B) (C) (D) groups of 3 in the number 18.

The sentence should read:
There are $\mathbf{3}$ groups of 6 OR 6 groups of $\mathbf{3}$ in the number 18.

Therefore, " $B$ " must be shaded first, then " $A$ " second, in order to make the sentence correct.

Examine the two tables shown below. Use them to answer item 40.

| $\mathbf{A}$ | $\mathbf{B}$ | $\mathbf{C}$ |
| :---: | :---: | :---: |
| $\frac{1}{3}$ | 2 | 3 |


| $\mathbf{D}$ | $\mathbf{E}$ | $\mathbf{F}$ |
| :---: | :---: | :---: |
| $\frac{1}{4}$ | 12 | 16 |

40. Recall that factor $\times$ factor $=$ product.

Karen thinks that when we multiply two factors the product is always larger than each of the factors. Use one number from each table, as factors, to show that Karen's thinking is FALSE.
(A) (B) C
$\times$
(D) (B) ©

## Primary Exit Profile - 2022

|  | \{Name\} |
| :---: | :---: |
| \{DoB\} |  |
|  |  |


| $\checkmark$ Identification number |
| :---: |
| (0) (1) (2) (3) (4) 5 (6) (7) (8) (9) |
| (0) (1) (2) (3) (4) (5) (6) (7) (8) (9) |
| (0) (1) (2) (3) (4) 55 (6) 77 (8) 99 |
| (0) (1) (2) (3) 4) (5) (6) (7) (8) (9) |
| (0) (1) (2) (3) 4) 5 (6) (7) (8) 9 |
| (0) (1) (2) (3) 44) (5) (6) (7) (8) (9) |
| (-1) (2) (3) (4) (5) (6) (7) (8) © |
| (1) (1) (2) (3) 4) (5) (6) (7) 88 (9) |
| (1) (1) (2) (3) (4) (5) (6) (7) (8) © 9 |
| (0) (1) (2) (3) (4) (5) (6) (7) (8) © ${ }^{\text {c }}$ |
| DO NOT WRITE OR MAKE ANY MARK IN THIS BLOCK OR CHANGE ANYTHING IN IT |

## GENERAL INSTRUCTIONS

## Read the instructions below before answering the questions in the booklet:

1. Your booklet contains 40 questions and the space for you to shade your answer. Shade ALL answers in the space provided IN your booklet.
2. Read each instruction carefully, think about the answer and then make your choice.
3. Be sure to completely shade the circle that matches the answer you have chosen.

CORRECT:
INCORRECT: $\langle\otimes \odot \bigcirc$
4. If you change your answer, erase the first shaded answer completely THEN shade in the new answer.

## DO NOT OPEN THIS BOOKLET UNTIL TOLD TO DO SO

