

**pennacool.com Std. 4 Mathematics and Language Arts Answer Keys**

**MATHEMATICS**

**CHAPTER 1: NOTATION AND NUMERATION**

- 1) Two million, three hundred and twenty-five thousand, eight hundred and forty-nine.  
2) 5 070 338      3) Seven hundred and sixty-five thousand, one hundred and ninety-eight.  
4) 3 009 009      5) One million, eight thousand and thirty-six.      6) 700 600  
7)  $(1 \times 100\,000) + (3 \times 10\,000) + (5 \times 1000) + (4 \times 100) + (2 \times 10) + (2 \times 1)$       8) 10 000  
9) 7 045 058      10)  $(1 \times 100\,000) + (1 \times 1000) + (3 \times 100) + (1 \times 10) + (2 \times 1)$       11) 700 000  
12a) 6542    b) 2456      13) 98 642      14) Tens of thousands      15) 5000 / five thousand  
16) 5    17) 2 9 9 0 0 9    18) 16    19) 125 times    20) 69 900    21) 90 000  
22) 9    23) 39 996    24) 39 876, 41 235, 45 678, 45 786    25) 33 922, 33 292, 33 229  
26) 5999, 4438, 3698, 1965    27) 160 km    28) 37655    29) 10 000    30) 120 000 persons  
31a) \$250 139.00    b) \$250 000    32) 75 times  
33) No, Ravi is not correct. The place value of the 9 is hundreds of thousands. 900 000 represents the value of the 9.  
34) No, Mala is not correct. The value of the 2 is 2000. Thousands represents the place value.  
35) No, Zeenat is incorrect because the place value of the 6 is tens of thousands. 60 000 represents the value of the 6.

**CHAPTER 2: THE FOUR OPERATIONS**


- 1) 25 790      2) 20 790      3) 623      4) 74 486      5) 63 000  
6) 49 376      7) 10 875      8) 45      9) 49 998      10) 21 754  
11) 14 087      12) 2 064      13) 223      14) 12      15) 101 boxes  
16) 14 850      17) \$14 915.00      18) \$324 375.00      19) \$4950.00      20) 24 rows  
21) 26      22) 619      23) 1631      24) \$1 020.00      25) 336 students  
26) 241 students      27) \$18.00      28) 209 marbles      29) 1142 cookies      30) 403  
31) 137      32) \$8 067.60      33) 10<sup>th</sup> box      34) 4 320 km      35) 31 bags

**CHAPTER 3: TYPES OF NUMBERS**

- 1) 25, 64, 169, 324, 576      2a) 6   b) 9   c) 16   d) 20   e) 25      3) 144      4) 11  
 5) 22      6) 168      7)  $312 \approx 300$       8) 185      9) 54  
 10) 85      11) 21, 23, 25, 27, 29, 31, 33      12) 22, 54, 68, 34      13) 7  
 14a) Prime b) Prime c) Composite d) Prime e) Composite      15) 17, 19, 23, 29  
 16)  $4+6+8+9+10+12+14+15+16 = 94$       17) 72      18) 1, 5, 13, 65      19) 3  
 20) No, Ali is not correct. 51 is a composite number. A prime number is a number which is divisible by only two numbers that is one and itself. The factors of 51 are 1, 3, 17, 51. 51 has more than 2 factors therefore, 51 is not a prime number. It is a composite number.

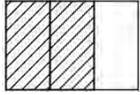
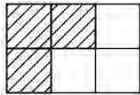
- 21)  $2 \times 3 \times 5$       22) 9, 18, 27, 36, 45      23) 11      24) 32      25)  $89 - 4 = 85$   
 26a) 4: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48  
       6: 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72  
       12: 12, 24, 36, 48, 60, 72, 84, 96, 108, 120, 132, 144  
 26b) 12, 24, 36, 48    c) 12      27) 15      28) 42      29a) 9

29b) This pattern was formed by adding seven then subtracting four.

- 30a) 49      b) 8<sup>th</sup>      31a)       b) Each shape has one side more than the preceding shape.

- 32) 51, 76

**CHAPTER 4: FRACTIONS**

- 1)  $\frac{111}{9}$       2)  $12 \frac{3}{12}$  or  $12 \frac{1}{4}$       3) 42      4) 3      5)  $\frac{1}{6}$       6)  $7 \frac{1}{8}$   
 7)  $10 \frac{1}{2}$       8)  $3 \frac{7}{8}$       9)  $11 \frac{1}{5}$       10)  $\frac{1}{2}, \frac{5}{8}, \frac{4}{6}, \frac{3}{4}$       11)  $\frac{3}{10}$   
 12) 10      13) \$108.00      14) <      15) 108      16) 25 marbles  
 17) 60 boys      18a)  $\frac{2}{3}$       b)  $\frac{2}{3} =$    $\frac{1}{3} =$        19a) 72 plums    b) 120 plums  
 20)  $\frac{4}{15}$       21) 13 slices      22) 19 mangoes      23) \$22.00      24) \$108.00  
 25)  $\frac{7}{12}$       26) Rishi got less pizza because  $\frac{2}{6} = \frac{4}{12}$  which is less than  $\frac{7}{12}$ .  
 27) Yes, Sam is correct because  $\frac{2}{3} = \frac{4}{6}$  which is more than  $\frac{1}{6}$ .      28) \$6.00      29) 35 green cars  
 30) 11 kg      31) 24 candies      32) 1972 adults      33) 55 marbles      34) 27 yellow balls  
 35) 27 tomatoes

**CHAPTER 5: DECIMALS**

1a)  $\frac{7}{100}$  b) Hundredths 2a) 0.7 b) 32.2 c) 9.25

3)  $(7 \times 100) + (4 \times 10) + (8 \times 1) + (2 \times \frac{1}{10}) + (4 \times \frac{1}{100}) + (6 \times \frac{1}{1000})$  4) 10 730.463

5) 9 6) 77.~~0~~7 7) 12.5 12.56 12.65 8) 18.2, 20.2 9) <

10) .45 11)  $\frac{13}{20}$

12)

Fraction	Decimal
$\frac{3}{4}$	<b>0.75</b>
$\frac{4}{5}$	0.8
$\frac{1}{8}$	0.125
$\frac{2}{3}$	<b>0.666</b>
$\frac{7}{8}$	0.875

13) 184.413 14) 59.14 15) 0.063 16) 0.803 17) 74.63

18) \$8.00 19) 0.25 20) 4.36 + 5.49 21) 0.4 22) 48.20 kg of flour

23) 20.1 24) 65.7 m 25) 30.33 26) 168 27) \$1 775.00

28) \$160.00 29) \$22.75 30) 30 boys 31) 45 cars 32) 360 apples

33a) 24 balls b) 40 balls 34a) 80 marbles b) 120 marbles c) 40 marbles

35a) 180 marbles b) 192 marbles c) 108 marbles

**CHAPTER 6: AREA AND PERIMETER**

- 1) 16 cm<sup>2</sup>    2) 32 cm<sup>2</sup>    3) 225 cm<sup>2</sup>    4) 12 cm<sup>2</sup>    5) 135 cm<sup>2</sup>    6) 169 cm<sup>2</sup>  
 7) 108 m<sup>2</sup>    8) 81 cm<sup>2</sup>    9) 8 cm    10) 256 m<sup>2</sup>    11) 2156 m<sup>2</sup>    12) 84 m<sup>2</sup>  
 13) 14 m    14) 8 m    15) 1120 m    16) 72 m    17) 68 m    18) 185 m  
 19) 280 m    20) 192 m    21) 280 cm    22) 48 m    23) 96 m    24) 20 m<sup>2</sup>  
 25) 57 m    26) \$3 920.00    27) 42 cm    28) 20 cm<sup>2</sup>    29) \$4 704.00    30) 86 m  
 31) \$7 776.00    32) Shape A has a greater area of 54 m<sup>2</sup>.    33) 60 m    34) 297 m<sup>2</sup>  
 35) Shape B has a greater area because the area of B is 70 m<sup>2</sup> whereas the area of A is 64 m<sup>2</sup>. 70 m<sup>2</sup> is greater than 64 m<sup>2</sup>.

**CHAPTER 7: STATISTICS (MEAN & MODE)**

- 1a) 8    b) 14    2) 50    3) Tom and Jerry    4a) Trinbago Knight Riders    b) 40 supporters  
 5) Cotton Candy    6) 2 goals    7) 25    8) 23    9) 48 marks    10) 48 runs  
 11) 15    12) 21    13) 328    14) 483 marks    15) 216    16) 17  
 17) 90    18a) 150    b) 31    19a) 59    b) 74    20) 7

21a)

Soft Drink Flavour	Tally	Frequency
Banana		8
Cream Soda		8
Grape		4
Pear		21
Kola Champagne		19

- b) 19 students    c) Pear    d) Banana and Cream Soda    e) 13 students    f) Pear    g) 60 students

22a) Game 5    b) Game 1    c) 175 persons    d) 1725 persons    e) 345 persons

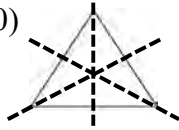
23a) 320 persons    b) Sunday    c) Monday (70 persons)    d) \$1920.0    e)  $\frac{1}{16}$

24a) 60 tomatoes    b) Brown    c) Harrylal and Neil    d) Gabriel picked the least with 7.

e) 12 tomatoes    f) 11 tomatoes

**CHAPTER 8: ANGLES**

- 1a) Acute Angle    b) Right Angle    c) Reflex Angle    d) Reflex Angle    e) Straight Angle  
 f) Obtuse Angle    2a) Reflex Angle    b) Acute Angle    c) Straight Angle    d) Obtuse Angle  
 e) Right Angle    3a) 51°    b) 20°    4) 87°    5) 190°    6a) 135°    b) 90°    c) 135°  
 d) 270°    e) 180°    7) East    8) North    9a) 1    b) Right Angle  
 10) Anticlockwise    11)  $\frac{5}{8}$     12a) half turn    b) more than a half turn    c) a quarter turn  
 d) less than a quarter turn    e) whole turn    13a) >    b) <    14) 225°    15) 72°  
 16a) Scalene Triangle    b) Right Angled Triangle    c) Isosceles Triangle    d) Equilateral Triangle  
 17) 1. Equilateral Triangle    2. Scalene Triangle    3. Isosceles Triangle    4. Right Angled Triangle  
 18) Right Angled Triangle- 0, Isosceles Triangle- 1, Scalene Triangle- 0, Equilateral Triangle- 3  
 19a) 45°    b) 30°    20)



- 21) Angle  $x = 60^\circ$ . The triangle given is an equilateral triangle. In an equilateral triangle, all angles are the same size that is  $60^\circ$ . (All angles must add up to  $180^\circ$ .  $180^\circ \div 3 = 60^\circ$ )  
 22) No, Sherry is not correct. An isosceles triangle has one line of symmetry.  
 23) Brandon is correct. A Reflex angle is an angle that is greater than  $180^\circ$  but less than  $360^\circ$ .  $181^\circ$  is more than  $180^\circ$  but less than  $360^\circ$  therefore it is a reflex angle. An obtuse angle is less than  $180^\circ$  but more than  $90^\circ$ .

**CHAPTER 9: GEOMETRY**

- 1a) Triangular Prism    b) Cube    c) Cone    d) Cylinder    e) cuboid    f) Square based pyramid  
 2)

Solid	Faces	Edges	Vertices
Cube	6	12	8
Cuboid	6	12	8
Cylinder	3	2	0
Cone	2	1	1
Triangular prism	5	9	6
Square based pyramid	5	8	5
Triangular pyramid	4	6	4

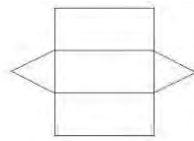
3a) Cuboid b) triangular based pyramid c) cube d) square based pyramid e) cylinder

4a) Triangular based pyramid b) triangular prism c) cube d) square based pyramid

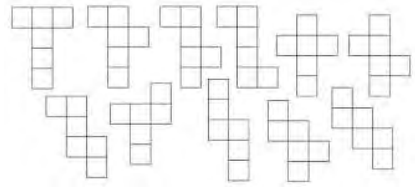
5) Cone

6) 1

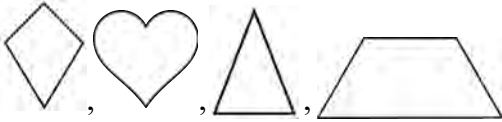
7)



8a) Square b) 6 c)









9)



10) 5 and 4 or 6 and 3

11) Cylinder/ It is a prism because it has a uniform cross-section.

12)

Polygon	Number of sides	Name of polygon
	3	Triangle
	4	Quadrilateral
	5	Pentagon
	6	Hexagon
	7	Heptagon
	8	Octagon

13) Nonagon

14) Hexagon

15) Heptagon

16)

Shape	No. of pairs of parallel sides	No. of pairs of equal sides
Trapezium	1	0
Square	2	2
Rhombus	2	2

17) 0      18) Square      19) Rectangle      20a) Rhombus    b) 2      21) Cylinder

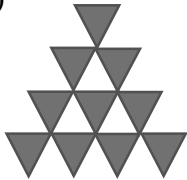
22) In a square, all angles are equal whereas the parallelogram has opposite angles equal.

(Square-all sides equal, parallelogram – opposite sides are equal.)

23a) Parallel Lines    b) Perpendicular Lines    c) Parallel Lines    d) Perpendicular Lines

24) Perpendicular lines are lines which meet to form right angles.

25a)                      b) 15 triangles



### CHAPTER 10: MEASUREMENT (LINEAR, MASS & WEIGHT, TIME AND VOLUME)

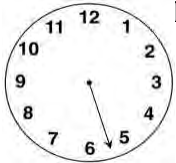
1a) Metre    b) millimetre    c) metre    d) centimetre    e) centimetre    f) metre

2a) 97    b) 1285    c) 6450    d) 7.45    e) 5.12      3) 7020 m      4a) 14 m 96 cm    b) 4 cm

5a) 9000 m    b) 54000 m      6) 13.55 km      7) 2750 cm      8) 4 m 40 cm

9) 11 cm      10) Grams      11) 4 m 95 cm      22) 7 kg      13) 3.25 kg

14)                      15) A by 6750 g    16) 140 packets    17) 6250 g      18) 20 bags



19) 4500 ml    20) 1.05 L      21) 1.5 L      22) 30      23) 8:40

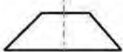
24) 1 hr 55 minutes      25) 3 hrs 30mins    26) 3:55 pm    27) 6:45

28a) 8:25 am    b) \$297.50      29) 12:40      30) 4 hrs 15 mins      31) 8 cm<sup>3</sup>

32) 4 cm      33) 300 cm<sup>3</sup>      34) 4 cm      35) 2 cm

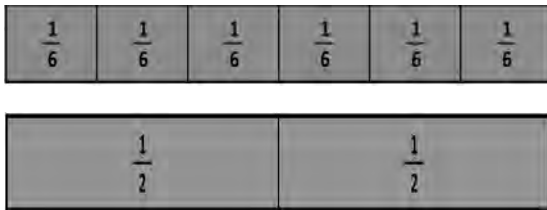
**CHAPTER 11: MISCELLANEOUS EXERCISE 1**

- 1) 200 000      2) 83      3)  $3\frac{1}{4}$       4) 152      5) 3.744      6) 100 times  
 7) 45      8a) 3 stamps    b) 9 stamps    9) 291 coloured pencils    10) 888 buns  
 11) 396      12) \$42.10    13) 81      14)  $\frac{7}{11}$       15) 24      16) \$90.00  
 17) 45 girls      18) 31.2 kg    19) 27      20) Cuboid  
 21a) B    b) B is a pyramid because it does not have a uniform cross-section.    22) 7:50

- 23a&b)     24) 18 cm    25) \$553.00    26) 55      27) 421 m    28) 80

29) Perpendicular lines are lines that intersect at a right angle whereas parallel lines never intersect.

- 30) 2, clockwise    31) 59 corn cobs      32a) 90 seats    b) 416 people      33a) 3 plums    b)  $\frac{1}{13}$   
 34) No, Maria is not correct.  $\frac{3}{6}$  is equal to  $\frac{1}{2}$ .      35) 23 footballs

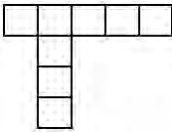


**CHAPTER 12: MISCELLANEOUS EXERCISE 2**

- 1) 2 404 021      2)  $(3 \times 100000) + (4 \times 1000) + (1 \times 100) + (9 \times 10) + (5 \times 1)$   
 3) 37 895      4) 210 000      5) 0.2 kg      6) 39,52      7) \$481.50  
 8) 3692 Goodies    9) 12 pieces      10)  $168^\circ$       11) 3      12) 9, 18, 27, 36, 45, 54  
 13)  $2 \times 3 \times 5$     14)  $\frac{11}{12}$       15) <      16) ||| ||| ||| ||    17) 240 cards  
 18) 3      19) 12      20) 7:20      21) 66 m      22) \$7452.00  
 23a) triangular prism    b) 5 faces , 9 edges, 6 vertices

24)

Description	Name of shape
Four lines of symmetry	Square
Two pairs of parallel lines	Rectangle
Zero equal sides and zero equal angles	Scalene Triangle

- 25a)     b)  $10^{\text{th}}$     26) 1    27) 16 cm    28a) 50 houses    b) 100 houses

- 29) 66      30a)  $\frac{1}{6}$     b) 120 men



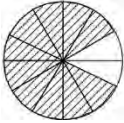
31) Ravi is correct because when squaring a number, the number is multiplied by itself.  $11 \times 11 = 121$

32a) Sherry is incorrect because the value of the 5 is 5000. Thousands represents the place value or the position of the 5. b) 4986

33) 8 lunches      34) 4 bags of 6      35a) 245 strawberries    b) 105 strawberries

### CHAPTER 13: MISCELLANEOUS EXERCISE 3

1) One million, five hundred and two thousand, three hundred and ninety-seven.



2)

3) 6

4) 42

5) 320

6)  $\frac{5}{6} \frac{2}{4} \frac{1}{3} \frac{3}{10}$

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

8) 8 m

9) 11 646

10)  $6\frac{1}{8}$

11) 21 doubles

12) 18 shuttles

13)  $2\frac{2}{3}$

14) 8

15) 13 750 m

16) Kilogram

17)



18) 7

19) 10 years

20) 35 minutes

21) Southeast

22a) A cylinder is a prism because it has a uniform cross section. b) 3 faces, 2 curved edges

23)  $267 \text{ m}^2$

24) 255 g

25a) Rectangle

b) 2

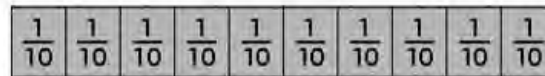
26) 9

27a) 9.2 kg b) No

28) \$63.00

29) Rita got more pizza. ( $\frac{3}{5} > \frac{4}{10}$ )

30a) 27 pies    b) \$67.50



31a) 24 eggs    b) 9 eggs    c) 39 eggs

32) 32 cm

33) Carl drew the correct shape. A triangular based pyramid has 4 faces, 6 edges and 4 vertices however, a triangular prism has five faces, nine edges and six vertices.

34a) \$140.00    b) \$120.00    c) \$160.00

35a) Toyota    b) 16 Mazda cars    c) 38 cars

## LANGUAGE ARTS

### **CHAPTER 1: NOUNS**

- 1) people, memories    2) toddler, level, intelligence, genius    3) Miss Singh, desktop, laptop  
4) pack, wolves, hiker, Mafeking Forest    5) crowd, host, show, autograph  
6) path, darkness    7) boys, fundraiser, money, uniforms    8) students, places, world  
9) monkey, patrons    10) friend, cell-phone, birthday    11) troupe    12) pride  
13) galaxy    14) pair    15) hive/ swarm    16) gang    17) reindeer    18) mice  
19) daughters-in-law    20) scissors    21) cacti    22) vertices  
23) Dr. Singh, Wednesday, Mummy    24) Taj Mahal, Maldives    25) Harry Potter  
26) bear's    27) girl's    28) boys'    29) friend's    30) country's  
31) We saw Maria's books all over the floor.  
32) Our neighbour's car was totalled in the accident.  
33) There were many adults at the children's Christmas party.  
34) Daddy got a huge discount, on men's shirts, at the sale.    35) bravery    36) beauty  
37) impatience    38) honesty    39) excellence    40) Curiosity

### **CHAPTER 2: PRONOUNS**

- 1) They, we, them    2) us, we    3) he    4) We, our    5) you    6) she, she  
7) you, I    8) We, they    9) he, we    10) I, it    11) myself    12) yourselves  
13) themselves    14) itself    15) ourselves    16) his    17) its    18) ours  
19) mine    20) theirs    21) that    22) who    23) when    24) which    25) whose  
26) Lisa went to the library to return the overdue books that she had.  
27) Dr. Singh told us to go into his office and wait for him.  
28) The teacher told the students to stand then she told them to get ready to say prayers.  
29) My parents decided to surprise me with a brand new cell-phone for my birthday. N.E.  
30) Aryan accidentally dropped his pencil on the ground so I bent to get it for him. N.E.  
31) We, we    32) I, we    33) which, me    34) whose, which    35) she

- 36) The manicoou was hanging, by its tail, from the narrow branch of the tree.
- 37) Jai threw his sneaker at the cat after it scratched him on his hand.
- 38) My sister, whose t-shirt was in the wash, decided to wear her lovely dress instead.
- 39) Over the weekend, I visited my friend who was sick.
- 40) Maria, who is an excellent reader, is competing in the nationwide Reading Competition which takes place next week.

### CHAPTER 3: VERBS and PUNCTUATION

- 1) stood, walked, heard      2) shone, kissing      3) marched, paraded      4) get, do
- 5) rotates, causing      6) playing      7) exists      8) asks      9) seen      10) eaten
- 11) eat      12) provides      13) prefers      14) meets      15) uses      16) heard
- 17) barking      18) done      19) wrote      20) left      21) beautify      22) introduced
- 23) creates      24) discuss      25) represented      26) do      27) dislikes      28) visits
- 29) want      30) assist

- 31) “The students are looking at the movie right now,” said Mrs. Ali.
- 32) Dr. Singh examined the patient as soon as he saw him come in on the wheelchair.
- 33) Every day, the mailman delivers all the mail before going back to the post office.
- 34) My family and I have visited the beach last week.
- 35) Ryan and Sarah accompanied by their prefect, volunteer at the clinic on weekends.
- 36) There are several items on the menu including: hot-dogs, pizza, fries and burgers.
- 37) Mummy went to the doctor; she was not feeling well.
- 38) “Where have you put your new book?” asked Sarah.
- 39) We were asked to obtain a list of ingredients for the cake like: flour, sugar, butter and eggs.
- 40) They don’t want to go to the theatre today because they have tickets for tomorrow’s show.

### CHAPTER 4: TYPES OF SENTENCES and SENTENCE ANALYSIS

- 1) declarative      2) interrogative      3) interrogative      4) imperative      5) exclamatory
- 6) Max and John are not playing together in the savannah.

- 7) The sun is not a planet; it is a star.
- 8) Students are not allowed to play in the car-park.
- 9) We did not miss our ride so we arrived at the circus on time.
- 10) Don't you know the girl who is talking to Mary?
- 11) We wanted to go to the mall. We decided to stay at home.
- 12) The bell was rung early. Our class started right away.
- 13) Sarah bought new shoes. She does not even wear them.
- 14) My sister can drive the car. She recently got her driver's license.
- 15) Daddy took a shower. He has just finished cutting the lawn.
- 16) **Mala (S) answered (V) many questions (O) in class today. (E)**
- 17) **The students (S) submitted (V) their assignments (O) on time. (E)**
- 18) **A cactus (S) is (V) a desert plant (O) that is adapted to the harsh desert conditions. (E)**
- 19) **Ali and John (S) grabbed (V) their batons (O) at the same time during the relay. (E)**
- 20) **Miss Singh (S) spoke (V) briefly at the online teacher's conference. (E)**
- 21) The fierce dog, inside the fenced yard, growled at us as we passed.
- 22) The students were in the laboratory preparing for their exams.
- 23) Mary and I went to the movies to see Godzilla.
- 24) The Twin Towers were named after the first Prime Minister of Trinidad and Tobago, Dr. Eric Williams.
- 25) The laptop froze and shut down when the electricity was cut.
- 26) subject      27) object      28) extension      29) verb      30) extension
- 31) Danny and I did get our report books early.
- 32) The manager of the company was able to hire new workers at that time. OR At that time, the manager of the company was able to hire new workers.
- 33) Parents were invited to view the Art and Craft display at school.
- 34) Do you know your multiplication tables?
- 35) At the end of the lesson, Mary understood how to add fractions.

36) There are birds, caiman, fiddler-crabs and snakes at the Caroni Bird Sanctuary.

37) I am going to jog to the savannah and back.

38) Trinidad and Tobago is one country which is made up of two islands.

39) Wow! Where did you find that beautiful ring?

40) At the supermarket, Mala bought: flour, rice, sugar and potatoes.

## CHAPTER 5: ADJECTIVES and PUNCTUATION

1) huge, happy, her      2) ripe, juicy, lowest, tall      3) soft, plush, most comfortable, nice, long

4) wonderful, mouth-watering, crowded      5) thick, colourful, warm, rainy

6) happy – happier – happiest      7) sweet – sweeter – sweetest      8) good – better – best

9) hot – hotter – hottest      10) pleasant – more pleasant – most pleasant

11) The explorer became overly joyous when he discovered piles of gold in the pyramid.

12) The end of term exams were extremely difficult.

13) We were totally exhausted after our trip to the beach.

14) The dog that was entirely muddy, made a mess everywhere.

15) Danny was unbelievably enthusiastic when Miss Singh asked him to be the leader of his group.

16) my      17) your      18) its      19) their      20) our      21) awful      22) wonderful

23) basic      24) magical      25) accidental

26) Mark was older than his sisters.

27) She is the cleverest / most clever girl in our class.

28) The pale colour of his shirt made it the least noticeable of all.

29) The man tied the thinner end of the rope to the car.

30) Of all the days in April, last Monday was the rainiest.

31) more delicate      32) coldest      33) most generous      34) luckiest      35) least successful

36) There were many flavours of ice-cream including: vanilla, chocolate and rocky-road.

37) The boys didn't want to go to the library so they were left in class.

38) "Why is there so much noise?" asked the teacher.

39) They had to get a lot of ingredients; they were going to make cookies.

40) We, at the East Primary School, are pleased to welcome you to our annual bazaar.

### **CHAPTER 6: ADVERBS and PUNCTUATION**

1) quickly      2) painfully      3) happily      4) amiably      5) slowly

6) absolutely      7) clearly      8) yesterday      9) frequently      10) inside

11) quietly – more quietly – most quietly      12) badly – worse – worst

13) early – earlier – earliest      14) much – more – most

15) softly – more softly – most softly      16) as fast as possible      17) under the desk

18) quite easily      19) with delight      20) with extra vitamins and minerals

21) beautifully      22) loudly      23) noisily      24) angrily      25) greedily

26) more cheerfully      27) comfortably      28) most kindly      29) politely

30) more heartily      31) wisely      32) dangerously      33) completely

34) graciously      35) patiently

36) My sister, Alina, is older than our brother.

37) You should eat your peas, carrots and potatoes.

38) I can't wait for my birthday.

39) "Congrats to you!" yelled everyone.

40) Max, along with his father, visited the doctor for a check-up.

### **CHAPTER 7: PREPOSITIONS and CONJUNCTIONS**

1) by, to      2) up, onto      3) towards, at      4) with, at      5) around      6) along, in

7) on      8) from, to      9) in      10) through      11) above      12) between

13) next to the mango tree      14) through the courtyard, to our class

15) through many potholes, on the road      16) to the hospital

17) through the open gate, onto the busy street      18) with our cousins

19) on our computers      20) in the field, in their classes      21) when      22) yet

23) while      24) so      25) and      26) either, or      27) but      28) and, yet

29) and      30) although

- 31) We have our weekly test on Friday so we should begin studying today.
- 32) I looked all over the house but I could not find my favourite teddy-bear.
- 33) The manager was thrilled by the plan, yet he did not approve it.
- 34) Lakshmi does not eat any meat because she is a vegetarian.
- 35) Miss Singh worked on her project until she was too tired to continue.
- 36) I like to listen to my favourite music while I do my home-work.
- 37) Both – and            38) not – but            39) Neither – nor            40) not only – but also

### CHAPTER 8: MISCELLANEOUS EXERCISE 1

- 1) daughters-in-law            2) dragonflies            3) sheep            4) bought            5) Ali
- 6) her            7) will dance            8) am thinking            9) touched            10) towards
- 11) of            12) by            13) happily            14) skilfully
- 15) quite beautifully            16) early            17) more experienced            18) saddest
- 19) most colourful            20) more difficult
- 21) A virus is a microscopic agent of infection.
- 22) According to the passage, three diseases which are spread by viruses are: the common cold, Covid-19 and Smallpox.
- 23) Scientists are uncertain about whether or not viruses are alive because a virus can only multiply inside living cells of other organisms.
- 24) Apart from those listed, three other symptoms of the common cold are: sore throat, aches or pains and vomiting. (any 3 appropriate symptoms)
- 25a) I think that air can become infected when a person with the virus sneezes or coughs without covering their mouth and nose and their saliva and snot are sprayed into the air.
- 25b) When someone, who is not sick, passes by and breathes the air, the virus gets into their noses or mouths and their bodies will become infected when the virus multiplies inside their cells.
- 26a) i) microscopic            ii) transmitted            iii) isolating
- 26b) Host cells are cells, inside of which, the virus lives and multiplies.
- 27) The author's purpose in writing this passage is to inform readers about the spread of viruses.
- 28) The poem is about a volcanic eruption.

29) There was a loud rumbling in the poet's tummy because she was very angry and about to erupt.

30a) The poet describes her tears as fiery red with yellow flares.

30b) I think that her tears would burn her face because her tears are really fiery lava running down the sides of the mountain which is meant to be her face.

31) Two lines from the poem which prove that the poet was unable to control her anger are:  
Unable to quell my rage and My anger decided to have another bout.

32) The line, "All the earth becomes my stage" means that the poet used all of the earth as if it was her own space to show off the effects of her anger.

33a) A metaphor that was used to describe the poet was: 'An angry bear I was'.

33b) i) quell – put an end to **or** stop                      ii) bout – a period of activity

34) The poet's tone is one of anger.

35) The diagram represents a calendar because it is showing the month, the year, days and dates.

36) The month of February 2020, began on a Saturday.

37) There was one more Saturday than Sunday in February 2020.

38) I think that V-Day represents Valentine's Day because it is on the 14<sup>th</sup> and Valentine's Day is celebrated on the 14<sup>th</sup> February every year.

39) The year 2020 was a leap year because there were 29 days in the month of February rather than the usual 28 days.

40a) A religious observation took place on Wednesday 26<sup>th</sup> February, 2020.

40b) The 12<sup>th</sup> March, 2020 would have been a Thursday.

### **CHAPTER 9: MISCELLANEOUS EXERCISE 2**

1) flock      2) string      3) staff      4) intelligence      5) bravery      6) erupted

7) cut      8) most beautiful      9) least      10) goes      11) were

12) knows      13) themselves, him      14) she, them      15) I      16) plays

17) Alanna loves to dance and sing.

18) Dr. Singh is a very good doctor but he does not have his own office.

19) "Please go to the office now," said the teacher.

20) Sally, can you please help me with this?



- 21) According to the passage, energy is the ability to do work or the power to sustain physical actions.
- 22) Three forms of energy mentioned in the passage are: electricity, light and heat. (electricity, gas, light, heat, nuclear)
- 23) Renewable resources are those that can be easily remade, renewed or replenished.
- 24) Clean energy is energy that does not produce by-products that are harmful to the environment.
- 25a) Three examples of fossil fuels named in the passage are: petroleum, coals and natural gas.
- 25b) Three ways in which fossil fuels have been used are: in vehicles, electrical power plants and manufacture of materials like plastics.
- 26a) i) harnessed                      ii) synthetic                      b) renewed, replenished
- 27) A suitable title for the passage is Renewable and Non-Renewable Energy or Energy.
- 28) In the first stanza, the poet wishes that she was born a fish.
- 29) The poet makes that wish because she wants to get away from her chores.
- 30) I think that “get hooked” means to be caught by humans.
- 31) In the last stanza, the word “they” in the poem refers to the poet’s parents.
- 32) The poet thinks of not being a child because she feels frustrated and confused by doing chores and following rules. OR The poet thinks of not being a child because she feels that being a child is too tiring.
- 33a) croon                      33b) wonky
- 34) The poet sometimes think her name is “No!” because her parents probably tell her “no” quite often when she is doing things that she should not be doing.
- 35) The diagram is showing an advertisement by the ACME Travel Agency.
- 36) One of the main customer influencers in the advertisement is the special tour of Dubai for four people.
- 37) The cost of travelling to the United Kingdom is \$9087 without VAT.
- 38) If I wanted to go to the USA, the final price would not be \$4598 as quoted because the advertisement says that the prices are VAT exclusive and that hotel and accommodations are charged separately.

39a) If I won the special tour of Dubai, three people and myself or four in total would be able to go.

39b) I can have the two extra persons included by paying the cost for the two of them.

40) The important bits of information missing from the advertisement would be contact information and hours of business.

### CHAPTER 10: MISCELLANEOUS EXERCISE 3

1) lioness    2) nephew    3) nun    4) honesty    5) beauty    6) eat    7) plays

8) shorter    9) best    10) lazily    11) more melodiously    12) most skilfully

13) which/that    14) which    15) anywhere    16) themselves

17) Mary likes mangoes and bananas but she does not like oranges.

18) I studied for my test while/but my best friend played games.

19) We did not leave home at three o'clock to go to the airport.

20) They were not writing stories about their summer vacations.

21) Two natural disasters mentioned in the passage are: earthquakes and volcanoes.

22) According to the passage, the difference between the impact of a natural disaster and that of global warming is: the effects of a natural disaster are usually limited to just the area where it has occurred whereas global warming affects the entire earth all at once.

23) The earth is compared to a giant greenhouse in global warming.

24a) I think that the polar regions are the areas at the top and bottom of the earth also called the North Pole and South Pole.

24b) I think that global warming is causing the ice in the polar regions to melt faster than usual.

25a) The carbon dioxide in the atmosphere comes from the burning of fossil fuels like gas and coals.

25b) Yes, I think that the carbon dioxide exhaled by humans and other animals contribute to the levels of it in the atmosphere.

25c) I think that since trees and plants use carbon dioxide to make food, the more trees and plants planted, the more carbon dioxide will be removed from the atmosphere.

26a) gradual    26b) beneficial    26c) emission

27) One way in which we can reduce the amount of carbon dioxide in the air is to use our cars less or carpool. (plant more trees and plants or use alternative forms of clean energy)

- 28a) The “wonderful smile” referred to by the poet is the sunset.
- 28b) One line from the poem to support my answer is: The evening sky painted by you. OR You sink beneath the horizon. OR To capture your majestic descent.
- 29) The line, “The evening sky painted by you” refers to the various colours seen in the sky when the sun is setting.
- 30) In the third stanza, I think that the poet is talking about people who try to capture the sunset through paintings or pictures like artists and photographers.
- 31) The poet has realized that the extent of the beauty of the sunset can only be truly appreciated when it is seen by one’s own eyes.
- 32) According to the poet, in lines 16 to 18, the sunset is a time to take a break from the troubles experienced during the day and get some rest.
- 33a) The literary device that is prominent in the poem is personification. An example of this literary device is: your wonderful smile OR the evening sky painted by you OR swallowed by the ocean OR your warm kiss OR you come out to play OR helping me through another day.
- 33b) i) hue      ii) abort
- 34) In lines 20 and 21 of the poem, the poet is talking about sunrise the next day.
- 35) Mary spends  $\frac{1}{3}$  of her day at work.
- 36) Mary spends  $\frac{1}{12}$  of her day on chores.
- 37) Mary spends two hours watching television.
- 38) Any three activities on which Mary spends  $\frac{1}{4}$  of her day are: Gym, chores, Reading OR Gym, chores, T.V. OR chores, Reading, T.V. OR Reading, T.V., Gym.
- 39) Mary should forego watching television to get more sleep because she can record any shows that she wants to see. OR Mary can forego reading to get more sleep because she can always catch up on her reading at another time. (Answer must be justifiable.)
- 40) Mary spends fourteen hours at the gym, in one week.

#### **CHAPTER 11: MISCELLANEOUS EXERCISE 4**

- 1) children      2) nieces      3) dear      4) excited      5) fiery      6) goes      7) ride
- 8) She, I      9) they      10) verb      11) extension      12) subject      13) hers      14) its
- 15) ground      16) forgot      17) Both, and      18) Either
- 19) “Why didn’t you do your home-work?” asked Miss Gosine.

- 20) Shelly packed her favourite sweater, jeans, t-shirts and sandals for the trip.
- 21) ICT means Information and Communication Technology.
- 22) I understand that hardware means the physical devices being used like laptops, iPads or cell-phones. Software means the operating systems and the internet both of which allow the devices to process information.
- 23) Three places where the use of ICT has become commonplace are: schools, banks and offices.
- 24) Three kinds of information that can be produced by ICT are: receipts, invoices and wage slips.
- 25) The biggest benefit of ICT during the pandemic is that it has provided a medium for the world to keep moving and functioning through virtual means.
- 26a) I think that loss of creativity occurs in children because they can simply tap on a button or use online platforms to look up virtually anything rather than trying to think and solve problems using their own knowledge and experiences.
- 26b) I think that this can be improved by having students do more physical activities that do not require the use of ICT. Examples of such activities are planting crops, rearing animals or even creating games.
- 27a) versatility                      27b) indiscriminately
- 28) The poem is about the poet's mom. A line from the poem to support my answer is: Mom you were our best friend.
- 29) According to the poem, her mom's love helped the poet to grow tall and bloom.
- 30) The word "us" in the poem refers to the poet and her siblings.
- 31) I think that lines 11 to 13 mean that the mother was the only one who could tell when her children were being naughty or when they were lying and pretending to be innocent.
- 32) I think that in the last stanza, the poet's mom died.
- 33) The poet did not consider her mom a friend all the time. A line from the poem to support my answer is: Even if we didn't know til the end.
- 34a) Metaphor: your love was the gentle rain OR your smile was a warm hug
- 34b) Simile: stubborn as a log
- 35) We might find the sign above at a supermarket or pharmacy or any other place of business.
- 36) The number one tip is to stay at home because when you stay at home, you will not be interacting with strangers so your chances of getting sick are very small.

37) If there is not enough space for everyone to stand six feet apart, I should leave and go back at another time when there are less people.

38) To connect virtually means to stay in touch with others through the use of computers and cell-phones. An example of this is through the use of Zoom Meetings, WhatsApp or any other platform for virtual connectivity.

39a) We should avoid handshakes and hugs to reduce body contact with others and reduce the spread of germs.

39b) An alternative to handshakes and hugs is waving.

40) I think that any person who arrives at the place in question without a mask will be denied entry into the place.

## **CHAPTER 12: MISCELLANEOUS EXERCISE 5**

1) potatoes      2) cacti      3) sons-in-law      4) girls'      5) Max's      6) swim

7) visit      8) happier      9) best      10) gracefully      11) patient      12) cut

13) I, them      14) he, he      15) inside      16) under      17) so, and      18) while

19) There were apples, bananas, grapes and oranges at the market.

20) "Hooray!" cried the happy students after the exam.

21) Mass media is any form of communication whether written, spoken or broadcast that is intended to reach a large audience.

22) Three platforms of social media mentioned in the passage are: WhatsApp, Zoom and Facebook. (WhatsApp, Zoom, Facebook and Twitter)

23a) A consumer is anyone who purchases a product or pays for a service.

23b) Consumer protection means ensuring that the rights of consumers are observed and that there is truthful information available to consumers.

24) Forums on social media help consumers by providing important information, like reviews and recommendations, about products and services.

25) "Product reviews" are opinions and views based on the experiences of people who would have purchased items or used services that are available for consumers.

26a) Information overload is the availability of too much information about a particular product or service.

26b) Information overload is problematic for consumers because they sometimes cannot distinguish whether the information is truthful and reliable or not.

27a) understatement

27b) recommendation

28) In the first stanza, Hurricane is described as one of nature's deadliest forces.

29) We, in the Caribbean, can expect Hurricane during the second half of the year because that is the wet or rainy season and hurricanes occur during that season.

30) According to the poem, thunder comes after lightning. The line from the poem to support my answer is: "Followed by his brother in thunderous form".

31a) The simile used in the poem to describe rain is: "Raindrops like hammers".

31b) The simile means that the raindrops are so big and they fall with such powerful force that they feel like being hit with hammers.

32) In the third stanza, Hurricane is compared to a gang of pirates. He is compared that way to show the destruction that he causes and to highlight how he steals people's livelihoods and even their homes.

33) I think that when Hurricane runs out of zest, his power will be reduced and he will disappear.

34a) The literary device that was used to represent Hurricane was personification.

34b) I think that Hurricane's nephews and nieces are other hurricanes that may come after.

34c) The word "havoc", in the poem, means destruction or chaos.

35) The diagram above is showing customer reviews for a pair of headphones. A line to support my answer is: "Most recent customer reviews".

36) The average star-rating for the product is four stars.

37) Only one person from the sample was very dissatisfied with the product.

38) The alternative brand that was recommended was Voice-Box.

39) Yes, I would consider purchasing the product because it has an average four-star rating and three out of four people were satisfied with the product.

40) The information in the diagram might be problematic for some people because it is difficult to know which customer should be believed or even whether they are telling the truth about the product.