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# Excel for S.E.A. - Vol. 04

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## Answer Key

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TEST 1

- 1)  $\frac{7}{10}$
- 2) 5000
- 3) 25
- 4) 140
- 5) 32
- 6) 25c, 10c, 10c
- 7) \$2000
- 8) 8568
- 9)  $\frac{1}{6}$
- 10) 579+ 688
- 11) 126 cm<sup>2</sup>
- 12) 4000÷250= 16 pks
- 13) Wed 3rd
- 14) 4300ml
- 15) 4 faces+4 vertices=8
- 16) 4 right angles
- 17) C
- 18) ###, 5  
5+9+11+7=3= 35÷5=7 Ans =7

- 20)  $\frac{3}{5} = 15$   
 $\frac{1}{5} = \frac{15}{3} = 5$   
5×5=25  
25-15 =10 boys
- 21) x+3x=72  
4x= 72  
x =72÷4= 18  
Father -18×3=54 years  
Jerry 18 years
- 22)  $\frac{1}{3} \times \frac{290}{1} = 90$   
270-90= 180
- 23)  $\frac{2480}{40} = 62$   
 $\frac{62}{12} = 5 \frac{2}{12}$   
6 (12 seaters)

24)  $7 \frac{3}{4} m = 775 cm$

$\frac{775}{25} = 31 bows$

25) You start comparing the ones digit first because it has the largest value, then the tenths then the hundredths.

- 26)  $\frac{2}{3}, \frac{5}{12}, \frac{1}{4}$   
 $\frac{2}{3} = \frac{8}{12}$   
 $\frac{5}{12} = \frac{5}{12}$   
 $\frac{1}{4} = \frac{3}{12}$   
Largest = 2/3  
Shortest = 1/4  
Difference  $\frac{2}{3} - \frac{1}{4} = \frac{5}{12}$

27) Jason and Marcos ate equivalent parts of their sandwiches.

Marian

--	--	--

Jason

--	--	--	--

Marcos

--	--	--	--	--	--

28) 5:25

29) Troy will not have enough ribbon because perimeter of a square is equal to side  $\times$  4 ( $12 \text{ m} \times 4$ ) = 48m and he only has 36 m

30)  $\frac{1}{8} \times 1000 = 125$

$4000 - 500 = 3500$

$\frac{3500}{125} = 28 \text{ girls}$

31) Ian = 32.6 kg

Tina =  $32.6 \text{ kg} + 16.5 \text{ kg} = 49.1 \text{ kg}$

Jenny =  $49.1 - 4.8 = 44.3 \text{ kg}$

Ans =  $32.6 \text{ kg} + 49.1 \text{ kg} + 44.3 \text{ kg} = 126 \text{ kg}$

32)  $21 + 24 = \$45$

33)  $\$45 \times 2 = \$90$

34) Area of park  $24 \times 18 = 432 \text{ m}^2$

Area of park =  $18 \times 9 = 162 \text{ m}^2$

Area of lawn =  $432 - 162 = 270 \text{ m}^2$

35) 36 tiles

36) Ted's shape has 1 line of symmetry/ All sides are not equal

Riad's shape has 4 lines of symmetry/ All sides are equal

Ted's shape has no right angles

Riad's shape has 4 right angles

37) B and D are similar. They both have 2 lines of symmetry.

38) No, she is not correct. Mode represents the number that appears the most often and the number 40 appears most frequently

39)  $20 + 28 + 22 + 30 = 100$

$\frac{20}{100} \times 100 = 20\%$

40) Simon 18

41) Extra =  $3 \times \$4.00 = \$12.00$

Remainder =  $\$52 - \$12 = \$40.00$

$\$40.00$  to be divided by  $(\$6.00 + \$4.00)$

$\$40.00 \div \$10.00 = 4$  items each

4 planks

$4 \text{ nails} + 3 \text{ extra nails} = 7$

42) No. of students who sold 2 cakes or less

$(80 + 20) = 120$

$\frac{3}{4}$  of students = 120

$\frac{1}{4} = \frac{120}{3} = 40$

Total no of students

$= 40 \times 4 = 160$

No of students who didn't sell

$(40 + 80 + 20 + 14) = 154$

$160 - 154 = 6$

43) P of sq =  $6 \times 4 = 24$

P of rect =  $24 \div 2 = 12$

What two no will= 12 (8+4)

$$\text{Rect} = (L+B) \times 2$$

$$(8+4) \times 2$$

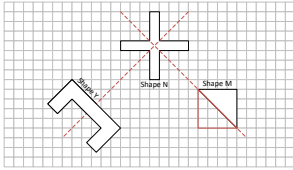
$$=24$$

$$\text{Area of sq} = 6 \times 6 = 36 \text{ cm}^2$$

$$\text{Area of rect} = 8 \times 4 = 32 \text{ cm}^2$$

$$36 - 32 = 4 \text{ cm}^2$$

44)



45) Total points in 3 rd throw = 70+50+30=150

$$\text{Mean before 4 th throw} = 150 \div 3 = 50$$

$$\text{Mean after 4 th throw} = 50 + 8 = 58$$

$$\text{Total points} = 58 \times 4 = 232$$

$$\text{Points in 4}^{\text{th}} \text{ throw} = 232 - 150 = 82 \text{ points}$$

## TEST 2

- |                                    |   |                                     |
|------------------------------------|---|-------------------------------------|
| 1) 304 814 m                       | 12) $20 \times 8 = 160 \text{ g}$               | $30 \times 18 = 540$                |
| 2) \$8, \$4, \$12, \$16            | $20 \times 3 = 60 \text{ grams}$                | $720 - 540 = 180$                   |
| 3) $9 \frac{4}{5}$                 | $160 - 60 = 100 \text{ g}$                      | $180 \div 18 = 10 \text{ bags}$     |
| 4) 75                              | 13) $2 \frac{1}{2} \text{ hrs}$                 | 23) $5696 + 894 = 4802$             |
| 5) \$200.00                        | 14) $270^\circ$                                 | $4802 + 196 = 4998$                 |
| 6) 25                              | 15) $8500 \div 250 = 34 \text{ cups}$           | 24) $\frac{26.32}{8} = \$3.29$      |
| 7) $840 \div 6 = \$140$            | 16) $3 \times 6 \times 10.5 = 189 \text{ cm}^3$ | $1 = \$3.29$                        |
| 8) Men=11                          | 17) 6   | $3 = \$3.29 \times 3 = \$9.87$      |
| Women=22                           | 18) 7   | 25) $\$4830 + \$4830 = \$9660$      |
| $11 + 22 = 33$                     | 19) $15 + 35 + 8 + 25 + 12 = 95$                | $9660 \div 6 = \$1610$              |
| Children = $48 - 33 = 15$          | $95 \div 5 = 19$                                | 26) $5 + 7 = 12$                    |
| 9) \$115.85                        | 20) _____                                       | $180 \div 12 = 15 \text{ bouquets}$ |
| 10) $\frac{11}{5} = 2 \frac{1}{5}$ | 21) $\frac{3}{12} = \frac{2}{8}$                |                                     |
| 11) $3 \frac{1}{2} \text{ cm}$     | 22) $30 \times 24 = 720$                        |                                     |

27)  $\frac{25}{100} \text{ of } 120 = 30$

$$\text{Remainder} = 120 - 30 = 90$$

$$\text{Brother} = 0.2 \text{ of the remainder}$$

$$\frac{2}{10} \text{ of } 90 = 18$$

$$\text{Total give away} = 30 + 18 = 48$$

120- 48 = 72 Shane remain with

28) 55 mins

29) Myra is correct. To find the perimeter of a square

You multiply  $S \times 4 = 6 \times 4 = 24$  which is correct.

Joy found the area of the square.

She multiply side by side

30) S.I =  $\$6000 \times 2 \times \frac{10}{100} = \$1200$

$1200 + 6000 = \$7200$

Monthly instalments =  $7200 \div 24 = \$300$

31) No, it is wrong. When the denominators are different you have to find the L.C.M .or change one denominator into the other forming an equivalent fraction.

$$\frac{1}{3} = \frac{4}{12}$$

$$\frac{4}{12} + \frac{1}{12} = \frac{5}{12}$$

32)  $\frac{2}{3} - \frac{1}{2} = \frac{1}{6}$

$$\frac{1}{6} = 20 \text{ l}$$

$$6 \times 20 = 120 \text{ l}$$

33) Area of room =  $18 \times 6 = 108 \text{ m}^2$

$$\frac{3}{4} \text{ of } 108 = 51 \text{ m}$$

$$51 \times \$20 = \$1020.00$$

34) Cost \$480

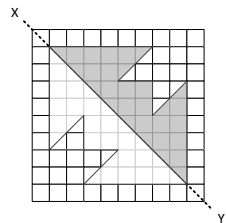
Save already  $30 \times 4 = \$120$

$$480 - 120 = 360$$

$$360 \div 30 = 12 \text{ weeks}$$

35) cd

36)



37) Both of them are incorrect. It is an obtuse angle. It has more than  $90^\circ$  but less than  $180^\circ$

38) Row F, Column 2

39) Turn 1 Isabella North

Turn 2 Joy East

Turn 3 Isabella South

40) No, the modal toy would not change.

The modal is the most popular toy or the one that is sold the most.

When 4 is added to 16 you will get 20 which is the same as board game.

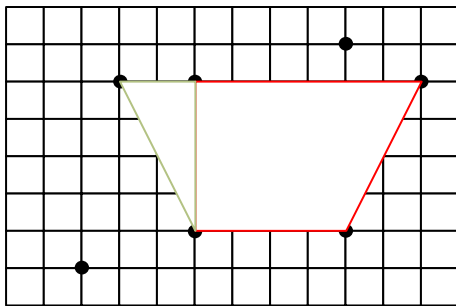
The number 20 appears twice but it does not mean it is the mode.

- 41) Towels = \$12  
Sheet = \$24  
5 extra towels =  $5 \times 12 = \$60$   
 $\$384 - 60 = \$324$  remain  
Sheet 2 times the cost of towels  $324 \div 3 = 108$   
Sheet =  $108 \times 2 = 216$   
Towels =  $108 + 60 = 168 \div 12 = 14$  towels  
Sheet  $216 \div 24 = 9$  sheet

- 42) 8 to 4 = 8 hrs  
 $50 \times 8 = \$400$   
 $\$625 - \$400 = 225$   
 $225 \div 75 = 3$  hrs

- 43) Size =  $20 \times 20 = 400$   
Floor =  $120\,000 \div 400 = 300$  tiles  
No of box =  $300 \div 30 = 10$   
Cost =  $\$60 \times 10 = \$600$

44)



- 45) Pablo = 260  
Mateo = 130  
Samantha = 275  
Raul = 215

TEST 3

- 1) Fifty six thousand, two hundred and seventy eight
- 2) 8000
- 3) >
- 4)  $\frac{5}{8}$
- 5)  $\frac{4}{5} \times \frac{2}{2} = \frac{8}{10} = 0.8$
- 6) 3.2 Rule double the number
- 7)  $\$10.00 \div \$1.25 = \$8 \times 3 = 24$  cups
- 8)  $\frac{225}{500} \times 100 = 45\%$
- 9)  $\frac{225}{9} = 25$  hrs
- 10)  $\$18.75 + \$4.95 = \$23.70$
- 11)  $18 \times 4 = 72$  m<sup>2</sup>
- 12)  $1800 - 1460 = 340$ g
- 13) 8:45. Long hand on 9 short hand between 8 and 9
- 14)  $12 \times 4 = 48 \div 2 = 24$  posts
- 15) Each cube  $= 3 \times 3 \times 3 = 27$   
 Solid  $= 4 \times 3 \times 2 = 24$  cubes  
 Volume  $= 27 \times 24 = 648$  cm<sup>3</sup>
- 16) D
- 17) 3 LINES
- 18)  $6 + 8 + 12 = 26$  fixed
- 19)  $\textcircled{1} \textcircled{1} \textcircled{1}$
- 20)  $75 \div 3 = 25$  sheets
- 21)  $\frac{1}{3} + \frac{3}{8} = \frac{17}{24}$
- $\frac{24}{24} - \frac{17}{24} = \frac{7}{24}$
- $\frac{7}{24} \times 48 = 14$  narbles
- 22) 9 ball cost \$24.30  
 1 ball  $\frac{24.30}{9} = \$2.70$   
 $\$43.20 \div 2.70 = 16$  balls
- 23) (3pens)  $= 6x + 4x = 10x$   
 $\frac{80}{10} = \$8$   
 $4 \times 8 = \$32$   
 3 pens  $= 6 \times 8 = \$48$
- 24) Kelly  $-\$5.00 = 5 \times 4 \times 2 = \$40.00$   
 Leon  $-\$4.00 = 4 \times 2 \times 5 = \$40.00$   
 Yes, it makes sense although their rates  
 are different. Their duration and time adds up to the



same total.

25) C.P=\$3.20

S.P =12 ÷2 =6

65 × 6= \$.390

Profit 3.90÷3.20 = 70 cents

Profit =3 dozen =70×3 = \$2.10

26) 250-175 =175

$$\frac{175}{250} \times 100 = 70\%$$

27)  $\frac{1}{4}l = 250 \text{ ml}$

6 packs = 250 ×6 = 1500 cm<sup>3</sup>

28) Henry is incorrect. 0.75 is equal to 75%

Andrew scored 80% which is more than 70%

29) Large tray = 10 cookies

Small tray =8 cookies

10 +8 = 18 cookies each time for 1 set

$$\frac{72}{18} = 4 \text{ times}$$

30) 2.3 m +1.8 m=4.1 m per outfit

5 girls 4.1 ×5 =20.5 m

21 m

31)  $20\,000 \times 5 \times \frac{10}{100} = \$10\,000$

\$20 000 + \$10 000= \$30 000

Instalments = \$30 000÷60 = \$500

32) A square has more sides. A square has 4 sides, so 5 ×4 = 20 sides

A Triangle has 3 sides. 6×3=18 sides

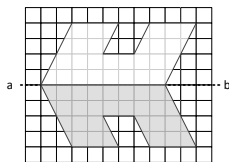
33) Apples 9×2 =18

9+18 =27

Pears =36-27 =9

$$\frac{9}{36} \times 100 = 25\%$$

34)



35) Fred is correct. A prism has a uniform cross section which is A

B does not have a uniform cross section.

36) 90+48 = 138

360- 138 =222

222÷3 = 74°

37) \_\_\_\_\_

38) It is different from the others because it doesn't have a tally of 5

39)  $\frac{9}{36} \times 100 = 25\%$

40) Increase the difference by 1,  $46+7=53$

$$53+8=61, 61+9=70, 70+10=80$$

5 week = 70 cars sold

6 week 80 cars sold

41) 2018 Jennifer Clara

Shivani

Born in 1994

$$2018 - 1994 = 24 \text{ years}$$

4 years older

than Shivani

$$= 24 + 4 = 28 \text{ years}$$

Twice Clara's age

$$28 \times 2 = 56 \text{ years}$$

The age of Jennifer =  $2018 - 56 \text{ years} = 1962$  is the year Jennifer was born

42)

Paul	Charlie	Joseph
$20 + 15 + x$	$15 + x$	$x$

$$\text{Remainder} = 80 - (35 + 15) = 30 \text{ points}$$

$$\text{Share 30 points among Paul, Charlie, Joseph} = 30 \div 3 = 10 \text{ points}$$

$$\text{Charlie has } 15 + 10 \text{ points} = 25 \text{ points}$$

43) Area of room =  $18 \times 18 = 324 \text{ m}^2$

$$\text{A station} = 196$$

$$324 - 196 = 128 \div 0.8 = 160 \text{ tiles}$$

44) i) 16

ii) \_\_\_\_\_

45) 1 st quarter = 12

$$2 \text{ nd quarter} = 24$$

$$3 \text{ rd quarter} = 24 \div 3 = 8$$

$$12 + 24 + 8 = 44$$

$$70 - 44 = 26 \text{ to win they need } 27$$

#### TEST 4

1) 800 000

2) 13, 7, 5, 2

3)  $(1 \times 10) + (8 \times 1) + (3 \times \frac{1}{10}) + (9 \times \frac{1}{100})$

4)  $5 \frac{1}{2} = \frac{11}{2}$

$$\frac{11}{2} \times \frac{8}{1} = 44 \text{ slices}$$

5)  $4 \times 2 = 8 / 72 \div 9$

6) 22.5 (minus 1.6)

7)  $25 \times 12 = 300$

$$300 + 10 = 310$$

- 8) \$8.75  
 9)  $\$8.10 \div 3 = \$2.70$

$$\$9.50 \div 5 = \$1.90$$

- 10)  $48 \div 12 = 4$   
 11) 20 mins  
 12)  $60 \div 5 = 12\text{m}$   
 13)  $\frac{3}{5} \times 12 = 7\frac{1}{5}l$   
     *or 7.2 l*  
 14)  $1400 - 1325 = 75\text{ g}$   
 15)  $9 \times 9 \times 9 = 729\text{ cm}^3$  Type equation here.  
 16) Triangular based pyramid  
 17) \_\_\_\_\_  
 18) Total  $60 \div 5 = 12$   
 19) 15 students  
 20) 18

### ### ### ### |

21)  $\frac{5}{6} = \$25$

$$\frac{1}{6} = \frac{25}{5} = \$5$$

$$5 \times 6 = \$30$$

- 22)  $8 \times 13 \times 3 = 312$   
 23)

9	10	5
4	8	12
11	6	7

- 24)  $\$4128.00 + \$4128.00.$   
     \$8256  
 25) Total dresses = 250 dresses  
     25 sunflower patterns + 55 cherry points = 80 dresses  
     Remainder =  $250 - 80 = 170$  dresses  
 26) Tree 25 m  
      $6\text{m} - 1\text{m} = 5\text{ m}$   
      $5 \times 3 = 15\text{ m}$   
 27) \$680  
 28)  $\frac{65}{100} \times 360 = 234$   
      $234 \times \$15 = \$ 3510.00$   
 29) % of boys = 45%  
     % of girls =  $(100 - 45) = 55\%$   
      $\frac{60}{100}$  of 55 = 33%

*% of students participated =*

$$45\% + 33\% = 78\%$$

- 30) The products are the same because multiplication is commutative. No matter what order you put your numbers the products will be the same.
- 31) Perimeter of a square is side  $\times 4$  ( $5 \times 4$ ) = 20 m  
So he has 30 m of ribbon which would be more than enough
- 32)  $8000 - 6380 = 1620$  grams
- 33) Janet Reg hours  $\$30 \times 8 = \$240$   
2 hours double  $\$60 \times 2 = \$120$   
 $(120 + 240) = \$360$   
Shane =  $\$40 \times 8 = \$320$   
1 hour double =  $\$80$   
 $(320 + 80) = \$400$   
Shane was paid more
- 34)  $6 \times 4 = 24 \text{ m}^2$
- 35) C, F
- 36) \_\_\_\_\_
- 37) obtuse
- 38) She is incorrect. It is a prism.  
It has a uniform cross section.
- 39) 5:10
- 40) You have to add  $\$16.50$  and  $\$18.20$ . You will get  $\$34.70$   
Then subtract  $\$34.70$  from  $\$50.75$   
 $\$16.50 + \$18.20 = \$34.70$  ( $\$50.75 - \$34.70$ )
- 41) Paula =  $\frac{1}{3}$   
Jenny  $\frac{3}{8} \times \frac{2}{3} = \frac{1}{4}$   
Tina =  $1 - (\frac{1}{3} + \frac{1}{4}) = \frac{7}{12}$   
Tina =  $\frac{12}{12} - \frac{7}{12} = \frac{5}{12}$   
Tina - Paula = 60  
 $\frac{5}{12} - \frac{1}{3} = \frac{1}{12}$   
 $\frac{1}{12} = 60$   
 $12 \times 60 = 720$
- 42) Judy                  Harry                  Christopher
- |             |    |    |         |
|-------------|----|----|---------|
| Extra Total | 50 |    | 50 + 20 |
|             |    | 50 | 70      |
- Remainder =  $300 - (50 + 70) = 180$  points  
Share 180 points among Judy, Harry, Christopher =  $180 \div 3 = 60$  points
- 43) i)  $180^\circ$
- ii) 5

44)  $10 \times 5 = 50$

45) i) 25%

ii) A bar graph is important because it is an effective way to compare items between different groups. It is visual to use in presentations and reports. They are popular because they allow the reader to recognize patterns or trends far more easily than looking at a table of numerical data.

TEST 5

1) 4

2) 1.45, 1.4, 0.8

3) 19

4) 16, 25, 36, 49, 100

5) 40%

6)  $86 - 59 = 27$

$27 \times 2 = 54$

7)  $\frac{20}{50} \times 100 = 40\%$

8) \$400



10)  $\$150 \times 6 = \$900$

11)  $16 \times 8 = 128\text{m}^2$

12) 1:45 long hand on 9

Short hand on 1

13)  $3\frac{1}{2} = \text{cups} = 3.5 \text{ cups}$

$3.5 \times 7 = 24.5 \text{ cups or } 24\frac{1}{2}$

14)  $108 \div 9 = 12 \text{ m}$

15) 5 vertices and 5 faces = 10

16) cone

17)  $51 \div 3 = 17 \text{ cm}$

18)  $40 + 26 = 66 \div 2 = 33$

$28 + \underline{\quad} = 66$

$66 - 28 = 38$

19) 15 children

20)  $10 + 8 + 5 = 23$

$32 - 23 = 9 \text{ Anil}$

26) No, he is not correct. 3m and 2 cm is equal to 302 cm.

So 32 cm and 302cm is not the same.

27) No, he is not correct. His profit is \$140.

He forgot to minus the \$60

$\$200 - \$60 = \$140$

C.P 10kg = \$60

21)  $\frac{3}{5} = 24$

$\frac{1}{5} = \frac{24}{3} = 8$

$8 \times 5 = 40$

Altogether they have  $40 + 24 = 64$

22)  $\_ \times 2\frac{1}{3} = 7$

$7 \div 2\frac{1}{3}$

$7 \times \frac{3}{7} = 3$

23) 3 nos = 240

1<sup>st</sup> = x

2<sup>nd</sup> = 2x

3<sup>rd</sup> = 3x

Total  $6x = 240 \div 6 = 40$

1<sup>st</sup> no = 40

2<sup>nd</sup> no =  $40 \times 2 = 80$

3<sup>rd</sup> no =  $40 \times 3 = 120$

24)  $12 + 24 = 36$

$216 \div 36 = 6$

25)  $\frac{85}{100} \times 280 = 238$

$238 \times 12 = \$2856$

$$\frac{10\,000}{250} = 40 \text{ pks}$$

$$40 \times 5 = \$200$$

- 28) Ariel =  $x + 8 + 5$  ans (23)  
 Rhea =  $x + 5$  ans (15)  
 Shane =  $x$  ans (10)  
 $3x + 18 = 48$   
 Remove the extras  $48 - 18 (5+5+18) = 30$   
 Share 30 equally now/  $30 \div 3 = 10$  /  
 $x = 10$
- 29) Mike is correct. When you are dividing a decimal fraction by 100 you shift the point 2 places to the left. So  $26.4 \div 100 = 0.264$ . When you divide 26.4 by 10, the answer is 2.64
- 30) S.I  $24\,000 \times 5 \times \frac{2}{100} = \$24\,000$   
 $\$2400 + \$24\,000 = \$26400 \div 24$   
 $= \$1100.00$
- 31) Perimeter of room =  $(25+15) \times 2 = 80$   
 $(15+10) \times 2 = 50 \times 2 = 100\text{m}$   
 $180\text{m} \times \$1.50 = \$270$
- 32) 78 cm
- 33) \$720
- 34)  $40 \times \$12 = \$\$80$   
 Extra hours =  $\$20 \times 8\text{hrs} = \$160$   
 Saturday  $\$18 \times 4 \text{ hrs} = \$72$   
 Total \$712.00
- 35) 9 cm by 4 cm
- 36) \_\_\_\_\_
- 37) 0.04
- 38)  $80+75+86+90 = 331$   
 $5 \times 84 = 420$   
 $420 - 331 = 89$
- 39)  $2 \times 8 = 16$   
 $5 \times 5 = 25$   
 $2 \times 3 = 6$   
 $41 + 6 = 47$
- 40) They are both multiplication.  
 Sequence 1 is multiplying by 4  
 Sequence 2 multiplying by 12  
 ii) 60
- 41) Extra =  $\$5.00 \times 5 = \$25.00$   
 Remainder =  $\$115 - \$25 = \$90.00$   
 $\$90.00$  to be divided by  $(\$5.00 + \$10.00)$   
 $\$90 \div \$15 = 6$  items each  
 6 pots

6 bags of potting soil + 5 extra bags = 11 bags

- 42) Mango Salsa =  $\$5 \times 5 = \$25.00$   
 Remainder =  $\$75 - \$25 = \$50.00$   
 Tacos =  $\$4.00 \times 7 = \$28.00$   
 Nachos =  $\$11.00 \times 2 = \$22.00$   
 Total =  $\$28 + \$22 + \$25 = \$75.00$

- 43) i)  $2+4=6$   
 $6 + 6 = 12$   
 $12 + 8 = 20$   
 $20 + 10 = 30$   
 $30 + 12 = 42$   
 $42 + 14 = 56$   
 $56 + 16 = 72$   
 ii)  $72 + 18 = 90$

- 44) right angled triangle, rhombus,  
 trapezium  
 equilateral triangle

- 45)  $275+310+165=750$   
 $750 \div 3 = 250$   
 $275 - 250 = 25$   
 $310 - 250 = 60$   
 $25 + 60 = 85$   
 $85 + 165 = 250$

## TEST 6

- |   |   |
|---|---|
| 1) 80 934, 43 784, 30 234, 25 764   | 12) 5 cm  |
| 2) Odd (3)  | 13) Draw a hand between 4 and 5   |
| 3) 0.12, 0.21, 1.02, 1.2  | 14) $54 - 40 = 14$ cm   |
| 4) $\$37.50$  | 15) $30 \times 5 = 150^\circ$   |
| 5) $\frac{1}{4}$  | 16) Line AE   |
| 6) $\$7.50$   | 17) $60^\circ$  |
| 7) $\$3650 - \$65 = \$3585$   | 18) $30 + 20 = 50 \div 2 = 25$<br>$23 + \underline{\quad} = 50$<br>$50 - 23 = 27$ |
| 8) $S=12, L=12, H= 24 \times 2 = 48$<br>$12 + 12 + 48 = 72$                                     | 19) 60  |
| 9) $\$10$   | 20) Basketball  |
| 10) $3\frac{1}{2} \div 2 = 1\frac{3}{4}$ cups   |   |
| 11) 7:50  |   |
| 21) Chris $\$27.34$<br>Dave $\$27.34 + \$9.83 = \$37.17$<br>Allan $\$37.17 \times 4 = \$148.68$ |   |
| 22) 11%   |   |
| 23) 90 hits   |   |
| 24) $22 \times 18 = 396$  |   |

Extra=  $468-396= 72$

$72 \div 18= 4$  rows

25)

Savy	Paul	Andy
$10+x$	$x$	$25+10 +x$

Extra Total =  $\$10 + \$35 = \$45.00$

Remainder =  $\$105 - \$45 = \$60.00$

Share  $\$60.00$  among Savy, Paul, Andy =  $60 \div 3 = \$20.00$

Andy has  $\$25 + \$10 +\$20 = \$55.00$

26) 8, 18, 21= 47

27) Mike is correct. To find the mean you have to find the total of all the scores.

Then you take the total and divide by the number of score.

Mike total was  $264 \div 3=88$  mean

Fred total was  $243 \div 3=81$  mean

Mike is correct. He has the higher mean

28) Earned  $\$24.50$

Earned  $\$11.50$ .

Total  $\$36.00$

Spent  $\$ 8.25$

Left :  $\$36.00-\$8.25= \$27.75$

Under  $36.00- 27.75= \$2.25$

29) Alice is correct. When you multiplying a decimal fraction by 1000, you shift the point 3 places to the left and add zeros as place holders.

30) P of square = 36 cm

P of rect = 30 cm

$$\frac{30}{36} = \frac{5}{6}$$

31) Area of garden =  $18 \times 9= 162 \text{ m}^2$

Area of pathway  $20 \times 11= 220\text{m}^2$

$220-162=58\text{m}^2$

32) Add 4 ( $13+4=17$ ) ( $17+4 =21$ ) ( $21+4 =25$ )

( $25+4= 29$ )

33) She is wrong. She has to multiply the length by the breadth or width to find the area of the base. She is multiplying the height by the length which is wrong.

34)  $5000 \div 150 = 66$  children

35) Square based pyramid

5 faces

8 edges

36) A,E,C

37) A is an equilateral triangle.

It has 3 acute angles

B is a right angled triangle



It has one right angle and 2 acute angle

38) A24 tiles

39) 300 Toyota cars

40)  $56 \times 3 = 168$

$$56 + 7 = 63$$

$$63 \times 4 = 252$$

$$252 - 168 = 84$$

41) Extra =  $\$20.00 \times 5 = \$100.00$

$$\text{Remainder} = \$460 - \$100 = \$360.00$$

$\$360.00$  to be divided by  $(\$10.00 + \$20.00)$

$$\$360 \div \$30 = 12 \text{ items each}$$

$$\text{Fish} = 12$$

$$\text{Shrimp} = 12 + 5 = 17 \text{ kg of shrimp}$$

42)  $90 \times 75 = 6750 \text{ cm}$

$$9 \times 15 = 135$$

$$6750 \div 135 = 50 \text{ cards}$$

$$50 \times \$10 = \$500$$

$$\$2500 \div 500 = 5 \text{ sheets}$$

43) Drinks =  $\$5.00 \times 6 = \$30.00$

$$\text{Remainder} = \$155 - \$30 = \$125.00$$

$$\text{BBQ Chicken Sandwich} = \$15 \times 3 = \$45.00$$

$$\text{BBQ Lamb Platter} = \$20 \times 4 = \$80.00$$

$$\text{Total} = \$30 + \$45 + \$80 = \$155.00$$

44)  $370 + 435 + 215 = 1020$

$$1020 \div 3 = 340$$

$$370 - 340 = 30$$

$$435 - 340 = 95$$

$$30 + 95 = 125$$

$$125 + 215 = 340$$

45) 1st to 3<sup>rd</sup> = 24 cm

28 spaces

$$24 - 12 = 12$$

$$12 \div 2 = 6 \text{ cm (size of space)}$$

$$3 \text{ to } 16 = 13 \text{ spaces}$$

$$13 \times 6 = 78 \text{ cm}$$

TEST 1

- |                 |                 |                 |
|-----------------|-----------------|-----------------|
| 1) Caribbean    | 7) out!         | 13) Darkness    |
| 2) diverse      | 8) law's        | 14) flock       |
| 3) destinations | 9) ingredients: | 15) They        |
| 4) activities   | 10) cake.       | 16) threatening |
| 5) affordable   | 11) ok?         | 17) which       |
| 6) isle         | 12) My          | 18) its         |
- 19) i) Two ways they are different are the way they fly  
 ii) They have long beaks or bills
- 20) It pokes its long bill into the flower and uses its long tongue to sip nectar.
- 21) Their rapidly beating wings make a humming noise which gives hummingbirds their name.
- 22) i) fast  
 ii) moving or travelling from place to place
- 23) Three ways a humming bird can fly are:  
 i) fly backwards  
 ii) side to side  
 iii) straight up and down, and even upside-down!
- 24) Flowers need pollen from other flowers to make seeds.
- 25) It means because the hummingbird go from flower to flower often and it helps flowers make seeds by carrying their pollen to other flowers therefore it is considered an excellent pollinator.
- 26) A hummingbird needs even more energy when it's migrating—traveling between the places where it raises its young and the place where it spends winter
- 27) Ruby-throated hummingbirds ,the rufous, magnificent, and calliope hummingbirds
- 28) To show how Hummingbirds are unique fliers which pollinate flowers and migrate.
- 29) Two crops the poet grows are coconut, yam, Gro Michel, Lacatan ( kind of fig)
- 30) He transported his crops down the hill by using his dainty-foot donkey.
- 31) He reared animals as well as he planted crops on the same land
- 32) i)Where mullets and janga swim in the pool  
 ii)I have ten acres of mountain side  
 iii) And a dainty-foot donkey that I ride
- 33) i) dainty means - delicate, petite  
 ii) property means – something that belongs to someone
- 34) Yes, I would describe him as hard working because he said he cut the stems which meant he reaped his crops he loaded them on the donkey, and leave the land and took them to town to sell
- 35) He went down to the harbour side where he will spend his money and see the tourists when they come to visit. He went there to show them although he is a local he had money just like them.
- 36) Mood – Pride  
 Example - I will live and die a banana man.
- 37) The line is repeated for emphasis and to show he is grateful for all his blessing that God had given him. .i.e. his mountain, his animals and his successful banana business.
- 38) i) He is hard working Yes, I would describe him as hard working because he said he cut the stems which meant he reaped his crops he loaded them on the donkey, and leave the land and took them to town to sell  
 ii) He was a proud man/ That, by God and this big right hand  
 Is the property of a banana man or  
 I will live and die a banana man

- 39) It means it is something precious or valuable and it has been in the family for 100 years.  
 40) Handsome Reward offered!  
 41) i) It was last seen 2 months ago  
     ii) It will have engraved on it "Heirloom of the family for 100 years"  
 42) i) engraved - carved, etched, inscribed  
     ii) invaluable – important, precious, priceless, rare  
 43) Contact Daisy Miller at 718-9145 or millerfamily@email.com

## TEST 2

- |                |   |               |
|----------------|---|---------------|
| 1) preparation | 7) adventures? <b>Error in bk no full</b> | 13) most      |
| 2) hall        | <b>stop</b>                               | 14) It's      |
| 3) aisle       | 8) Annandale                              | 15) races     |
| 4) altar       | 9) you're                                 | 16) religious |
| 5) priest      | 10) If                                    | 17) surprised |
| 6) assiduous   | 11) following:                            | 18) by        |
|                | 12) Seven                                 |               |
- 19) Pirates have been glorified in movies today making them into the heroes of the story.  
 20) The line tells that the pirates went out in the open sea and stole, killed and took anything they could from any merchant ships they wanted  
 21) Teach was allowed by Queen Anne to attack ships that were enemies of Britain.  
 22) After pillaging many French and Spanish ships during the war, Edward Teach became a skillful sea robber  
     When he first left the privateering life, he first joined a group of fierce Caribbean pirates; where he became enchanted with the life of piracy.  
 23) He added fear by growing his beard and hair so that when anyone laid eyes upon him, dread came upon them instantly.  
 24) i) pillaging - stealing  
     ii) Conquer - win  
     iii) acquired - obtain, gain  
 25) He became excited with the life of becoming a pirate  
 26) History remembers Blackbeard as a fearsome and legendary pirate.  
 27) Edward Teach was a skillful and fearsome sea robber. He terrified crew by thievery on the open seas. He spread his reign of terror throughout the Atlantic Ocean and the Caribbean Sea.  
 28) For two years Blackbeard his rule throughout the Atlantic Ocean and the Caribbean Sea until his power was taken away from him by Lieutenant Robert Maynard who later beheaded Blackbeard and won the battle.  
 29) Two phrases that appeal to the sense of sight are I see him jump before me, when I jump into my bed, is the way he likes to grow, before the sun was up  
 30) Notion -idea  
 31) He doesn't realize that it is his shadow. He thinks it is someone else.  
 32) Personifications – I see him jump before me, He stays so close beside me, he's a coward you can see  
 33) The two lines show opposite  
 34) simile For he sometimes shoots up taller like an Indian-rubber ball  
 35) Mood funny  
     Example - The funniest thing about him is the way he likes to grow  
 36) Not at all like proper children, which is always very slow;  
     He hasn't got a notion of how children ought to play,

- 37) He stays so close beside me, he's a coward you can see;  
I'd think shame to stick to nursie as that shadow sticks to me!
- 38) He got up early but he didn't see his shadow with him. So he thought that  
it was home sleeping on the bed. He didn't realize that his shadow will only  
follow him when the sun is up
- 39) i) Summer Express family Cruise  
ii)
- 40) 9:30 a.m. July 2019  
Casino, rumba, cinema, waterpark
- 41) Destination - the place to which somebody or something is going or must go  
Discounted - reduced price or something being sold at a price lower than that which it is normally sold for
- 42) Free response. Cinema because I like to watch movies.  
Rumba because I like to exercise
- 43) Free response -To have some family time  
To relax and have fun after working hard  
To have a family reunion

### TEST 3

- |                  |                |
|------------------|----------------|
| 1) attraction    | 10) shouted,   |
| 2) powerful      | 11) Ashley     |
| 3) height        | 12) Following: |
| 4) fearsome      | 13) likes      |
| 5) rugged        | 14) frequently |
| 6) higher        | 15) their      |
| 7) "Wow"         | 16) until      |
| 8) sister-in-law | 17) did        |
| 9) dream.        | 18) off        |
- 19) i) The first Olympic Games were held in Greece.  
ii) It was made to honour Zeus who was the god of the sky and the leader of the Greek gods
- 20) The Greek men ran races to keep fit for the intensity of war
- 21) There was only one winner and he was given a wreath of olive leaves as a prize. . These olive leaves were taken from a  
sacred tree
- 22) i) sacred – holy, blessed  
ii) bestowed - given, granted, presented
- 23) The olive leaves considered sacred because they were taken from a sacred tree that was located at Olympia behind the  
temple dedicated to Zeus.
- 24) i) the games were part of a religious festival to honour Zeus.  
ii) the games were held to unite the lands of Greece
- 25) i) splendor –magnificence  
ii) It is held every four years.
- 26) The ceremonial lighting of the Olympic Torch; which burns throughout the entirety of the games.
- 27) The flag with five varying coloured circles of yellow, green, blue, black and red are the representation of the unity of five  
areas around the world
- 28) How the winners of the competitions are honoured
- 29) Mood - Unhappiness/sadness

Example - my parents completely ignore me

- 30) i) Giggles or gurgles/  
ii) burped/ screams

31)

Persons in the Poem	Feelings	Details from the Poem
parents	happy	"Oh, isn't she precious!" they croon
poet	sad	they scarcely remember my name.

32) i) sight

ii) they think she looks like an angel,  
I think she resembles a prune.

33) They seem to believe she's a treasure,

- 34) i) she looks like an angel  
ii) she resembles a prune.

35) i) scarcely - hardly

ii) delight - happy

36) It tells that the poet is jealous and doesn't like the baby. New born babies skin are usually wrinkled like how a prune usually is so he is seeing that and not the joy of having a baby sister.

37) Shout-exclaim

38) He feels if she grows older than he is, he would then be the baby of the family and he would get the attention.

39) i) Parasailing adventures

ii) 30th May 2019

40) So they will rush to get there when they know there are limit spaces

41) i) Opportunity – chance

ii) guardian – caretaker, protector, custodian, keeper

42) They might want to take part in the other activities like Scuba diving and kayaking

43) They had to sign a waiver form so that the adventure seekers can't claim for anything if someone gets hurt or injured.

#### TEST 4

- |                |               |              |
|----------------|---------------|--------------|
| 1) new         | 7) "I         | 13) woke     |
| 2) meet        | 8) no!        | 14) seventh  |
| 3) happily     | 9) Louis      | 15) drove    |
| 4) waiting     | 10) Williams, | 16) was      |
| 5) bought      | 11) They      | 17) felt     |
| 6) comfortably | 12) such as:  | 18) accepted |

- 19) They came to look for jobs and to escape the hard ship in Venezuela
- 20) I think he was a union leader because Isabelle heard them talking about something called a union
- 21) i) Urgent - vital, serious, important  
ii) boycott – to cease to do something, a withdraw from doing something as a protest or punishment
- 22) A union is an organized group of workers who unite to make decisions about conditions to improve people lives.
- 23) It means they were hoping and wishing that something will work out that they will become citizen of Trinidad
- 24) When they are born in a country and have an identification card at the age of 17
- 25) He wasn't a citizen but he became a citizen. Isabella said she had heard someone say that he had become a citizen of Trinidad.
- 26) It meant that everyone would stop working until they got things they wanted.
- 27) Isabella's father had a job picking melons.
- 28) The main idea of the passage is about a family who was in the country illegally and wanted to become citizen and they were planning what strategies to use to get it.
- 29) The sense of smell. He smelt the cheese, and she smelt the cheese
- 30) Dwell - live
- 31) Simile - And both were as black as a witch's cat,
- 32) Befell – occurred, happened
- 33) Personification - And each said, "Yours is the finest tail
- 34) i) It smelt good  
ii) it would greatly add to the charm of their daily food
- 35) They were very vain. And each said, "Yours is the finest tail In the world, excepting mine.'
- 36) He felt pain because he knew something would happen to them
- 37) The poet is saying he watched in pain the two rats went out in search of food but what happen to them he never knew because they never came back
- 38) The boastful two rats  
The adventurous two rats
- 39) i) children will develop team building  
ii) make new friends/develop interpersonal skills
- 40) i) commences - begins, starts  
ii) situated - located
- 41) It has tennis, swimming, kayaking, cricket
- 42) Free response – Cricket. Since I am a cricket fan and I enjoy watching cricket matches on television and at the savannah
- 43) Free response - We let the kids be themselves and enjoy what life has to offer them

TEST 5

- |                  |             |               |
|------------------|-------------|---------------|
| 1) technology    | 7) News!    | 13) his       |
| 2) opportunities | 8) "We      | 14) attentive |
| 3) seen          | 9) Rise     | 15) regularly |
| 4) animation     | 10) 8:30    | 16) impressed |
| 5) their         | 11) them,   | 17) try       |
| 6) stressful     | 12) scared? | 18) but       |
- 19) His name stand for inventions that greatly helped people
- 20) i) accomplished - achieved  
 ii) persistence – to continue doing something no matter to be determined how difficult it is. Never giving up
- 21) The books made him ask questions. He wanted to know how things worked.
- 22) Both models ran on stream
- 23) He was always ready to start a new business
- 24) He was an enterprising boy. Edison raised vegetables and sold them in town  
 He sold food and newspapers on trains
- 25) i) He had a hearing problem  
 ii) He saved a boy's life by pulling him out of the path of a train.
- 26) A telegraph operator is a person who sends and receives messages
- 27) He worked hard although he had problems, he didn't give up in the end  
 he succeeded in what he wanted to do
- 28) A as a telegraph operator he had many learning opportunities .He sent and received messages from people all over the country. This helped him learn a great deal about what was going on in the world. He also used it as an opportunity to learn all about the telegraph and how it worked.
- 29) i) Tossed – to be thrown repeatedly up and down or to and fro  
 ii) distraught – upset, flustered
- 30) The little waves ran up the sand,  
 All rippling, bright and gay.  
 And when he saw the crested waves
- 31) Metaphor - But they were little robbers
- 32) As sleek and smooth as silk  
 Like kittens lapping milk
- 33) Mood- happiness  
 All rippling, bright and gay.
- 34) The little waves kept hitting against the wall  
 All day and night they look like they were fighting
- 35) He built the harbor wall so the waves won't go  
 on the shore and he will be able to walk peacefully  
 OR to prevent the waves from coming onto the shores  
 and washing away the sand
- 36) As the waves beat at the wall  
 The foam looks like white hair flowing in the wind  
 They looked confused as the scattered
- 37) Personifications -

- But they were little robbers  
 The little waves beat at the wall  
 Their white hair streaming in the wind  
 They tiptoed round the harbour
- 38) When the waves are washed onto the shore, they steal the sand  
 like how a robber steals things
- 39) i) NAPA Auditorium Port-of-Spain  
 ii) 8:30 am
- 40) If they have the talent to sing, to dance, play an instrument
- 41) i) Compete – vie, contend, contest, battle  
 ii) magnificent – brilliant, outstanding, splendid
- 42) i) \$1000.00 and a PSP and 4 tickets to see Avengers  
 ii) 150 schools
- 43) Free response. Singing because I can sing well. Play an instrument.  
 The piano because I have been learning to play since I was 5 years old

## TEST 6

- |                |                |             |
|----------------|----------------|-------------|
| 1) fascinates  | 7) Alice       | 13) beside  |
| 2) varieties   | 8) Mrs. Cooper | 14) fleet   |
| 3) inhabit     | 9) such as:    | 15) Quickly |
| 4) environment | 10) make?      | 16) kicked  |
| 5) merrily     | 11) replied,   | 17) into    |
| 6) fieldtrips  | 12) 11:30      | 18) gotten  |
- 19) Their unique appearance makes them look different from other insects
- 20) i) predators – killers  
 ii) create - make
- 21) It uses its jaws to hold its food and fight enemies.
- 22) Unique - different
- 23) They use them to sense smells, learn about food, and touch other ants.
- 24) Each leg of an ant has nine parts and a sharp claw on the end of it.  
 Its claw grabs hold of the surface and that is how an ant can climb  
 trees and walk upside down on leaves.
- 25) The abdomen of the ant contains the poison sac
- 26) Ants protect themselves from their predators by stinging them.
- 27) The importance of an ant's leg
- 28) The ant uses its antennae as a tool to help it smell, taste, touch  
 and communicate with things in its environment
- 29) i) Lithe – agile, nimble, flexible  
 ii) longed – wanted
- 30) Similes - threw words like stones  
 their muscles like iron
- 31) He was afraid of the children muscles more than tigers  
 I feared the salt coarse pointing of those boys
- 32) **Metaphor**- I feared the salt coarse pointing of those boys



- 33) Mood- fear  
I feared more than tigers their muscles like iron
- 34) They climbed cliffs and swam in the streams
- 35) It tells the reader that the poet wanted to forgive the boys  
and play with them but he never got a chance because smile  
and encourage him to play with them
- 36) No, I don't think the poet wanted to stay away from the boys  
His parents kept him away  
My parents kept me from children who were rough (line1)
- 37) Who copied my lisp behind me on the road
- 38) Sight  
Their thighs showed through rags they ran in the street  
climbed cliffs and stripped by the country streams
- 39) i) The Marvellous Morolvo's Circus  
ii) Brian Lara Stadium
- 40) i) The amazing strong man/ The Cradle of Death  
High Flying Trapeze  
ii) Contact Number to get more information if needed
- 41) i) venue – place where the show will beheld  
ii) retain – to keep
- 42) the terrifying clown, the elephant petting
- 43) There might be a door prize. If you lose it you might be  
able to locate the ticket