

MAHARAJ PUBLISHERS LIMITED

Excel for S.E.A. - Vol. 01

Mathematics

Answer Key

Vadewatte (Vidya) Maharaj

9/7/2018

TABLE OF CONTENTS

Test 1	2
Test 2	4
Test 3	7
Test 4	9
Test 5	11
Test 6	13
Test 7	17
Test 8	19

EXCEL FOR S.E.A. VOLUME 1 - MATHEMATICS

TEST 1

- 1) Four Hundred and Seventy Five Thousand and Nine Hundred and Sixty Three
- 2) \$3 & \$9
- 3) 0.13, 0.31, 1.03, 1.3
- 4) 20 years
- 5) 1.4
- 6) 13
- 7) 2401 tickets
- 8) 302 bags
- 9) Mary - Stall B
- 10) $\frac{5}{12}$
- 11) 2.5 cm
- 12) 560 grams
- 13) Bus 2
- 14) 12
- 15) R
- 16) Cuboid
- 17) 3 quarter turns
- 18) 56
- 19) Size 4
- 20) 8 more students
- 21) Convert 0.6 to fraction with denominator (number below in fraction) to 5:
 $\frac{1}{5} [?] 0.6 \rightarrow 0.6 = \frac{6}{10} \rightarrow \frac{12}{20} \rightarrow ? = 12$ or $? = \frac{2}{5}$
- 22) 15 slices + 20 slices = 35 slices
 Students $175 \div 35$ slices = 5
 5 of the 15 slices / 5 of the 20 slices
- 23) Total jelly beans = 500
 Green jelly beans 150 + Yellow jelly beans 50 = 200 jelly beans
 Remainder = $500 - 200 = 300$
 Share 300 jelly beans equally between Red and Blue $300 \div 2$
 150 Red jelly beans / 150 Blue jelly beans
- 24) 6 dresses = \$624.60
 1 dress = $\$624.60 \div 6 = \104.05
 8 dresses = $\$104.05 \times 8 = \832.40
- 25) Ashley = \$8.25
 Nadira = $\$8.25 \times 4 = \33.00
 Paul = $\$9.50 + \$33.00 = \$42.50$

- 26) Points 6/Throw1
- 27) dress = \$300.00
 1st dress = \$300.00
 50% of 2nd dress = \$150.00
 3rd dress = \$300.00
 Total Cost = \$300.00 + \$150.00 + \$300.00 = \$750.00
- 28) \$148.00 video games ÷ \$4.00 = \$37.00
- 29) When you change $\frac{1}{5}$ to a decimal fraction $\frac{1}{5} \times \frac{2}{2} = \frac{2}{10} = 0.2$
- 30) $\frac{\$16000}{1} \times \frac{5}{2} \times \frac{5}{100} = \2000
 \$16000 + \$2000 = \$18000
 \$18000 ÷ 30 months = \$600 per month
- 31) Playpark = (18 - 6) × (15 - 6)
 12 × 9 = 108
 Lawn = 18 × 15 = 270
 Area = 270 - 108 = 162
- 32) 9 hrs 20 mins = 10 hrs
 10 hrs × \$12.00 = \$120.00
- 33) Peri of rect = (L + B) × 2
 (10 + 8) × 2 = 36m
 1 m = \$6.50
 36 m = \$6.50 × 36 = \$234.00
- 34) (2.4 kg × 1000) ÷ (0.4 kg × 1000)
 2400 ÷ 400 = 6 packages
- 35) FIX - Draw diagram - 8 sides
- 36) 0, 1, 2 FIX -
- 37) FIX -
- 38) 45 + 75 + 80 + 60 = 260
 $\frac{260}{400} \times \frac{100}{1} = \frac{260}{4} = 65\%$
- 39) Total houses = 12 × 15 = 180
 Poinsettia Street = 4 × 15 = 60
 $\frac{60}{180} \times \frac{100}{1} = 33.333 \text{ or } 33\frac{1}{3}\%$
- 40) FIX -
- 41) $\frac{2}{5} \times 1200 = 480$
 Rem- \$1200-\$480
 =\$720
 $\frac{3}{4} \times 720 = 540$
 540+480=1020
 \$1200-\$1020=\$180

$$42) \text{Discount} = \frac{25}{100} \times \frac{3500}{1} = \$875.00$$

$$\text{After discount} = \$3500 - \$875.00 = \$2625$$

$$\text{Vat} = \frac{1}{8} \times \frac{2625}{1} = \$328.125$$

$$\$2625.00 + \$328.125 = \$2954.00/\$2953.125$$

$$43) \frac{200}{50} \times \frac{800}{20} \times \frac{400}{40} = 1600 \text{ boxes}$$

44) rhombus ,cylinder, rectangle, trapezium

45) Vendor 1 & Vendor 4

ii) Because they are probably selling cheaper or they probably had fresh fruits.

They had a fruit no other vendor had or they had what everyone liked

TEST 2

1) Two million nine hundred and six thousand, seven hundred and forty five

2) 49

3) 5 tenths

$$4) \frac{6}{9} = \frac{2}{3}$$

5) 231

$$6) 81-56 = 25$$

7) 7

$$8) 54-12 \div 6 = 7 \text{ } 108$$

9) \$3.25

10) 5

11) 2.6m

12) 9000g

13) 7:50

14) 75ml

15) 4

16) 1

17) Smaller than 90°

18) 56

$$19) 20+30 = 50 \div 2 = 25$$

$$23 + \square = 25$$

$$50-27 = 27$$

20) `12

$$21) \frac{2}{5} = 48$$

$$\frac{1}{5} \frac{48}{2}$$

$$\frac{5}{5} = 24 \times 5 = 120$$

$$\frac{3}{4} \times 120 = 90$$

- 22) $8 \times 8 = 64$
 $4 \times 8 = 32$
 Covered $64 - 32$
 $32 \times 6 = 192$
- 23) $8 + 4 = 72$
 $72 \div 12 = 6$
 6 sh with 8 bks
 6 sh with 4 bks
- 24) $\$100 - \$10 = \$90$
 $\$90 \div 6 = \15
 $\$15 \times 3 = 45$
- 25) Total Candy = 120 candy pieces
 $40 \text{ Hersheys} + 24 \text{ Crunch} = 64 \text{ candy pieces}$
 Remainder = $120 - 64 = 56 \text{ candy pieces}$
 Share 56 candy pieces between kit kat bars and Recess pieces = $56 \div 2 = 28 \text{ candy pieces}$
 28 are kit kat bars
 28 are Recess pieces
- 26) 9 times
- 27) $60 - 36 = 24$
 $24 \div 2 = 12$
 12% of 60 = 20
- 28) $\frac{1}{8} \times 640 = 80$
 $640 + 80 = \$720$
- 29) Reena is correct
 7 and 9 are not composite nos
 7 has only 2 factors and 9 has
 more than 2 factors. 7 is a
 Prime number
- 30) $3000 \times \frac{5}{100} \times 2 = 300$
 $3000 + 300 = \$3300.00 \div 24 = \137.50
- 31) $18 \times 16 = 288$
 $10 \times 10 = 100$
 $288 - 100 = 188 \text{m}^2$
- 32) $120 \times 2 = \$240$
 Sat = \$180
 $240 \times 5 = 1200$
 $180 \times 5 = 900$
 $1200 + 900 = \$2100$
- 33) 60cm
 Total length of ribbon = 650 m of ribbon
 $250 \text{ m gold} + 300 \text{ m red} = 550 \text{ m of ribbon}$
 Remainder = $650 - 550 = 100 \text{ m of ribbon}$
 Share 100 m of ribbon between bronze and orange colour = $100 \div 2 = 50 \text{ m}$
 50 m of bronze ribbon
- 34) 50 m of orange ribbon



35) 270°

36) Triangle-3 acute

Rect- 4 right angle

Trap- 2 acute/2 obtuse

37) H

38) 55 children

39) 4 cars

40) \$510

41) $75\% + 15\% = 90\%$

$$\frac{10}{100} \times 120 = 12$$

$$120 - 12 = 108$$

$$108 \div 12 = 9$$

$$\$20 \times 9 = \$180$$

42) $+\$5640 \div 8 = \7.05

$$\$7.05 \times 12 = \$84.60$$

43) $60\text{cm} \times 50 \times 10\text{cm} = 30000\text{cm}$

$$\frac{4}{5} \times 3000 = 24,000 \text{ cm}^3$$

44) i) obtuse

ii) 100°

45) i) $100 - 40 = 60$

ii) 80%

iii) She has to read more because reading is important and it will help her to spell. She has to learn her spelling words

TEST 3

- 1) 1 024 016
- 2) 45
- 3) 1.2
- 4) 6
- 5) 0.8
- 6) $6^2 \div 3 = 12$
 $12 \times 6 = 72$
- 7) 955
- 8) 28
- 9) \$20, \$5
- 10) $\frac{4}{9}$
- 11) 5cm
- 12) 100g
- 13) –fix
- 14) 6500ml
- 15) 2
- 16) 16
- 17) C
- 18) \$557
- 19) Mango
- 20) 8
- 21) \$20
- 22) $546 - 430 = 116$
- 23) $8 \text{ seashells} + 12 \text{ seashells} = 20 \text{ seashells}$
 $100 \text{ seashells} \div 20 \text{ seashells} = 5 \text{ sets of } 8 \text{ seashell wind chimes, } 5 \text{ sets of the } 12 \text{ seashell}$
- 24) $\$17.55 - \$16.70 = .85$
 $\$16.70 - .85 = \15.85
 $\$15.00 - .85 = \14.15
 $\$14.15 - .85 = \13.30

25)

	Marissa	Ryan	Seth
Extra total	25	25+15	
	25	50kg	

Remainder = $300 - (25 + 50) = 225 \text{ kg}$
 Share 225 kg among Marissa, Ryan, Seth = $225 \div 3 = 75 \text{ kg}$
 Seth's apples weigh $75 \text{ kg} + 50 \text{ kg} = 125 \text{ kg}$

- 26) \$2700
- 27) 2, 50
1, 20
3, 30
6, 100
- 28) \$810.00
- 29) She is not correct
The answer is 4.08
4.8 means 4 and 8 tenths
- 30) \$300
 $18 \times 9 = 162$
Path = 22×13
 $= 286$
 $286 - 162 = 124^2$
- 31) \$90.00
- 32) 78
- 33) $24 + 15 + 4 + 5 + 20 + 10$
 $= 78$
- 34) 39.75m
- 35) Polygons are made up of at least 3 straight lines.
B is made up of a curved line and
D is not bounded right around there is a space
- 36) Vertices 8
Edges 8
- 37) Draw 3 lines fix
- 38) 15%
- 39) 3 students
- 40) i) $195 \div 6 = 32.50$
ii) 33
- 41) James = 45%
Max = 30%
Rem = $100 - (45 + 30)$
 $= 25\%$
Eden = $\frac{1}{4} \times 320$
 $= 80$

Neighbour $\frac{3}{4} \times 80$
 $= 60$
- 42) Ste bought 300 oranges for \$240
Rem - $300 - 30 = 270$
Heaps - $270 \div 6 = 45$
 $45 \times \$3 = \135
Loss - $\$240 - \135
 $= \$105$

43) $\frac{10}{5} \times \frac{35}{5} \times \frac{5}{5} = 14$

44) i) 13

ii) 104

45) i) 5

ii) fix __

iii) He probably didn't water it.

Or it probably got too much water

It probably didn't get enough sunlight

The seed probably good

TEST 4

1) 7843, 7834, 7438

2) 41

3) 0.4

4) $\frac{5}{8}$

5) 48

6) 49

7) 180

8) 31

9) \$130

10) =

11) 30km-8km

=22km

12) 12.75-8.628 kg

= 4.122 kg

13) -fix

14) 175ml

15) Pentagon

16) 8 edges

17) 60°

18) 89

19) 1.5

20) 8 students

21) $\frac{3}{10}$

22) $600 - 120 = 480$

$480 \div 2 = 240$

Mr. Gomez $-240 + 120$

$= 360$

23) $12 \text{ eggs} + 24 \text{ eggs} = 36 \text{ eggs}$

$216 \text{ eggs} \div 36 \text{ eggs} = 6 \text{ sets of } 12 \text{ eggs, } 6 \text{ sets of } 24 \text{ eggs}$

24) \$1236.00

25)

	Rita	Simon	Daren
Extra total	20	20 - 5	
	20	15	

Remainder = $80 - 35 = 45$ aloo pies

Share 45 aloo pies among Rita, Simon, Daren = $45 \div 3 = 15$ aloo pies

Simon has $20 - 5 + 15 = 30$ aloo pies

26) 5

27) \$85.50

28) 1 racket = \$5.50 per hr

2 hrs = $\$5.50 \times 2 = \11.00

3rd hrs = \$2.50

4 th hr = 50 cents

$11.00 + 3.00 + 50 \text{ cents} = \14.50

29) $P \div 2 / 28 \div 2 = 14$

14- L=B 4 or

2 L $10 + 10 = 20$

$28 - 20 = 8$

$8 \div 2 = 4 / B = 4 + 4$

30) \$590

31) 72 m^2

32) $\$60.00 \div \1.50

$= 40 \text{ mins}$

33) i) 2m

ii) 50 times

34) Route B

It less distance A -4750m

B-3400m

35) fix-

36) Fix -

37) C

38) Draw 2 students

39) Apples 18

Pears 9

40) i) 26

ii) It is a popular game in the Caribbean.

From an early age children are exposed to the game

41) Sold $\frac{5}{5} - \frac{4}{5} = \frac{1}{5}$

Rem $\frac{5}{5}$ of $\frac{4}{5} = \frac{8}{25}$

$$\frac{1}{5} + \frac{8}{25} = \frac{13}{25}$$

$$\frac{25}{25} - \frac{13}{25} = \frac{12}{25}$$

$$\frac{12}{25} = 60$$

$$\frac{1}{25} = \frac{60}{12}$$

$$\frac{25}{25} = 25 \times 5 = 125$$

42) 30 free = 30 bottles

30 bottles = 30 × 6 coconuts

= 180 coconuts

Cost of coconuts = 180 × 8 = \$1440

Diff = \$1536 - \$1440 = \$96

\$96 ÷ \$8 = 12 coconuts were sold by themselves

43) 15 × 80 × 20

= 24000 cm³

24000 ÷ 250

= 96

44) -

45) i) 45 + 75 = 120

46) 75 - 20 = 55

ii) Probably there was a sale

More people shop on a Saturday

TEST 5

1) 1 066 020

2) 4

3) 0.8

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

5) 80%

6) 14

7) 84

8) 1163

9) 9 oranges

10) 24

11) 9

12) 1000g

13) 7:40

14) 48 l

- 15) Cylinder
 16) 9
 17) –
 18) 49
 19) Strawberry
 20) 7
 21) Lunch = $\frac{1}{4}$ of 80 = 20
 Ice-cream = $\frac{1}{5}$ of 80 = 16
 $20+16 = 36$
 $80-36=44$
 $\frac{44}{80} \times 100 = 55\%$
 22) $15 \times 5 = 75$
 $75 \times 5 = 375$
 $80-12 = 68$
 23) $68 \div 2 = 34$
 Tom = $34 + 12 = 46$
 Bill = 34
 24) 10 cookies + 8 cookies = 18 cookies
 $72 \text{ cookies} \div 18 \text{ cookies} = 4 \text{ sets of } 18 \text{ cookies}$
 Therefore 4 times the oven is used
 25) Jess = $2x \times 3x = 6x$
 Andy = $3x$
 Molly = x
 Total = $10x$
 $10x = 840$
 $x = 840 \div 10 = 84 \text{ kg}$
 Andy = $84 \times 3 = 252 \text{ kg}$
 Jessica = $252 \times 2 = 504 \text{ kg}$
 26) Red-2 times, score-20
 Blue -5 times, score-75
 Or red $5 \times 10 = 50$
 Blue $3 \times 15 = 45$
 Total times 11
 27) \$255
 28) $\$520 \times 4 = \2080
 $\$3250 - \$2080 = \$1170$
 29) $11+5=6$, $16+6=22$
 Each number Increase by how much the last number increased plus 1
 30) \$42.00
 31) $15 \times 15 = 225$
 $225 - 196 = 29\text{m}^2$
 1 tile = $0.4 \times 0.4 = 0.16\text{m}^2$
 Tiles needed - $29\text{m}^2 \div 0.16^2$
 = 181.25/ 182 tiles

- 32) Expected Arrival time = 9:00 am + 4 hours = 1:00 pm
 Blue Star arrives 40 minutes ahead of time = 1:00pm - 40 mins = 12:20 pm
 Green leaf arrives 20 minutes ahead of Blue Star = 40 mins + 20 mins = 60 mins
 Therefore 1:00 pm - 60 mins = 12 noon
- 33) $10 \times 4 = 40$ posts
- 34) 4000ml
- 35) Skip 1
- 36) –
- 37) –
- 38) 33
- 39) 10%
- 40) 25
- 41) $(40\% + 25\%) = 65\%$
 $100 - 65\% = 35\%$
 $35\% = 105$
 $1\% = \frac{105}{35}$
 $100\% = \frac{105}{35} \times 100 = 300$ tarts
 Straw = $\frac{40}{100} \times 300 = 120$
 Cherry = $\frac{25}{100} \times 300 = 75$
 Diff = $120 - 75 = 45$
- 42) Paul = $60 \times 8 = 480$
 Timothy = $480 - 80 = 400$
 $400 + 480 = 880$
 $880 \div 20 = 44$
 $44 \times \$9.00 = \396.00
- 43) $\frac{600}{40} \times \frac{400}{50} \times \frac{900}{30} = 3600$
- 44) 12 by 4
- 45) i) 8
- 46) ii) 10
 ii) He reads a lot and he learns his vocabulary
 He attends school regularly

TEST 6

- 1) Seven hundred and forty five thousand one hundred and eighty six
- 2) 45
- 3) 2
- 4) <
- 5) $100\% - 40\%$
 $60\% \div 4 = 15\%$
- 6) 39
- 7) 99kg
- 8) 73

- 9) \$112
 10) 8 times
 11) 4500 m
 12) 400 g
 13) fix-
 14) 8 times
 15) Cylinder
 16) 5 faces
 17) 120°
 18) 28
 19) 23
 20) 28 halves $\times 2 = 56$
 Each half = 2 goals
 Game 2 = 22

21) $\frac{2}{5} = \$12.00$

$$\frac{1}{5} = \frac{12}{2} = 6$$

$$\frac{5}{5} = 5 \times 6 = 60$$

$$\frac{1}{2} \text{ of } 60 = 15$$

- 22) $16 \times 6 = 96$
 Reserved- $4 \times 4 = 16$
 $96 - 16 = 80$

- 23) 20 weeks = $20 \times 7 = 140$ days
 Skip every 4 th day in each week
 Therefore $140 \div 4 = 35$ days

24)

	Paul	Charlie	Joseph
Extra total	20+15	15	
	35	15	

Remainder = $80 - (35 + 15) = 30$ points

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

Charlie has $15 + 10$ points = 25 points

- 25) $75 \times 5 = \$375$
 $620 - \$375$
 $\$245$
 26) Beans- $2/100$
 Rice - $1/160$
 Chicken- $2/200$
 Cabbage- $1/90$
 27) \$270
 28) \$6550

29) Since 90 cents is more than half of a dollar,
you will add 1 to the \$3.00. Answer will be \$4

$$30) 1500 \times \frac{6}{100} \times 2 = 180$$

$$1680 + 180 = 1680$$

$$1680 \div 24 = \$70.00$$

$$31) 20 \times 12 = 240\text{m}^2$$

$$\text{Gazebo } \frac{1}{4} \text{ of } 240$$

$$= 60\text{m}^2$$

$$32) 8:40 + 1:40 = 10:20 + 1:20$$

$$= 11:40 + 15 = 1:55$$

$$33) (15+6) \times 2$$

$$21 \times 2 = 42$$

A per 2 times B

$$42 \times 2 = 84 \div 4$$

$$= 21$$

$$34) 1 \text{ wind} = 450$$

$$8 = 450 \times 8$$

$$= 3600 \div 50$$

$$= 72 \times \$150$$

$$= \$10800.00$$

35) i) Draw 6 sides

ii) the shapes increased by 1 side

36) 2,2,2

37) -

38) 89

39) 35

40) i) second

ii) She probably didn't do enough training.

She is probably overweight.

Probably doesn't like sports

$$41) 15 \times 50 = 750$$

$$\text{Sold } \frac{3}{5} \text{ of } 750 = 450$$

$$750 - 450 = 300$$

$$\text{Juice } \frac{1}{3} \text{ of } 300 = 100$$

$$\text{Total used} - 450 + 100$$

$$= 550$$

$$\text{Give away} - 750 - 550 = 200$$

42) 40 tickets free

Every 3 = 1 free

$$120 = 40 \times 3 = 40 \text{ free}$$

tickets

$$120 \text{ tickets @ } \$5.00 = \$600.00$$

Were sold

Remainder of tickets not given away in the deal by selling

$$= \$725 - \$600 = \$125 \text{ worth of tickets.}$$

$$\$125 \div \$5.00 = 25 \text{ tickets}$$

43) $50 \times 30 \times 40$

$$= 60000 \div 1000$$

$$= 60 \times \frac{1}{4} = 640 \frac{1}{4} \text{ cups}$$

44) i) CD

ii) $72 - 32 \div 2$

20cm

iii) 6


45) i) $180 - 100 = 80$

ii) Kevin and Nick

iii) She can eat balanced meals.

Eat less snacks/exercise

TEST 7

- 1) 30 000
- 2) 4,8,12
- 3) $\frac{2}{5}$
- 4) \$45
- 5) 50%
- 6) 45
- 7) \$1135.00
- 8) 5
- 9) \$7.20
- 10) >
- 11) 540cm
- 12) 7.2 kg
- 13) 8:00 to 1:00
=5hrs×\$20
=\$100
- 14) 1750ml
- 15) Cuboid
- 16) 45°
- 17) 
- 18) 75
- 19) 24 pages
- 20) 11
- 21) Jessie/ 42.8kg
Dexter/ $42.8 + 8\frac{3}{4} = (51.55)$
Leon/ $42.8 + 8\frac{3}{4} + 4.5\text{kg}$
=47.05
Total weight = $42.8 + 51.55 + 47.05$ (141.40kg)
- 22) $38 - 2 = 36 / 36 \div 2 = 18$
 $20 - 18 = 2 / 20 + 18 = 38$
- 23) 15×12 rows = 180
8 squares \times 5 rows = 40
 $180 - 40 = 140$
- 24) $240 - 32 = 208 \div 2 = 104$
 $104 + 32 = 136$ apples
- 25)

	Ricky	David	Samuel
Extra total	5	10 + 5	

Remainder = $65 - 20 = 45$ fishes

Share 45 fishes among Ricky, David, Samuel = $45 \div 3 = 15$ fishes

David has $15 + 10 + 5 = 30$ fishes

- 26) $18+10=38$
 $68-38=30$
 $30\div 3=10$
- 27) Dis $\frac{30}{100}$ of 7200
 $=\$2160$
 $\$7200-\2160
 $=\$5040$
 $\frac{1}{8} \times 5040=630$
 $5040 - 630$
 $\$5670$
- 28) 10:20 to 2:45
 $=5\text{hrs and } 25 \text{ mins}$
 $5 \times \$20 = \40
- 29) 61/ subtract 3
- 30) $\frac{1}{8} \times 560 = \70
 $\$560 + \$70 = \$630$
- 31) $12 \times 8 = 96$
 $\frac{1}{3} \times 96 = 32$
 $96 - 32 = 64$
- 32) M- $\$250 +$
T- $\$250 +$
S - $\$300 + =\800
- 33) $180+180 = 360$
 $475-360=115$
 $115\div 2= 57.50$
- 34) $11.20+5.60=\$16.80$
- 35) $16.80\div 2=\$8.40$
 $\$5.60+\$8.40=\$14$
bags 1, 2
- 36) Draw 11, 13, 17 marbles
- 37) 270°
- 38) –
- 39) $16 \div 2 = 8 / 8 \times 2 = 16$
- 40) 21
- 41) i) 2006- 3= 2003
ii) Hailey because she has worked the longest
- 42) Maths= 40%
Spelling=30%
Grammar= 20%
 $40+30+20=90\%$

$$100\% - 90\% = 10\%$$

$$10\% = 4$$

$$1\% = \frac{4}{10}$$

$$100\% = \frac{4}{10} \times 100 = 40$$

Ans = 40 pupils

43) Grace- $54 \times 8 = 432$

Anna- $432 - 36 = 396$

$$432 + 396 = 828$$

$$828 \div 12 = 69$$

$$69 \times \$6.50$$

$$= \$448.50$$

44) $\frac{14}{2} \times \frac{8}{2} \times \frac{12}{2} = 168$

$$168 - 8 = 160 \text{ cubes}$$

45) -

46) i) $\frac{30}{50} \times 100 = 60\%$

ii) Greg

iii) He will miss work in class, he won't understand and he will fall back in his work.

TEST 8

1) 24000

2) 12, 18, 24

3) =

4) $\frac{5}{12}$

5) 25%

6) 81

7) 8 years

8) 48

9) $6720 + 5540$

$$16,292 - 12260$$

$$4032$$

10) 45

11) 480 cm

12) $9 \times 90 = 810$

$$2 \times 90 = 180$$

$$810 - 180 = 630\text{g}$$

13) \$40.70

14) $8500 \div 500 = 17$

15) 4 edges

16) Triangular prism

17) T

18) 3

19) 18

20) 34

$$21) \frac{1}{3} + \frac{1}{5} = \frac{8}{15}$$

$$\frac{15}{15} - \frac{8}{15} = \frac{7}{15}$$

$\frac{7}{15}$ of 1500 =
700 songs

$$22) \frac{10}{100} = \frac{1}{10}$$

$$\frac{1}{10} \times 40 = 4$$

Points 40 - 4 = 36
Ans 36 points

23) 7 balloons + 10 balloon = 17 balloons
85 balloon \div 17 balloons =
5 bouquets of 7 balloons, 5 bouquets of 10 balloons

24) Red-x+10+20 =
Black -x+10 =
White-x = 40
3x+40=160
Remove extras 160-40
=120
Divide equally 120 \div 3=40
X =40
Ans = 70 red, 50 black, 40 white

25) 5 days a week
3 days +1 day off=4days
5 \times 4 = 20 days
20-4 = 16 days

26) 2 pawpaw=\$100
1 melon=\$45.00
250-145=105
105 \div 36=3
3 pineapples

27) \$200

$$28) \frac{45}{100} \times 420 = 189$$

$$189 \times 25$$

$$\$4725$$

29) It has 2right angles/1 acute angle
2 obtuse angles

30) \$500.00

31) 13 \times 17=221 cm

32) 8:00am to 4:00pm
= 8hrs
Reg Time=8 \times 50=\$400
Earned-\$625 -\$400

$$=\$225$$

$$\text{Overtime} \$225 \div \$75$$

$$=3 \text{ hrs}$$

33) P of tri=27

$$\text{P of rect} =30$$

$$\frac{27}{30} = \frac{9}{10}$$

34) $3.425 + 0.645$

$$= 4.070$$

4 and 5

35) –

36) i) 72cm

ii) 6 circles

37) –

38) i) Add 7

ii) 37

39) $33\frac{1}{3}\%$

40) i) 8 years

ii) Alex was born in 2002.

Alex 2 years older than Lee-2004 Lee was born

Alex 2 years before 2002

41) Ken got 20%

$$\text{Mandy} = 0.4$$

$$(20\% + 0.4) = \frac{3}{5}$$

$$\frac{5}{5} - \frac{3}{5} = \frac{2}{5}$$

$$\text{Rem} = \frac{2}{5} = 40$$

$$\frac{1}{5} = \frac{40}{2} = 20$$

$$\frac{5}{5} = 20 \times 5 = 100$$

42) C.P = $20 \times 18 = \$360$

$$\text{S.P} = 25 \times 20 = \$500$$

$$\text{No. pack} = 500 \div 10 = 50$$

$$\$9.60 \times 50 = \$480.00$$

$$\text{Profit} - \$480 - \$360$$

$$=\$120$$

43) 96

44) i) –

ii)-

45) i) Lawn tennis

ii) 2500-500

$$=2000$$

It is a popular game. From small they are familiar with the game