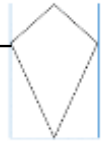



SUCCESS IN MATHEMATICS

STD 3 ANSWER KEY

TEST 1

1. 900 2. 9601 3. 2000 4. 250 lunches 5. 5539
6. 5668 7. 17 hundreds 8. Shade 3 blocks 9. Two 10c
10. $\frac{2}{6}$ 11. 6000m 12. 22cm 13. Square based-pyramid
14. Draw 4 lines 15. 15 students 16. \$1500 17. 26,32
18. \$35.00 19. 2376 women 20. Store A 21. $5\frac{4}{8}$
22. \$135 23. centimeter, metre, kilometer 24. Kite 
25. a. 3 students b. 8 marks c. Susan, Sam, Jamal

TEST 2

1. 7 2. \$17.20 3. 3 4. 22 5. 3478, 3748, 3784
6. 195 books 7. 3 thousands 8. 9730 9. 32 boxes
10. 200 11. 8250ml 12. 14cm^2 13. B
14. parallelogram 15. 32 children 16. 600 passengers
17. Loss of \$150 18. \$560 19. $\frac{2}{8}$, $\frac{3}{8}$, $\frac{5}{8}$
20. 255 coconuts 21.  22. 58 heaps

23. Perimeter is the distance around the shape. Each block has a side of 1cm. The perimeter of A is 20cm. The perimeter of B is 20cm. Both shapes have equal perimeter.

24. 2 faces, 1 vertex, 1 edge

25. Dog- colour 8 blocks / Cat- colour 6 blocks / Hamster- colour 3 blocks / Fish – colour 1 block.

TEST 3

1. 6803 2. 9316 3. 6700 4. $4 \times (1000) + (7 \times 100) + (0 \times 10) + (1 \times 1)$

5. 900 6. \$120 7. $11\frac{1}{2}$ 8. \$68.00 9. 15 10. $\frac{5}{8}$

11. 2150g 12. 16cm 13. Cylinder 14. 2 lines 

15. Game 1 and Game 4 16. 368 marbles 17. $2056 / 6520$

18. \$68 19. 1702 20. Stall B – You divide to find for the cost of 1. \$10 divided by 4 equals \$2.50. \$12 divided by 6 equals \$2.00. So Stall B is cheaper.

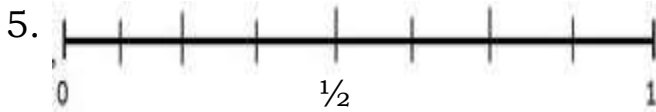
21. $1\frac{2}{5}$ 22. 6 free pencils 23. Each block has an area of 1cm^2 . There are 15 blocks so the area of the shape is 15cm^2 . Perimeter is the distance around the shape. Perimeter of the shape is 16cm. It is found by adding all the sides.

24. 1 square face and 4 triangular faces. 

25. 205 students, Rock

TEST 4

1. 1189 2. 5 tens 3. Seven thousand and ten 4. 22



6. 35 7. 1920, 1290, 1029 8. \$3.50 9. $15\frac{1}{4}$ 10. 204

11. 2750m 12. 20cm^2 13. 12 edges 14. Triangle

15. ~~1111~~ ~~1111~~ 11, 7 16. 864 books 17. 40 slices

18. Shade 4 more blocks 19. \$505 20. 9 hours

21. $\frac{1}{2}$ and $\frac{11}{12}$, $\frac{2}{12}$ and $\frac{10}{12}$, $\frac{3}{12}$ and $\frac{9}{12}$, $\frac{4}{12}$ and $\frac{8}{12}$, $\frac{5}{12}$ and $\frac{7}{12}$

22. 96 boxes 23. 2150 hours 24. Trapezium with a based of 6 units 25. 7, 30 students.

TEST 5

1. 2598, 2895, 2985
2. \$ 5670
3. 2042
4. Gain-\$175
5. 5005
6. 1
7. Shade 8 blocks
8. 20
9. 2360
10. 87
11. Kilograms
12. 20cm
13. Pentagon
14. Draw 2 lines, one horizontal and one vertical
15. Shade Block
- Graph to show 9 children
16. $5\frac{1}{4}$ m
17. 13
18. 126
19. \$176
20. 3-remove tens digit in each row
21. \$1750, \$4100
22. $\frac{4}{5}$
23. 16
24. Triangular prism




25. ~~1111~~ ~~1111~~ 111, 13

TEST 6

1. 600
2. 3000
3. 6403
4. $3\frac{3}{5}$
5. 25
6. \$14
7. $\frac{3}{8}$
8. 7540
9. 90
10. \$0.35
11. 2030 hours
12. 18cm
13. Rectangular-based pyramid
14. B
15. 7
16. $\frac{5}{24}$
17. 45 chocolates
18. \$4334
19. Shade 1 more
20. Loss-\$155
21. 3150
22. \$696
23. 175g
24. six square faces-
25. 20cm, Rachel, 30cm

TEST 7

1. 7009
2. 1000
3. Seven thousand and fifty-five
4. 4bills
5. 71 marbles
6. 3459
7. 138
8. $\frac{4}{12}$ or $\frac{1}{3}$
9. 4000
10. 6 pairs
11. Long hand exactly on the 8, short hand

- between 8 and 9. 12. 7cm 13. Circle 14. Isosceles
 triangle 15. 4 16. 140 oranges 17. 20 pies 18. 17,21
 19. $\frac{5}{18}$, $\frac{2}{3}$, $\frac{5}{6}$ 20. $1\frac{3}{8}$ 21. \$540 22. 5 bags
 23. $11\frac{1}{2}$ km 24. Rhombus 
 25. Thursday, 10 students, too rain/flooding

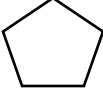
TEST 8

1. 8920 2. 800 3. 3560 4. 27 5. 522 6. 55coins
 7. 177 8. 16 9. \$235 10. $\frac{4}{10}$ 11. Kilograms
 12. Container B 13. Octagon 14. 3 15. 23 people
 16. 360 plants 17. 645 children 18. 15 blocks 19. \$485
 20. < 21. \$11 22. 1992 23. To find the area you count
 the number of squares that are shaded. Two half squares equal
 one whole square. Both shapes have the same area of 8 cm^2 .
 24. pentagon, hexagon, heptagon 25. Pepperoni-shade 6
 blocks, sausage-shade 2 blocks, ham-shade 2 blocks, cheese-
 shade 5 blocks.

TEST 9

1. 4590 2. 12 hundreds 3. $2\frac{2}{5}$ 4. 18
 5. $(125 \times 10) + (125 \times 5)$ 6. Loss-\$65 7. < 8. 8 bills
 9. 7065, 6570, 5607, 5076 10. 28 toys 11. Kilometre
 12. 6:45 a.m. 13. Prism 14. Cylinder 15. 22 students
 16. 336 bottles 17. 4, 7, 1 18. \$7165 19. \$136
 20. $\frac{1}{6}$, $\frac{1}{3}$, $\frac{2}{3}$ 21. 1150 22. 480 oranges 23. Each
 square block has a side of 1cm. You count the sides around the

shape. Shape A has a perimeter of 16cm. Shape B has a perimeter of 26cm. The perimeter of B is 10cm more than Shape A.


24. pentagon  25. Nintendo, 3, 15 games

TEST 10

1. 2 2. 120 oranges 3. 2 hundreds 4. \$3000.75

5. 10 halves 6. \$1770 7. $3\frac{7}{8}$ 8. D



9.  10. 12 erasers 11. $2\frac{1}{2}$ cm 12. 5 13. Cylinder

14. heptagon 15. 27 children 16. 1308 17. 21 quarters

18. \$2000 19. 18, 14 20. 55 marks 21. 12 22. 8635

23. 500g 24. 5 faces, 6 vertices, 9 edges 25. Saturday,

40 children, 290 children

TEST 11

1. 5026 2. 1000 3. 900 4. 9041 5. $\frac{6}{16}$ 6. 8

7. \$112 8. Shade 6 blocks 9. 188 seats 10. $\frac{5}{8}$

11. 4kg 12.  13. Cube 14. Rectangle-length of 4

blocks, width of 3 blocks 15. 10 students 16. 404 tickets

17. $\frac{1}{12}$, $\frac{2}{3}$, $\frac{5}{6}$ 18. \$960 19. \$320 20. \$48

21. 240 marbles 22. $\frac{1}{2}$ 23. 10:45 on the clock

24. 25. 30, 175

TEST 12

- 1
- Nine thousand three hundred and eleven
- 500
- 18
- 1800
- 4 pencils
- $6\frac{1}{8}$
- $\frac{7}{10}$
- 46 heaps
- \$195
- 5:30 p.m.
- 4 pieces
- pyramids
- Shape D
- 400
- 840
- $\frac{7}{16}$, $\frac{3}{8}$, $\frac{1}{4}$
- \$45
- 18 eggs
- $4\frac{1}{4}$
- \$30
- $\frac{1}{3}$, $\frac{1}{4}$, $\frac{5}{12}$
- 250ml, 500ml, 750ml
- 6 faces, 12 edges, 8 vertices
- Shade 6 blocks for spinach

TEST 13

- Tens
- 92 hundreds
- $(4 \times 1000) + (0 \times 100) + (9 \times 10) + (2 \times 1)$
- 8796
- $4\frac{7}{8}$
- 16
- 126 children
- 10c, 5c
- $\frac{3}{8}$
- 5
- 500ml
- Perimeter
- Sphere
- edge
- Dancing
- 108bags
- $4\frac{1}{4}$
- \$33.50
- 54 pieces
- 312 sticks
- 10, 11
- 21 blocks, 28 blocks
- Kilometre, metre, centimeter
- 1, 2, 0 lines
- Monday- ~~1111~~ ~~1111~~ 1 Tuesday- ~~1111~~ Wednesday – 111
Thursday- 11

TEST 14

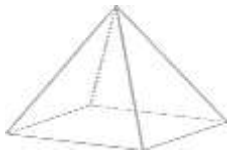
- 6390
- 4501
- 2345, 3425, 4325, 5423
- Shade 3
- 335 bottles
- 2875
- 4 marbles
- 5000
- 2031
- 16 years
- Kilograms
- 40cm^2
- Square with a side of 5cm
- Cuboid
- 90 students
- 145
- $11\frac{3}{8}$
- \$65
- Cupcakes-41, doughnuts- 16

20. 4975, 9745 21. 240 22. The 6th pattern consists of 36 dots. One additional dot is added to each row vertically and horizontally (3x3 dots), (4x4 dots), (5x5 dots), (6x6 dots)
23. 1510 24. Cuboid, cylinder, square-based pyramid
25. Tuesday-3, Wednesday-21, Thursday-15, Friday-9

TEST 15

1. 2709 2. Shade 3 pieces 3. < 4. 1399 5. 55
6. \$3950 7. 8 erasers 8. 10 quarters 9. Arrow exactly between 1 and 2 10. 18 hampers 11.4 cherries
12. 8:45-long hand exactly on 9, short hand between 8 and 9 but closer to 9. 13. Trapezium 14. A 15. Webcam 16.4122
17. > 18. \$150, \$ 255 19. \$80 20. \$23.50
21. $\frac{3}{12}$, $\frac{1}{3}$, $\frac{5}{12}$ 22. 48, 96 23. You count the number of shaded blocks in each shape. Two half blocks will equal one whole block. Shape A has an area of 12cm^2 . Shape B has an area of 13cm^2 and shape C 11cm^2 . Shape B has the greatest area.

24.



25. 60 pencils/ Wednesday and Thursday/ It was the Saturday before school reopens so a lot of people bought pencils to start the new term.

TEST 16

- 2000
- 16
- 6 eggs
- 600
- 3066
- <
- 150 lunches
- 280 students
- 50
- 3402
- litres
- C
- Triangular based pyramid
- 1 vertical line down the middle.
- 17students
- 2000
- $\frac{2}{4}$, $\frac{4}{8}$
- 4 oranges for \$12
- $3\frac{3}{4}$ hrs
- 5078, 8750, 3672
- 721 ducks
- 20 teacups
- 14cm^2
- Draw 5 equilateral triangles, 6 edges, 4 vertices
- lemon, 36 candies

TEST 17

- 370
- 9
- 5
- 6363
- $(4 \times 1000) + (0 \times 100) + (3 \times 10) + (2 \times 1)$
- 12
- 10hours
- 6334
- 924 novels
- $\frac{77}{8}$
- $5\frac{1}{2}$ cm
- 12cm
- Kite
- Sphere
- 12,9
- 9,2
- $\frac{1}{10}$, $\frac{1}{5}$, $\frac{3}{5}$
- \$3840
- 25, 16 and 18
- 26
- \$60
- $\frac{5}{10}$, $\frac{6}{10}$, $\frac{4}{10}$
- 24cm^2
- 5 faces,8 edges, 5 vertices
- Tally for 11 for Brandon

TEST 18

- 9210, 9201, 9021, 9012
- Three thousand nine hundred and two
- 8800
- Thousands
- 3586
- $\frac{6}{12}$ or $\frac{1}{2}$
- \$272
- $4\frac{3}{4}$
- 12 charts
- 5379
- $\frac{1}{2}$ kg
- 3:00
- Parallelogram
- C
- 25 children
- 2250
- $7\frac{4}{10}$
- \$600
- \$27
- 528marbles
- $\frac{1}{6}$
- 14 textbooks
- Clock drawn to show 7 O'clock---long hand on 12 and short hand on 7
- Cylinder,

triangular based pyramid, triangular prism 25. 3 students, 18 students

TEST 19

1. Thousands
2. 657
3. 48
4. \$9073.50
5. $\frac{67}{8}$
6. 84 pupils
7. 15
8. 3023
9. 72 marks
10. \$780
11. millilitres
12. Length of 6 and width of 3/length of 9 and width of 2
13. 8 vertices
14. C
15. Orange and purple
16. 158 children
17. 25 dots (5x5)
18. \$625, 4 days, \$250
19. 23 hotdogs
20. 7
21. \$562.50
22. >
23. 5cm
24. sphere, cone or pyramid
25. \$210, \$ 290

TEST 20

1. Nine thousand and twenty five dollars and seventy five cents.
2. 48
3. $\frac{47}{4}$
4. $1\frac{1}{4}$
5. 515
6. 42 quarters
7. \$1450
8. C
9. \$750
10. 59
11. 7cm
12. 1000
13. 14
14. B
15. 5
16. 392 desks
17. $\frac{5}{10}$, $\frac{1}{5}$, $\frac{3}{20}$
18. \$380
19. 286
20. 30 apples
21. 5 oranges for \$12.50
22. \$30
23. 14 cups
24. 12 edges, 6 faces, 8 vertices
25. 95 marks, 4 students, 17 marks

TEST 21

1. 200
2. 5000
3. 15
4. 340
5. Shade 3 pieces
6. \$7.00
7. 270
8. 7
9. 2378, 2708, 3459, 3595
10. 34
11. 4000ml
12. 2120
13. Circle and rectangle or circle and square
14. Shape of a pentagon
15. 23 people
16. 14

17. 13 coins 18. 1 free car, 8 cars 19. 290 eraser, 29 bags

20. \$72 21. A- $\frac{3}{5}$ B- $\frac{2}{4}$ or $\frac{1}{2}$ C- $\frac{4}{8}$ or $\frac{1}{2}$

22. \$ 26.50 23. a – 12cm^2 b – 13cm^2 c – 11cm^2

Difference = 2cm^2

24. Pyramids- triangular based pyramid, cone

Prisms- cube, triangular prism, cuboid

25. Bar shaded to show \$80

TEST 22

1. 2058 2. 1577 3. 27 marbles 4. 192 stickers 5. 7900

6. 2153 7. 2835 8. A 9. \$590 10. 20 pieces

11. Tuesday 22nd January, 2019 12. Line starts at 1cm and stops at 5cm on the ruler 13. A 14. Cuboid, triangular

prism 15. 24 people 16. 324 eggs 17. Base with 9 dots added on. Row 1 has 1 dot, row 2 has 3 dots, row 3 has 5 dots, row 4 has 7 dots so row 5 will have 9 dots. (1,3,5,7,9)

18. \$12 19. 0, $\frac{3}{4}$ 20. \$6800 21. 252 notebooks

22. \$70 23. 24kg 24. Hexagon. The hexagon does not

belong in the set. All the other shapes have 4 sides and are called quadrilaterals. The hexagon is a 6 sided figure.


25. Bar graph drawn to 6.

TEST 23


1. Eight thousand and fifty-five dollars and twenty-five cents

2. 20 3. $5\frac{1}{4}$ 4. Shade 3 pieces 5. 64 6. Jason

7. $\frac{2}{5}$ 8. 16 9. 2 students 10. \$300 11. 100cm

12. 1:50 13. 3 faces 14. 4 lines 15. 28 students
 16. 3197, 3719, 3791, 3917 17. 7 weeks 18. $\frac{3}{4}$
 19. 34,41 20. 176 sweets, 22 bags 21. 21 points 22. \$217
 23. Clock to show quarter past one 24. 
 25. Shade 11 bars for soccer, 5 for football, 3 for baseball, 1 for basketball and 3 for volleyball.

TEST 24

1. 9000 2. 4655 3. 9 4. $\frac{3}{8}$ 5. \$77.50 6. \$21
 7. $\frac{7}{12}$ 8. 2225 9. 275 10. 25c, 5c 11. Kilometre
 12. 9000 13.  14. Cylinder 15. 1500 16. 50
 17. 4 18. \$120 19. \$4000 20. $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$ 21. 36 balls
 22. 70cm 23. 8 containers 24. Square based pyramid, cube or triangular prism, triangular based pyramid
 25. car drawn to 10, bike 7 and bus 4

TEST 25

1. Five thousand, three hundred and twenty four 2. 8231
 3. $\frac{27}{4}$ 4. 90 5. \$88 6. \$675 7. 7350 8. $\frac{4}{8}$ and $\frac{3}{6}$ 9. 3 tens 10. 13 11. 2250ml 12. Frank
 13. cylinder 14. Triangular prism 15. Bar to show \$9
 16. 916 17. 8 18. \$1715, 5 days, \$150 19. 225 20. \$72
 21. $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$ 22. \$270 23. 12000m 24. Rectangular pyramid, 8 edges, 5 faces 25. September. Many children are on vacation so they visited the zoo and bought ice-cream.