

Pennacool.com National Learning Assessment Practice Test Worked Solutions - Parent's Edition
STANDARD 3 – MATHEMATICS

TEST 1

- | | | |
|------|-------|-------|
| 1. B | 6. A | 11. B |
| 2. C | 7. C | 12. A |
| 3. B | 8. B | 13. C |
| 4. D | 9. D | 14. D |
| 5. D | 10. A | |

15.	$\$2515 \div 5 = \503
16.	3 fries = $\$8 \times 3 = \24 2 sodas = $\$5 \times 2 = \10 2 hotdogs = $\$15 \times 2 = \30 Bill = $24 + 10 + 30 = \$64$
17.	$96 = 49 + \square$ $\square = 96 - 49 = 47$
18.	$80 \div 10 = 8$ trays each $8 \times 2 = 16$ trays altogether
19.	Cost price = \$4600 Selling price = \$3950 Selling price is less than cost price, so he made a loss. Loss = $4600 - 3950 = 650$
20.	8 bags have = $28 \times 8 = 224$ $224 + 6$ mangoes = 230 mangoes
21.	4:45 pm
22.	3 kg = 3000 g $3000 \text{ g} - 840 \text{ g} = 2160 \text{ g}$ Mass of 1 bag = $2160 / 4 = 540 \text{ g}$
23.	Area of 1 square = $1 \times 1 = 1 \text{ cm}^2$ Shape A = 8 cm^2 Shape B = 14 cm^2 Difference = $14 - 8 = 6 \text{ cm}^2$
24.	Perimeter of rectangle = $(L + B) \times 2$ $= (35 + 10) \times 2 = 45 \times 2 = 90 \text{ cm}$
25.	

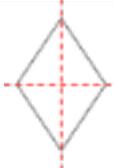
26.	1. A has 1 line of symmetry, whereas B has 0 lines of symmetry. 2. A has one pair of parallel lines and B has 2 pairs of parallel lines.
27.	Chicken and Chow Mein
28.	Taxi = 55 Bicycle = 25 Difference = $55 - 25 = 30$
29.	Stall A = $\frac{12}{4} \times \$5 = \15 Stall B = $\frac{12}{6} \times \$8 = \16 He should buy the oranges from Stall A because it is cheaper by \$1.
30.	Cost of 5 sodas = $\$88 - \$48 = \$40$ 1 soda = $\$40 \div 5 = \8 No. of sodas Craig bought = $\$88 \div \$8 = 11$ sodas
31.	No. of cans needed = $48 \times 8 = 384$ cans He has = $384 - 8 = 376$ cans
32.	Shape A = $14 \text{ cm} \times 4 \text{ cm} = 56 \text{ cm}$ Shape B = $16 \text{ cm} + 16 \text{ cm} + 28 \text{ cm} = 60 \text{ cm}$ Shape B has the larger perimeter.
33.	14 spaces = $30 \text{ m} \times 14 = 420 \text{ m}$
34.	
35.	$8 \square = 80$ students $\square = 80 \div 8 = 10$ students Hockey = $7 \times 10 = 70$ students Tennis = $2 \times 10 = 20$ students $70 - 20 = 50$ students

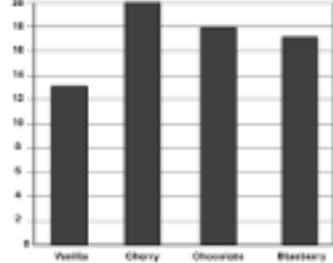
TEST 2

1. C
2. D
3. C
4. A
5. B

6. B
7. D
8. B
9. C
10. D

11. B
12. A
13. C
14. C

15.	1 Avocado - \$15 Chocolate total - \$175
16.	Amt. Ronnie had = \$465 Amt. Ronnie spent = \$97 Amt. remaining = \$465 - \$97 = \$368 Amt. he has after doing chores = \$368 + \$128 = \$496
17.	Cost of 20 books = $20 \times 15 = \$300$ Total Selling Price = $20 \div 2 = 10$ sets $= 10 \times \$45 = \450 $450 > 300 = \text{Profit}$ Profit = $450 - 300 = \$150$
18.	Total marbles = $75 + 91 = 166$ No. each should have = $166 \div 2 = 83$ No. Randy has to give = $91 - 83 = 8$
19.	Total no. of cookies = $20 \times 10 = 200$ No. of bags used = $200 \div 8 = 25$ bags
20.	$\square = 2396 - 999 = 1397$
21.	Devi = \$276 Kim = $\$276 - \$59 = \$217$ Jenny = $\$217 \times 4 = \868
22.	Time Ria left home = 8:45 Length of journey = $9:50 - 8:45 = 1:05 = 1 \text{ hour } 5 \text{ minutes}$
23.	Area of square = $(6 \text{ cm})^2 = 36 \text{ cm}^2$ Rectangle option = $9 \text{ cm} \times 4 \text{ cm}$
24.	Area of floor = $9 \text{ m} \times 6 \text{ m} = 54 \text{ m}^2$ Area of rug = $4 \text{ m} \times 3 \text{ m} = 12 \text{ m}^2$ Area not covered = $54 \text{ m}^2 - 12 \text{ m}^2 = 42 \text{ m}^2$
25.	
26.	Similarity: Both have 5 faces Difference: A has 5 vertices/8 edges, whereas B has 6 vertices/9 edges
27.	George -

28. 

29. Beads Javi has = 480
1 bracelet = 8 beads
70 bracelets = $70 \times 8 = 560$ beads
No. of beads she needs = $560 - 480 = 80$ more beads

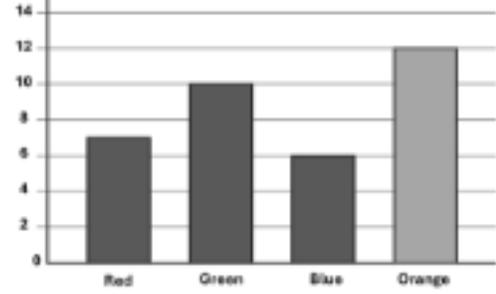
30. Taj's working is incorrect. Nine can go into 19 two times, not 1. Hence, his answer is incorrect.

31. 1 cube = 12 toothpicks
4 cubes = $12 \times 4 = 48$ toothpicks

32. 15 donuts at Bakery A = $\frac{15}{3} \times \$25 = 5 \text{ sets} \times \$25 = \$125$
15 donuts at Bakery B = $\frac{15}{5} \times \$45 = 3 \text{ sets} \times \$45 = \$135$
Lana will spend \$10 less at Bakery A.

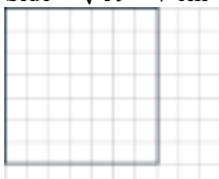
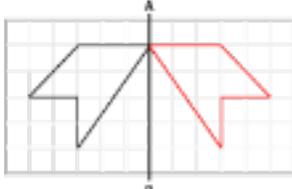
33. Length of shape = $27 \text{ cm} + 8 \text{ cm} = 35 \text{ cm}$
Breadth of shape = $8 \text{ cm} + 8 \text{ cm} = 16 \text{ cm}$
Perimeter of shape = $(L + B) \times 2 = (35 + 16) \times 2 = 51 \times 2 = 102 \text{ cm}$

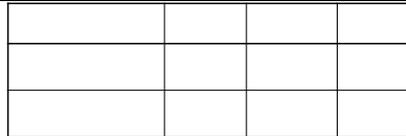
34. 

35. Orange = $35 - (7 + 10 + 6) = 35 - 23 = 12$

Mode = orange

TEST 3

- | | | |
|------|-------|-------|
| 1. C | 6. C | 11. D |
| 2. D | 7. A | 12. A |
| 3. A | 8. D | 13. C |
| 4. B | 9. B | 14. C |
| 5. A | 10. B | |

15.	1 hour = $\$248 / 8 = \31
16.	Total money = $\$475 + \$238 = \$713$
17.	No. of cookies left = $16 - 4 = 12$ As a fraction = $\frac{12}{16} = \frac{3}{4}$
18.	Selling price = $\$765 + \$45 = \$810$
19.	2 pens = $\$15 \times 2 = \30 Amt. of money left = $\$400 - \$30 = \$370$ Amt. of money each child gets = $\$370 \div 5 = \74
20.	No. of dinner rolls = $(24 \times 12) + 13$ $= 288 + 13 = 301$ dinner rolls
21.	$6:10 + 30$ minutes = 6:40 pm
22.	No. of bags = $3\text{kg} \div 200$ g $= 3000$ g $\div 200$ g = 15 bags
23.	Side = $\sqrt{49} = 7$ cm  or any square with side 7 cm
24.	Total no. of blocks to balance = 180 g $\div 20$ g = 9 blocks No. of blocks to be added to balance = $9 - 2 = 7$ blocks
25.	a. straws used = 12 straws b. pieces of plasticine used = 8
26.	

27.	Cricket - $\text{ } \text{ } \text{ } - 12$ Football - $\text{ } \text{ } \text{ } - 15$ Tennis - $\text{ } - 5$ Karate - $\text{ } \text{ } \text{ } \text{ } - 16$
28.	
29.	$\frac{1}{2}$ of 16 = 8 $8 \times \$10 = \80 $8 \times \$8 = \64 Total money Terry earned = $\$80 + \$64 = \$144$
30.	No. of good glasses = $80 - 8$ broken glasses = 72 No. of boxes = $72 \div 9 = 8$ boxes
31.	Cost of 6 apples = $\$84 - \$48 = \$36$ 1 apple = $\$36 \div 6 = \6 No. of apples Kim bought = $\$84 \div \$6 = 14$ apples
32.	Liz = $72 \times 3 = 216$ cherries Kavi = $216 + 56 = 272$ cherries
33.	Area of backyard = 11 m $\times 6$ m = 66 m ² Area of pond = 28 m ² Area around pond = 66 m ² - 28 m ² = 38 m ²
34.	
35.	Ron should be chosen because he performed the best in the science test.

STANDARD 3 – ENGLISH LANGUAGE ARTS

TEST 1	TEST 2	TEST 3
1. C	1. A	1. D
2. B	2. D	2. A
3. rearrange - rearrange	3. illiterate – illiterate	3. irregular – irregular
4. denied - denied	4. accompanied – accompanied	4. sholder – shoulder
5. peirced - pierced	5. vacasion – vacation	5. preffered – preferred
6. admitted – confessed	6. permanent – lifelong	6. feeble - weak
7. extravagant – thrifty	7. complicated – simple	7. contaminated – clean
8. Teacher discretion	8. Teacher discretion	8. Teacher discretion
9. D	9. C	9. B
10. A	10. B	10. B
11. A	11. D	11. C
12. D	12. C	12. A
13. Aunty, Wok	13. K., The	13. Commissioner, Harewood
14. Jess’, friend’s	14. father’s, Leah’s	14. didn’t, children’s
15. from, to	15. and, because	15. off/over, into
16. A	16. A	16. C
17. galaxy	17. litter	17. pride
18. B	18. D	18. D
19. Teacher discretion	19. Teacher discretion	19. Teacher discretion
20. Teacher discretion	20. Teacher discretion	20. Teacher discretion
21. They’re	21. Could’ve	21. I’d
22. Subject – Travis and I erb – chose	22. Object – the child erb – helped	22. Subject – the bunch of grapes erb - tasted
23. D	23. C	23. A
24. C	24. B	24. C
25. They are both warm-blooded. Their young are born alive. They have blowholes. They are mammals. They eat fish. They use echolocation.	25. Use less energy Recycle Proper disposal of trash	25. Di erence 1: Butterflies may be seen alone, whereas honeybees always work together. Di erence 2: butterflies have colourful wings whereas honeybees have black and yellow stripes.
26. D	26. A	26. B
27. Di erence 1: Dolphins have sharp, cone-shaped teeth, but porpoise teeth are spade-shaped and flatter. Di erence 2: Dolphins enjoy interacting with humans whereas porpoises are much shyer than dolphins, and they tend to avoid human interaction	27. Climate change is the result of too much air pollution from burning fuels like coal, oil and natural gas. This causes the earth to become warmer leading to climate change.	27. Bees and butterflies are in danger of becoming extinct because humans are destroying their habitat and polluting the environment.
28. Consume – eat Interaction - communication	28. Impact – effect Release – flow/set free	28. Work to ether: co-operate Protect: save
29. Teacher discretion	29. Stop using single use plastic bags and containers. Don’t burn garbage. (Teacher’s discretion)	29. I think people would suffer from food shortages because there would be no bees and butterflies to pollinate the flowers of crops that produce food.
30. C	30. B	30. B
31. The slogan of the club is “If you can’t be kind, be quiet”.	31. Action 1: Smoke from factories. Action 2: Burning trash	31. The match is being played at Larry Gomes Stadium.
32. A	32. i. Pictures ii. bold writing	32. C
33. Depression – sadness Pain - Hurt	33. C	33. The schools participating in the competition and their supporters will be interested in the schedule.
34. Info 1 – Meeting venue Info 2 – Meeting time	34. I think “Go Green” means to take action to protect the earth. This can be done by recycling, conserving energy and reducing pollution,	34. Different venues were used so that schools could play their matches close to their schools and not have to travel far distances.