1. Jacob wrote the expression shown.	2. What is the value of this expression?	3. Margaret opened a new case of light bulbs.The case contained 3 boxes of lightbulbs
10 ÷ 5 + 4 (72 – 6)	(18 + 7) X (11-7)	with 8 lightbulbs in each box. • Margaret threw 2 of these lightbulbs in the
What do the parentheses indicate in the expression?	A. 268	trash because they were damaged.The she took 7 of the lightbulbs out of the case.
4 Di il 401 El 6 11: 4	B. 88	Which expression can be used to show that
A. Divide 10 by 5 before adding 4	C. 100	there are 15 lightbulbs still in the case?
B. Multiply 4 by 72 before subtracting 6	D. 275	A. 3 X 8 – 2 + 7
C. Add 5 and 4 together before subtracting 6 from 72		B. 3(8) – 2(7)
D. Subtract 6 from 72 before		C. 3 X 8 – (2 + 7)
multiplying by 4		D. 3 + 8 – 2 + 7
5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS
4. What is the value of this expression?	5. What is the value of this expression?	6. Abigail wrote the expression shown.
[45 - (6 + 3)] X 27	[36 + (3 X 2)] ÷ 6	2 + 4 X (5 + 3)
A. 1,134	A. 7	What do the parentheses indicate in
B. 972	B. 37	the expression?
C. 198	C. 13	A. Multiply 4 times 5 before adding 3
D. 1206	D. 42	B. Add 5 and 3 before multiplying by 4
		C. Add 2 and 4 before multiplying by 5
		D. Multiply 4 times 5 before adding 2
5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS

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1	2	3	4	5	6
D	С	С	В	Α	В
7	8	9	10	11	12

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7.Brooke wrote the expression shown.	8. What is the value of this expression?	9. Creepy Cristabelle made special snack boxes for her 12 pet snakes. Each snack box contained 4
(8 - 4) + 16 ÷ 2	2 + 3 X 4 + 5 X 6	white mice and 6 brown mice. Unfortunately, when she opened up her snake habitat, 10 of her
What do the parentheses indicate in the expression?	A. 150 B. 50	12 pet snakes slithered away. The remaining snakes enjoyed eating the mice in their snack boxes. How many mice ended up getting eaten by Creepy Cristabelle's remaining pet snakes?
A. Add 4 and 16 before dividing by 2. B. Divide 16 by 2 before subtracting 4	C. 35 D. 44	Which expression can be used to show that 20 mice were eaten?
from 8 C. Subtract 4 from 8 before dividing 16 by 2		A. (4 + 6) X (12 – 10) B. 4 + (6 X 12) – 10
D. Divide 8 by 2 and Divide 4 by 2 5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS	C. $(4 + 6 \times 12) - 10$ D. $4 + 6 \times (12 - 10)$ 5.4.F – Simplifying Expressions: Whole Numbers- PS
10. What is the value of this expression?	11. What is the value of this expression?	12. Crystal wrote the expression shown. 12 + 18 ÷ (3 + 2)
$(16 \div 4) + (10 - 3)$	(9 + 11) ÷ (5 + 4 + 1)	What do the parentheses indicate in the expression?
A. 23 B. 11	A. 2 B. 9	A. Divide 18 by 3 before adding 2
C. 9	C. 4	B. Add 3 and 2 before adding 12 and 18.
D. 14	D. 200	C. Add 12 and 18 before adding 3 and 2. D. Divide 18 by 2 before adding 12.
5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS

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Problem Set 2
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1	2	3	4	5	6
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D	C	C	В	Α	1

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13. Emma wrote the expression shown.	14. What is the value of this expression?	15. Stinky Stan had 12 smelly onions in his pantry, and he bought 8 more at the store.
$(12 + 24) \div 2 + 2$	90 – 5 X 5 X 2	He decided to give them as gifts to his 3 sisters and 2 brothers. He wants to give the
What do the parentheses indicate in the expression?	A.160 B. 40 C. 88	same number of onions to each sibling. How many onions should each sibling receive? Which expression can be used to show that
A. Add 2 and 2 before adding 12 and 24.	D. 850	each sibling should receive 4 onions? A. (12 ÷ 2) + (3 X 8)
B. Divide 24 by 2 before adding 12.		B. 12 + 8 ÷ 2 + 3
C. Divide 12 by 2 and add 24 and 2		C. (12 + 8) ÷ (3 + 2)
D. Add 12 and 24 before dividing by 2		D. 12 + (8 ÷ 2) + 3
5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS
16. What is the value of this expression?	17. What is the value of this expression?	18. Dani wrote the expression shown. $(24+6) \div 3 + 5$
[52 + (48 ÷ 8)] + 17	120 – 40 ÷ 4 X 6	What do the parentheses indicate in the expression?
A. 75	A. 120	A. Add 24 and 6 before dividing by 3.
B. 12	B. 104	B. Add 3 and 5 before adding 24 and 6.
C. 29	C. 60	C. Divide 6 by 3 before adding 24.
D. 58	D. 20	D. Divide 6 by 3 before adding 5.
5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS

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Problem Set 3					
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1	2	3	4	5	6
D	С	С	В	A	В

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19. Gabby wrote the expression shown.	20. What is the value of this expression?	21. Creepy Cristabelle found 11 tarantulas in her bedroom and 2 more in her bathroom.
7 x (48 – 3) +5	22 + (96 – 40) ÷ 8	Unfortunately, she accidentally squished 5 of them. She decided to put the rest in 4 shoe
What do the parentheses indicate in the expression?	A. 118 B. 113	boxes she found in her mother's closet. If she wants to put the same number of tarantulas in each box, how many would that be per box?
A. Multiply 7 times 48 before subtracting 3 B. Add 3 and 5 then subtract from 48	C. 97 D. 29	Which expression can be used to show that she should put 2 tarantulas in each box?
B. Add 3 and 5 then Subtract from 48		A. (11 + 5) - 4 ÷ 2
C. Subtract 3 from 48 before		B. (11 + 2 - 5) ÷ 4
multiplying by 7		C. $(11-5) + (4 \div 2)$
D. Subtract 3 from 7 before adding 5 5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS	D. $11 + (5 - 2) \div 4$ 5.4.F – Simplifying Expressions: Whole Numbers- PS
22. What is the value of this expression?	23. What is the value of this expression?	24. Jordyn wrote the expression shown.
expression.	expression.	10 ÷ 5 + 4 (72 – 6)
[(14 + 18) ÷ 4] - 5	8 X 9 + (20 – 6) ÷ 2	What do the parentheses indicate in the expression?
A. 13	A. 43	
B. 37	B. 89	A. Subtract 6 from 72 before dividing 10 by 5.
		B. Add 5 and 4 before multiplying by 72.
C. 8	C. 86	C. Divide 10 by 5 before adding 4
D. 3	D. 79	D. Multiply 72 by 4 before subtracting 6
5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS

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Problem Set 4					
Note: Some parts of these mate	erials are taken directly from releas	sed STAAR tests Copyright © 201	5-2021. Texas Education Agency	. All Rights Reserved. Used by Pe	rmission
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1	2	3	4	5	6
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25. Kim wrote the expression shown.	26. What is the value of this expression?	27. Ridiculous Rachel only eats green apples. She had 9 green apples at her house. Then she went to the store and bought 11 sacks of apples. She lost 6 sacks on her way home. Each of the remaining sacks had 10 apples, but 5 in each bag were red! How many green apples does Rachel have now?		
6 X (3 + 2) ÷ 10	5 ÷ 5 + 4 X 12			
What do the parentheses indicate in	A. 60			
the expression?	B. 49			
A. Multiply 6 times 3 before adding 2	C. 108	Which expression can be used to show that Rachel now has 34 green apples?		
B. Add 3 and 2 before multiplying by 6	D. 5	,		
C. Divide 10 by 2 before adding 3		A. 11 + 6 x 10 - (5 + 9)		
D. Multiply 6 times 10 before dividing		B. (11 – 6) x 10 – 5 + 9 C. (11 – 6) x 10 – (5 + 9)		
by 3 plus 2.		D. (11 – 6) x (10 – (5 + 9)		
5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS		
28. What is the value of this expression?	29. What is the value of this expression?	30. Asher wrote the expression shown.		
expression:	expression:	12 - (3 X 3) + 11		
[6 - (3 X 2)] + 4	(4 X 8) ÷ 2 + 8	What do the parentheses indicate in the expression? A. Subtract 3 from 12 before multiplying by 3. B. Subtract 11 from 12 then multiply by 3. C. Multiply 3 times 3 before subtracting from 12.		
A. 10	A. 4			
B. 4	B. 24			
C. 12	C. 48			
D. 8	D. 3			
		D. Multiply 3 times 11 and then multiply by 3 again.		
5.4.E. Simplifying Evarossions: Whole Numbers DS	5.4.5 Simplifying Expressions: Whole Numbers DS	5.4.E. Simplifying Evarossions: Whole Numbers DS		
5.4.F – Simplifying Expressions: Whole Numbers- PS	5.4.F – Simplifying Expressions: Whole Numbers- PS	again. 5.4.F – Simplifying Expressions: Whole Numbers- PS		

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Problem Set 5	
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