Rules for Pest

Object of the game: Build a "hand" of cards that scores the most points.

Materials needed:

- Deck of "Pest" cards, well-shuffled
- Score cards – One for each player
- Dry erase pens & erasers

To play:

Shuffle Pest Cards and place them in a stack, problem side up where everyone can reach therm.

Take turns drawing from the pile and answering the questions. If you get the question correct, you keep the card. If you get it wrong, the card goes back to the bottom of the stack.

If you get a "Free" card, you can keep it or trade it with another person who has something you need. The other person has to agree to the trade.

To win: At the end of the game (when time is up or all cards are gone) , add up points according to the score card. Player with the most points wins.

Scoring:

- 3 points for each 4 of a kind
- 2 points for each 3 of a kind
- 1 point for each 2 of a kind
- 0 points for single cards

Printing: Landscape, grayscale, 2-sided, flip on short side, laminate to use dry erase.

Unit: 5th – Simplifying Expressions
5.4.F – Simplifying Expressions: Whole Numbers
Pest

1 **D**	2 **C**	3 **C**	4 **B**	5 **A**	6 **B**
7 **C**	8 **D**	9 **A**	10 **B**	11 **A**	12 **B**
13 **D**	14 **B**	15 **C**	16 **A**	17 **C**	18 **A**
19 **C**	20 **D**	21 **B**	22 **D**	23 **D**	24 **A**
25 **B**	26 **B**	27 **D**	28 **B**	29 **B**	30 **C**

Scorecard

_____- 4 of a kind X 3 points = ____

_____- 3 of a kind X 2 points = ____

_____- 2 of a kind X 1 points = ____

Total points = ____

Scorecard

_____- 4 of a kind X 3 points = ____

_____- 3 of a kind X 2 points = ____

_____- 2 of a kind X 1 points = ____

Total points = ____

Scorecard

_____- 4 of a kind X 3 points = ____

_____- 3 of a kind X 2 points = ____

_____- 2 of a kind X 1 points = ____

Total points = ____

Scorecard

_____- 4 of a kind X 3 points = ____

_____- 3 of a kind X 2 points = ____

_____- 2 of a kind X 1 points = ____

Total points = ____

Free Ant!

You can keep this free ant or trade it for another pest with someone who wants an ant.

Free snail!

You can keep this free snail or trade it for another pest with someone who wants a snail.

Free mosquito!

You can keep this free mosquito or trade it for another pest with someone who wants a mosquito.

Free Rat!

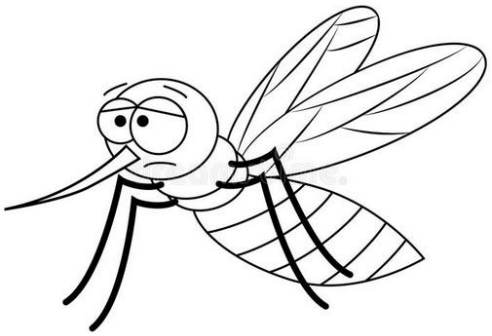
You can keep this free rat or trade it for another pest with someone who wants a rat.

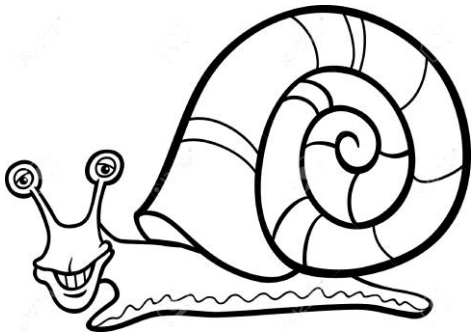
Free bat!

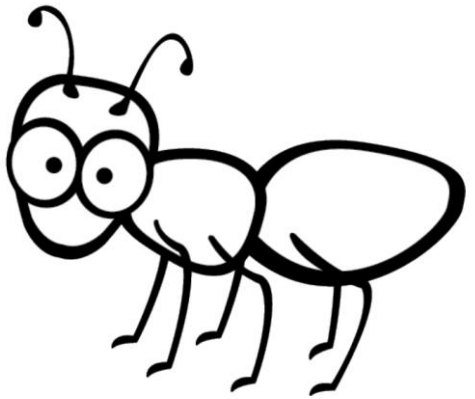
You can keep this free bat or trade it for another pest with someone who wants a Bat.

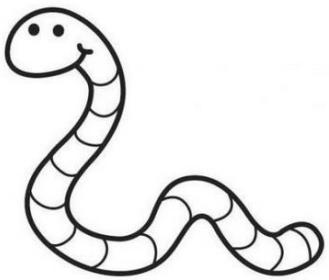
Free worm!

You can keep this free worm or trade it for another pest with someone who wants a worm.









1. Jacob wrote the expression shown.

$10 \div 5 + 4 (72 - 6)$

What do the parentheses indicate in the expression?

A. Divide 10 by 5 before adding 4

B. Multiply 4 by 72 before subtracting 6

C. Add 5 and 4 together before subtracting 6 from 72

D. Subtract 6 from 72 before multiplying by 4

2. What is the value of this expression?

$(18 + 7) \times (11-7)$

A. 268

B. 88

C. 100

D. 275

3. Margaret opened a new case of light bulbs.

- The case contained 3 boxes of lightbulbs with 8 lightbulbs in each box.
- Margaret threw 2 of these lightbulbs in the trash because they were damaged.
- The she took 7 of the lightbulbs out of the case.

Which expression can be used to show that there are 15 lightbulbs still in the case?

A. $3 \times 8 - 2 + 7$

B. $3(8) - 2(7)$

C. $3 \times 8 - (2 + 7)$

D. $3 + 8 - 2 + 7$

4. What is the value of this expression?

$[45 - (6 + 3)] \times 27$

A. 1,134

B. 972

C. 198

D. 1206

5. What is the value of this expression?

$[36 + (3 \times 2)] \div 6$

A. 7

B. 37

C. 13

D. 42

6. Abigail wrote the expression shown.

$2 + 4 \times (5 + 3)$

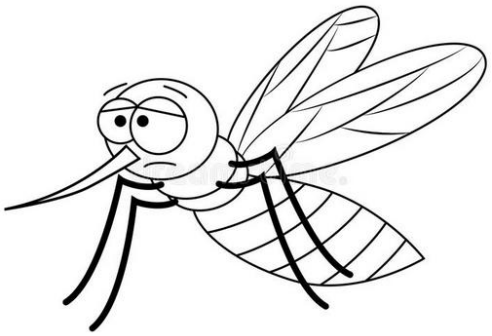
What do the parentheses indicate in the expression?

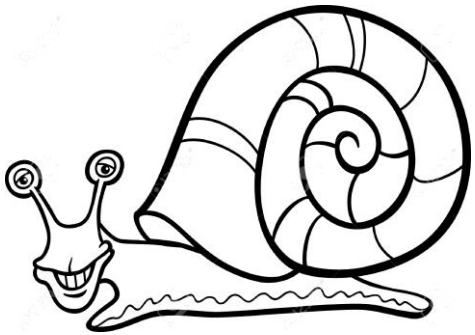
A. Multiply 4 times 5 before adding 3

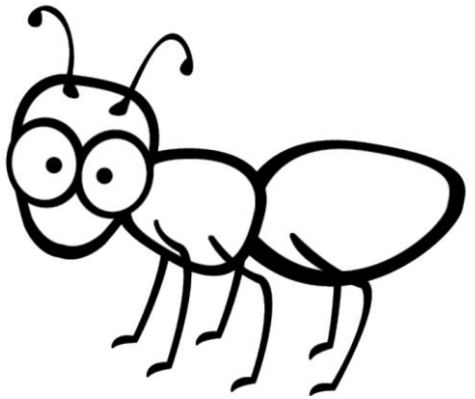
B. Add 5 and 3 before multiplying by 4

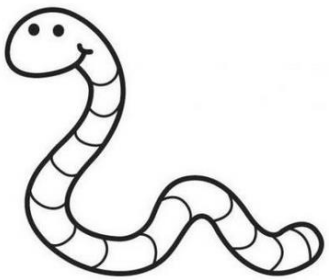
C. Add 2 and 4 before multiplying by 5

D. Multiply 4 times 5 before adding 2









7.Brooke wrote the expression shown.

$(8 – 4) + 16 \div 2$

What do the parentheses indicate in the expression?

A. Add 4 and 16 before dividing by 2.

B. Divide 16 by 2 before subtracting 4 from 8

C. Subtract 4 from 8 before dividing 16 by 2

D. Divide 8 by 2 and Divide 4 by 2

8. What is the value of this expression?

$2 + 3 \times 4 + 5 \times 6$

A. 150

B. 50

C. 35

D. 44

9. Creepy Cristabelle made special snack boxes for her 12 pet snakes. Each snack box contained 4 white mice and 6 brown mice. Unfortunately, when she opened up her snake habitat, 10 of her 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?

Which expression can be used to show that 20 mice were eaten?

A. $(4 + 6) \times (12 – 10)$

B. $4 + (6 \times 12) – 10$

C. $(4 + 6 \times 12) – 10$

D. $4 + 6 \times (12 – 10)$

10. What is the value of this expression?

$(16 \div 4) + (10 – 3)$

A. 23

B. 11

C. 9

D. 14

11. What is the value of this expression?

$(9 + 11) \div (5 + 4 + 1)$

A. 2

B. 9

C. 4

D. 200

12. Crystal wrote the expression shown.

$12 + 18 \div (3 + 2)$

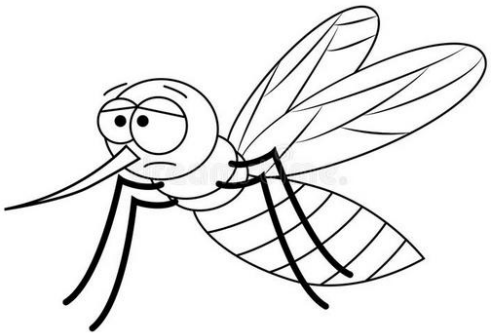
What do the parentheses indicate in the expression?

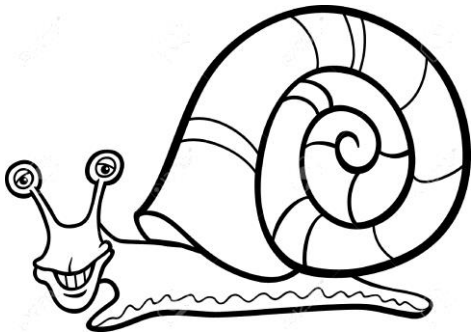
A. Divide 18 by 3 before adding 2

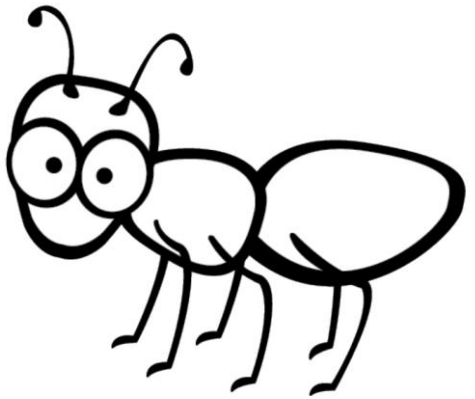
B. Add 3 and 2 before adding 12 and 18.

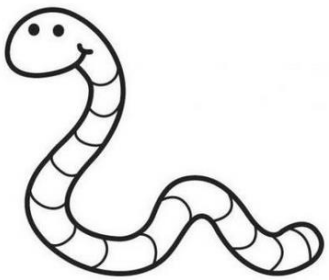
C. Add 12 and 18 before adding 3 and 2.

D. Divide 18 by 2 before adding 12.









13. Emma wrote the expression shown.

(12 + 24) ÷ 2 + 2

What do the parentheses indicate in the expression?

A. Add 2 and 2 before adding 12 and 24.

B. Divide 24 by 2 before adding 12.

C. Divide 12 by 2 and add 24 and 2

D. Add 12 and 24 before dividing by 2

14. What is the value of this expression?

90 – 5 X 5 X 2

A.160

B. 40

C. 88

D. 850

15. Stinky Stan had 12 smelly onions in his pantry, and he bought 8 more at the store. He decided to give them as gifts to his 3 sisters and 2 brothers. He wants to give the same number of onions to each sibling. How many onions should each sibling receive?

Which expression can be used to show that each sibling should receive 4 onions?

A. (12 ÷ 2) + (3 X 8)

B. 12 + 8 ÷ 2 + 3

C. (12 + 8) ÷ (3 + 2)

D. 12 + (8 ÷ 2) + 3

16. What is the value of this expression?

[52 + (48 ÷ 8)] + 17

A. 75

B. 12

C. 29

D. 58

17. What is the value of this expression?

120 – 40 ÷ 4 X 6

A. 120

B. 104

C. 60

D. 20

18. Dani wrote the expression shown.

(24 + 6) ÷ 3 + 5

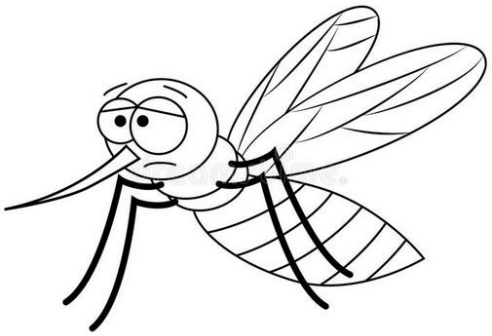
What do the parentheses indicate in the expression?

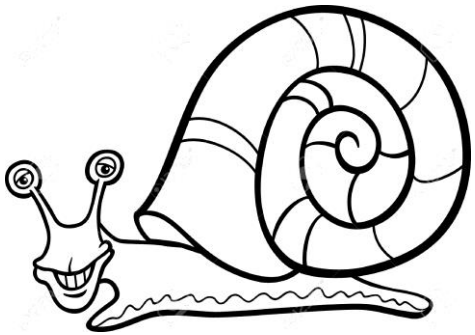
A. Add 24 and 6 before dividing by 3.

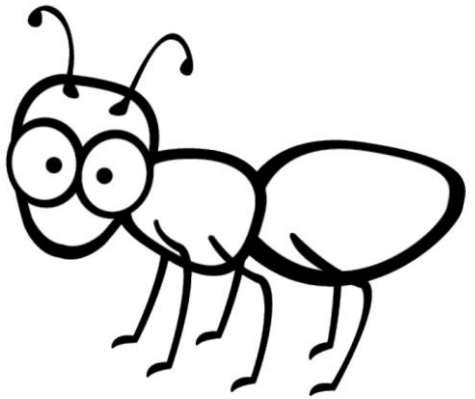
B. Add 3 and 5 before adding 24 and 6.

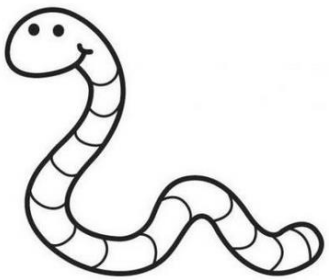
C. Divide 6 by 3 before adding 24.

D. Divide 6 by 3 before adding 5.









19. Gabby wrote the expression shown.

7 x (48 – 3) +5

What do the parentheses indicate in the expression?

A. Multiply 7 times 48 before subtracting 3

B. Add 3 and 5 then subtract from 48

C. Subtract 3 from 48 before multiplying by 7

D. Subtract 3 from 7 before adding 5

20. What is the value of this expression?

22 + (96 – 40) ÷ 8

A. 118

B. 113

C. 97

D. 29

21. Creepy Cristabelle found 11 tarantulas in her bedroom and 2 more in her bathroom. Unfortunately, she accidentally squished 5 of them. She decided to put the rest in 4 shoe 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?

Which expression can be used to show that she should put 2 tarantulas in each box?

A. (11 + 5) – 4 ÷ 2

B. (11 + 2 – 5) ÷ 4

C. (11– 5) + (4 ÷ 2)

D. 11 + (5 – 2) ÷ 4

22. What is the value of this expression?

[(14 + 18) ÷ 4] - 5

A. 13

B. 37

C. 8

D. 3

23. What is the value of this expression?

8 X 9 + (20 – 6) ÷ 2

A. 43

B. 89

C. 86

D. 79

24. Jordyn wrote the expression shown.

10 ÷ 5 + 4 (72 – 6)

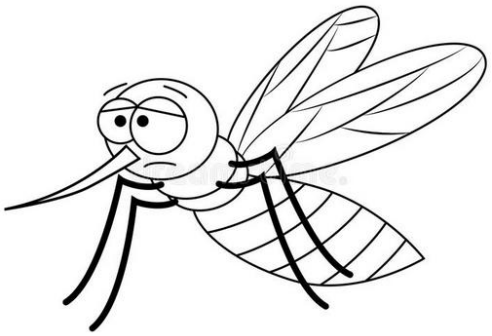
What do the parentheses indicate in the expression?

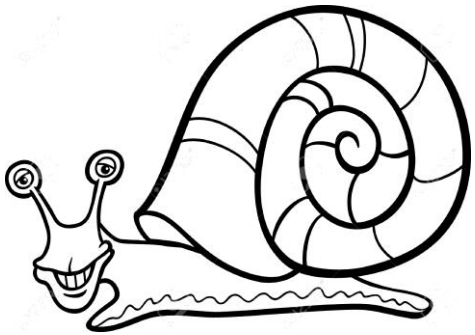
A. Subtract 6 from 72 before dividing 10 by 5.

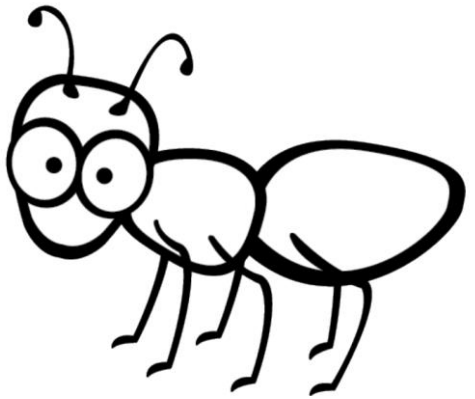
B. Add 5 and 4 before multiplying by 72.

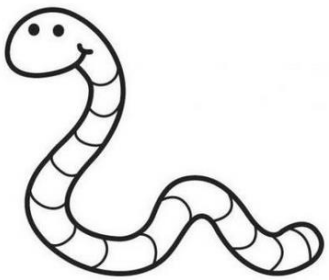
C. Divide 10 by 5 before adding 4

D. Multiply 72 by 4 before subtracting 6









25. Kim wrote the expression shown.

6 X (3 + 2) ÷ 10

What do the parentheses indicate in the expression?

A. Multiply 6 times 3 before adding 2

B. Add 3 and 2 before multiplying by 6

C. Divide 10 by 2 before adding 3

D. Multiply 6 times 10 before dividing by 3 plus 2.

26. What is the value of this expression?

5 ÷ 5 + 4 X 12

A. 60

B. 49

C. 108

D. 5

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?

Which expression can be used to show that Rachel now has 34 green apples?

A. 11 + 6 x 10 – (5 + 9)

B. (11 – 6) x 10 – 5 + 9

C. (11 – 6) x 10 – (5 + 9)

D. (11 – 6) x (10 – 5) + 9

28. What is the value of this expression?

[6 - (3 X 2)] + 4

A. 10

B. 4

C. 12

D. 8

29. What is the value of this expression?

(4 X 8) ÷ 2 + 8

A. 4

B. 24

C. 48

D. 3

30. Asher wrote the expression shown.

12 – (3 X 3) + 11

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.

D. Multiply 3 times 11 and then multiply by 3 again.