

- I. Counting and Whole Numbers
- II. Operations With Whole Numbers
- III. Algebraic Expressions
- IV. Simplify Expressions With Parentheses

Homeschool



Honor Roll

Learn ~ Persevere ~ Succeed

Integrated Pre-Algebra and Geometry

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There are a few things you are expected to do during the lesson videos.

1. Write down **everything** the teacher writes.
2. Rewind and Relisten to the video if you miss information
3. Keep all your notes in one place, neatly organized by lesson number.

$$\begin{array}{r} 2x + 2y - z = 7 \\ -x - 2y + 2z = -6 \\ -2x - 4y + 3z = -9 \end{array}$$

Check $x=4$
 $y=-2$
 $z=-3$

$$\begin{array}{r} -x - 2y + 2z = -6 \\ -4 - 2(-2) + 2(-3) = -6 \\ -4 + 4 - 6 = -6 \\ -6 = -6 \checkmark \end{array}$$

A + 2B

$$\begin{array}{r} 2x + 2y - z = 7 \\ -2x - 4y + 4z = -12 \\ -2y + 3z = -5 \end{array}$$

$$\begin{array}{r} -2x - 4y + 3z = -9 \\ -2(4) - 4(-2) + 3(-3) = -7 \\ -8 + 8 - 9 = -7 \\ -9 = -7 \checkmark \end{array}$$

A + C

$$\begin{array}{r} 2x + 2y - z = 7 \\ -2x - 4y + 3z = -9 \\ -2y + 2z = -2 \end{array}$$

$$\begin{array}{r} -2y + 3z = -5 \\ -2y + 2z = -2 \\ \hline z = -3 \end{array}$$

$$\begin{array}{r} -2y + 3z = -5 \\ -2y + 3(-3) = -5 \\ -2y - 9 = -5 \\ -2y = -5 + 9 \\ -2y = 4 \\ y = -2 \end{array}$$

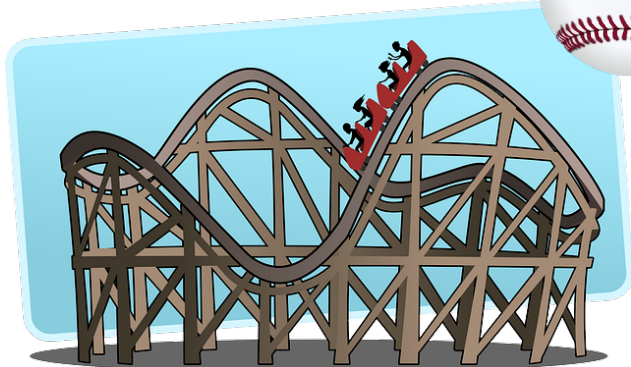
Solve for x

$$\begin{array}{r} 2x + 2y - z = 7 \\ 2x + 2(-2) - (-3) = 7 \\ 2x - 4 + 3 = 7 \\ 2x - 1 = 7 \\ 2x = 8 \\ x = 4 \end{array}$$

Show All Work

When possible, check your answer.

Write the Units



Lesson # 1	Arithmetic with Whole Numbers		Date
I. Counting Numbers and Whole Numbers			
The counting numbers:			
Write the counting numbers as: _____			
The whole numbers:			
Write the whole numbers as: _____			
II. Addition with Whole Numbers			
Addition: 7 + 8 =	Words For Addition	Reminders For Addition	
Add: 50 + 125 + 3060	Add: 68 + 321 + 4759		
III. Subtraction with Whole Numbers			
Subtraction: 10 - 6 =	Words For Subtraction	Reminders For Subtraction	

Subtract: 1083-729

Subtract: 9804 - 562

Write forty-five divided by 5 using four different symbols.

Divide: 408 / 6

Use this space for Question #12

Mathematical Equations

What is the quotient of the product of 10 and 5 and the sum of 18 and 7?

math statement, simplify within the

+ 8)

25 ÷ (5 x 1)

8 x (16 ÷ 4)

VIII. Practice

17

18

20

22

24

26

28

30

I. Counting Numbers and Whole Numbers

The counting numbers:

Write the counting numbers as: _____

The whole numbers:

Write the whole numbers as: _____

Answer questions on the website:

Reminders: not all questions are on the
notes page

If answer wrong- can try again... same
question each time question worth .25
(since you were given correct answer
you can read the explanation, then enter
the correct answer. This is learning time

(This question is not on your notes page.)

The counting numbers are the numbers used to count. Since the numbers never end place three dots at the end of the list to show it continues forever. The three dots are referred to as an ellipse.

Put the first counting numbers in order, followed by an ellipse to show they continue without end.

.4	.5	.3	...	.6	.2	1
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Check

Question 1

Not complete

Marked out of 0.25

Flag question

Edit question

(This question is not on your notes page.)

The whole numbers are the counting numbers and the number zero. The whole numbers never end, therefore at the end of the list write three dots, called an ellipse, to show they continue forever.

Put the first whole numbers in order, followed by an ellipse to show they continue without end.

.5	.3	0	.4	.2	.1	...
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Check

Question 2

Not complete

Marked out of 0.25

Flag question

Edit question

II. Addition with Whole Numbers

Addition:

$$4265 + 183$$

Words For Addition

Reminders For Addition

3. Add: $50 + 125 + 3060$

4. Add: $68 + 321 + 4759$

Number in red tells that
The question is in your notes
Reminder to show work.
Also – check the answer
and make sure you
understand how to
solve the question.

3. Add: $50 + 125 + 3060$

$$50 + 125 + 3060 = \square$$

Check

III. Subtraction with Whole Numbers

Subtraction:

$$5102 - 613$$

Words For Subtraction

Reminders For Subtraction

5. Subtract: $1083 - 729$

6. Subtract: $9804 - 562$

IV. Multiplication with Whole Numbers

Multiplication:

$$423 \times 160$$

Words For Multiplication:

Reminders For
Multiplication:

7. Write five times eleven using four different symbols.

8. Multiply: 982×67

V. Division with Whole Numbers

Division:

$$2046 \div 15$$

Words For Division:

Reminders For Division:

9. Write forty-five divided by 5 using four different symbols.

10. Divide: $408 / 6$

11. Divide $435 \div 7$

12.

Blue numbers refer to questions
Worth 1 pt. You can try
different questions until you

understand and get it correct

9. Write forty-five divided by 6
using four different symbols.

10. Divide $408 \div 6$

The blue numbers do not display on the
Screen because the questions are randomized
For example – there may be 45 questions
that could be number 15.

11. Divide $435 \div 7$

12.

11. Divide $435 \div 7$

12.

VI. Change Word Sentences to Mathematical Equations

What is the result when the sum of 7 and 4 is subtracted from the product of 9 and 3?

What is the quotient of the product of 10 and 5 and the sum of 18 and 7?

15. When the product of 44 and 5 is divided by the sum of 12 and 10, what is the quotient?

16. When the sum of 6 and 7 is subtracted from the product of 8 and 2, what is the difference?

Expectations for showing steps!



VII. Parentheses

When parentheses are in a math statement, simplify within the parentheses first.

$$11 + (3 + 4)$$

$$20 - (6 + 8)$$

$$25 \div (5 \times 1)$$

$$8 \times (16 \div 4)$$

VIII. Practice

17

18

19

20

21

22