

Summer Math Packet for Rising 7th Graders Going to Pre-Algebra

Name: _____

Dear Parents,

This summer Math packet is designed to review basic math skills needed to be successful in Pre-Algebra. As this packet covers basic skills, students should not use calculators. Please sign below to indicate that your child did not use a calculator of any sort (iPad, computer, etc...). Please encourage your child to do their very best on this packet as it will be counted as a grade. It is due on the first day of school.

My student _____ did not use a calculator on this packet.

Parent signature: _____

Integer Rules	
<p style="text-align: center;"><u>Adding</u></p> <p style="text-align: center;">Same Signs Add and Keep the Sign</p> <p style="text-align: center;">$13 + 35 = 48$ $-5 + -23 = -28$</p>	<p style="text-align: center;"><u>Subtract</u></p> <p style="text-align: center;">Copy, Change, Opposite Then add</p> <p style="text-align: center;">$-65 - 24 =$ $-65 + -24 = -89$</p>
<p style="text-align: center;"><u>Adding</u></p> <p style="text-align: center;">Different Signs Subtract and Take Sign of Number with Larger Abs. Value</p> <p style="text-align: center;">$-13 + 35 = 22$</p>	<p style="text-align: center;"><u>Multiply & Divide</u></p> <p style="text-align: center;">Same Signs Positive Answer Different Signs Negative Answer</p>

ORDER OF OPERATIONS

- (P) **Parenthesis**
- E^x **Exponents**
- M/D **Multiply or Divide**
 *from left to right in the problem
- A/S **Add or Subtract**
 *from left to right
 *of course

Name : _____

Score : _____

Order of Operations

Solve.

1) $58 - (16 \div 4)$

Ans =

2) $(18 + 12) - 27 \div 3$

Ans =

3) $40 \div (4 \times 2) - 7$

Ans =

4) $36 \div (28 - 16)$

Ans =

5) $(55 \div 11) + 67$

Ans =

6) $(18 + 10) - 2 \times 3$

Ans =

7) $(35 \times 2) + 14$

Ans =

8) $50 \div 2 - (8 \times 9)$

Ans =

9) $8 + (7 \times 9) - 12$

Ans =

10) $(54 + 14) \div 2$

Ans =

Student Name: _____

Score: _____

Simplify the Integers

$(+24) - (-83) =$	$(-81) \div (+27) =$	$(+78) + (+93) =$
$(-67) + (+51) =$	$(+40) + (-85) =$	$(-65) \div (+13) =$
$(+90) \div (+15) =$	$(-52) - (+74) =$	$(-10) \times (+87) =$
$(-11) \times (-90) =$	$(+69) \times (+14) =$	$(-12) - (-58) =$
$(+52) + (-18) =$	$(-98) + (+99) =$	$(+23) + (+76) =$
$(-84) \div (+21) =$	$(+40) \div (-10) =$	$(-60) \div (+10) =$
$(+13) \times (-62) =$	$(-16) - (-19) =$	$(+85) - (-42) =$
$(+78) + (-78) =$	$(+27) \times (-12) =$	$(-19) + (-19) =$
$(-53) - (-14) =$	$(-66) \div (+22) =$	$(+23) \times (-12) =$
$(+90) + (-64) =$	$(+14) \div (+14) =$	$(-47) - (+70) =$

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Solving Equations

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Solve for x. SHOW YOUR WORK!

1. $x + \frac{1}{2} = \frac{3}{4}$	2. $3x = 27$
3. $-4x = 16$	4. $\frac{x}{-4} = 15$
5. $\frac{x}{3} = 12$	6. $4x - 12 = 48$
7. $-5x + 20 = -15$	8. $\frac{x}{9} + 2 = 7$
9. $3x + 14 = 11$	10. $\frac{x}{19} - 2 = -5$