

Summer Math Packet for Rising 7th Graders

Name: _____

Dear Students and Parents,

I am very excited about our upcoming year together! I have created this math packet for you to work over the summer. It contains problems that I think you will know based on things that you have learned in 7th grade. It is designed to review the math skills needed to be successful next year.

The calculations in this packet DO NOT require a calculator – so students are not permitted to use a calculator while working on this packet. Please use the space provided to neatly show your work.

Please do your very best on this packet. It will count as your first test grade. It is **due on the first full day of school, Monday, August 10th.**

I can't wait to see you in the fall!

Student Signature: _____

Parent Signature: _____



Integer Rules



Adding

Same Signs
Add and Keep
the Sign

$$13 + 35 = 48$$

$$-5 + -23 = -28$$

Subtract

Copy, Change,
Opposite
Then add

$$-65 - 24 =$$

$$-65 + -24 = -89$$

Adding

Different Signs
Subtract and
Take Sign of
Number with Larger
Abs. Value

$$-13 + 35 = 22$$

Multiply &

Divide

Same Signs
Positive Answer

Different Signs
Negative Answer

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) $6 + 42 \div 2 - 15$

Ans =

2) $36 - 10 \times 2 \div 5 - 11$

Ans =

3) $25 \times 2 - 42 \div 6 + 18$

Ans =

4) $3 + 32 \div 8 - 9$

Ans =

5) $8 + 9 - 2 \times 3$

Ans =

6) $4 - 6 \times 2 \div 2 + 2$

Ans =

7) $12 \div 2 \times 6 + 4 - 3$

Ans =

8) $63 \div 7 \times 3 - 4$

Ans =

9) $4 + 8 - 5 \times 6$

Ans =

10) $5 + 36 \div 2 \times 3 - 4$

Ans =

Summer Math Packet

Solving Equations

Name: _____

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. $\frac{x}{19} - 2 = -5$

Student Name: _____

Score: _____

Simplify the Integers

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

