

## Summer Math Packet for Rising 7<sup>th</sup> 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 7<sup>th</sup> 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.**

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

Student Signature: \_\_\_\_\_

Parent Signature: \_\_\_\_\_



# Integer

## Rules



<p><b><u>Adding</u></b>  <b>Same Signs</b>  <b>Add and Keep the Sign</b>  <math>18 + 35 = 49</math>  <math>-5 + -23 = -28</math></p>	<p><b><u>Subtract</u></b>  <b>Copy, Change, Opposite</b>  <b>Then add</b>  <math>-65 - 24 =</math>  <math>-65 + -24 = -89</math></p>
<p><b><u>Adding</u></b>  <b>Different Signs</b>  <b>Subtract and Take Sign of Number with Larger Abs. Value</b>  <math>-18 + 35 = 22</math></p>	<p><b><u>Multiply &amp; Divide</u></b>  <b>Same Signs</b>  <b>Positive Answer</b>  <b>Different Signs</b>  <b>Negative Answer</b></p>

### ORDER OF OPERATIONS

- (P) Parenthesis
- E<sup>x</sup> 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 =

## Operations with Fractions (A)

Calculate the answer to each question.

1.  $\frac{7}{3} \times \frac{13}{8}$

2.  $\frac{9}{8} + \frac{5}{7}$

3.  $\frac{9}{3} - \frac{1}{6}$

4.  $\frac{23}{14} + \frac{20}{19}$

5.  $\frac{20}{5} - \frac{15}{14}$

6.  $\frac{5}{11} \div \frac{26}{11}$

7.  $\frac{1}{7} \times \frac{29}{18}$

8.  $\frac{43}{19} \div \frac{2}{3}$

9.  $\frac{37}{7} - \frac{5}{2}$

10.  $\frac{2}{5} + \frac{2}{5}$

## 3-Digit by 2-Digit Multiplication (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Calculate each product.

$$\begin{array}{r} 529 \\ \times 65 \\ \hline \end{array}$$

$$\begin{array}{r} 279 \\ \times 86 \\ \hline \end{array}$$

$$\begin{array}{r} 300 \\ \times 73 \\ \hline \end{array}$$

$$\begin{array}{r} 101 \\ \times 67 \\ \hline \end{array}$$

$$\begin{array}{r} 904 \\ \times 51 \\ \hline \end{array}$$

$$\begin{array}{r} 616 \\ \times 41 \\ \hline \end{array}$$

$$\begin{array}{r} 604 \\ \times 88 \\ \hline \end{array}$$

$$\begin{array}{r} 187 \\ \times 59 \\ \hline \end{array}$$

$$\begin{array}{r} 720 \\ \times 89 \\ \hline \end{array}$$

$$\begin{array}{r} 860 \\ \times 22 \\ \hline \end{array}$$

$$\begin{array}{r} 749 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 295 \\ \times 35 \\ \hline \end{array}$$

$$\begin{array}{r} 784 \\ \times 93 \\ \hline \end{array}$$

$$\begin{array}{r} 193 \\ \times 57 \\ \hline \end{array}$$

$$\begin{array}{r} 257 \\ \times 21 \\ \hline \end{array}$$

Score: /20

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 =