

6th Grade Summer Reading Assignment Packet

For 5th Grade Students Entering 6th Grade

Welcome to Middle School!

This summer, you will complete the following assignments to reinforce your ELA skills in order to prepare for the upcoming 2021-2022 school year. Be sure to follow the instructions for each section carefully. For your reference, a checklist outlining the assignments is provided. A grading rubric is also enclosed. Please note, this summer reading packet will count for one of the first grades of the first quarter. **These assignments are due no later than Friday, September 10th.**

Overview of Assignments:

- Part 1: Book Project
 - Title:
 - Author:
 - Selected Written Assignment:
 - Selected Hands-On Project:
 - Part 2: IXL
 - Part 3: Read Works
-

Part 1- Book Project

Please select ONE of the following books to read:

- Wonder* by R.J. Palacio
- Island of the Blue Dolphins* by Scott O'Dell
- Beetle Boy* by M.G. Leonard

Once you have selected one of the above books and completed it, please choose TWO activities from the Choice Board below. Be sure to select one writing activity and one hands-on project.

Writing Assignment (Select One)	Hands-On Projects (Select One)
<p><input type="checkbox"/> Book Review: Write a one page review of the book. Explain why you would (or wouldn't) recommend the book to your peers. Please use supporting details.</p>	<p><input type="checkbox"/> Comic Strip: Using 8 ½" by 11" paper (computer paper) turned horizontally, create a comic strip with a minimum of eight boxes highlighting the major events of the book. Detail each box with relevant characters, captions and setting.</p>
<p><input type="checkbox"/> Compare/Contrast: Write a one page analysis describing the similarities and differences between the main character from your summer book to a character from another book you have previously read. Be sure to use supporting details.</p>	<p><input type="checkbox"/> Collage: Using magazines or the internet, gather pictures that represent your book (images that represent the characters, setting, conflict, theme, etc). Then create a collage on poster board. One side of the poster board should be completely covered with images. On the back of the poster board, choose five of the pictures you used and explain how they relate to the book.</p>
<p><input type="checkbox"/> Diary Entry: Write a one page diary entry from the perspective of the main character in the book. The entry should include the character's thoughts and feelings regarding the conflict in the book.</p>	<p><input type="checkbox"/> Diorama: Using a small box (a shoebox or one about the size of a shoebox), recreate your favorite scene in the book. Please do not use printed images. Each item within your diorama should be original and created by YOU! On the back of the diorama, please write one paragraph explaining why the moment you chose for your diorama was your favorite.</p>

For grading, see the attached rubric.

All written assignments must be typed, double-spaced, Times New Roman, Size 12 font. The following heading must be included at the top of your written project.

Name

Due Date

SMS

ELA-6th Grade

Part 2: IXL

Students will complete ten IXL Skills over the summer. Please note some skills may have been completed previously. However, each student is required to complete these again for reinforcement. Students should log onto IXL using the username and password which was provided during the school year. To access the assigned topics, students should click on the grade 5 tab under Learning. Be sure Language Arts is highlighted. Then find the letter and number that corresponds to each topic listed below. Students should have a Smart Score of at least 95 for each skill.

IXL will be graded out of 100=10 points per topic completed.

Grading: Students will receive 10 points for each Smart Score of 95 or higher.

IXL 5th Grade Language Arts Skill	Checkmark for Completion
A.1: Use key details to determine the main idea	
A.2: Determine the main idea of a passage	
R.1: Choose the best topic sentence	

DD.2: Use the correct homophone	
JJ.6: Is it a complete sentence, a fragment, or a run-on?	
KK.5: Form plurals: review	
KK.7: Identify plurals, singular possessives, and plural possessives	
OO.1: Is the sentence in the past, present, or future tense?	
PP.6: Is the word an adjective or adverb?	
UU.1: Correct capitalization errors	

Part 3: Read Works

1. Go to www.readworks.org/student
2. Sign in with your SMS Google account.
3. Enter class code **T2QZ2M**
4. Complete the two assigned reading passages: "Why Is It Colder in the Winter Than in the Summer" & "Earth Science- Volcanoes"-Read the articles and complete the question sets. Be sure to use complete sentences for written response questions.

Grading: Students will be scored on the accuracy of their responses to the comprehension questions through the Read Works program.

New Jersey Holistic Scoring Rubric for Essay Writing—6pt

Scoring Criteria	Command					
	Inadequate Command 1	Limited Command 2	Partial Command 3	Adequate Command 4	Strong Command 5	Superior Command 6
CONTENT & ORGANIZATION <ul style="list-style-type: none"> Communicates intended message to intended audience Relates to topic Opening and closing Focused Logical progression of ideas Transitions Appropriate details and information 	<ul style="list-style-type: none"> May lack opening and/or closing Minimal response to topic; uncertain focus 	<ul style="list-style-type: none"> May lack opening and/or closing Attempts to focus May drift or shift focus 	<ul style="list-style-type: none"> May lack opening and/or closing Usually has single focus 	<ul style="list-style-type: none"> Generally has opening/closing Single focus 	<ul style="list-style-type: none"> Opening and closing Single focus Sense of unity and coherence Key ideas developed 	<ul style="list-style-type: none"> Opening and closing Single, distinct focus Unified and coherent Well-developed
	<ul style="list-style-type: none"> No planning evident; disorganized 	<ul style="list-style-type: none"> Attempts organization Few, if any, transitions between ideas 	<ul style="list-style-type: none"> Some lapses or flaws in organization May lack some transitions between ideas 	<ul style="list-style-type: none"> Ideas loosely connected Transition evident 	<ul style="list-style-type: none"> Logical progression of ideas Moderately fluent Attempts compositional risks 	<ul style="list-style-type: none"> Logical progression of ideas Fluent, cohesive Compositional risks successful
USAGE <ul style="list-style-type: none"> Tense formation Subject-verb agreement Pronouns usage/agreement Word choice/meaning Proper modifiers 	<ul style="list-style-type: none"> No apparent control Severe/numerous errors 	<ul style="list-style-type: none"> Numerous errors 	<ul style="list-style-type: none"> Errors/ patterns of errors may be evident 	<ul style="list-style-type: none"> Some errors that do not interfere with meaning 	<ul style="list-style-type: none"> Few errors 	<ul style="list-style-type: none"> Very few, if any, errors
	<ul style="list-style-type: none"> Details random, inappropriate, or barely apparent 	<ul style="list-style-type: none"> Details lack elaboration, i.e., highlight paper 	<ul style="list-style-type: none"> Repetitious details Several unelaborated details 	<ul style="list-style-type: none"> Uneven development of details 	<ul style="list-style-type: none"> Details appropriate and varied 	<ul style="list-style-type: none"> Details effective, vivid, explicit, and/or pertinent
SENTENCE CONSTRUCTION <ul style="list-style-type: none"> Variety of type, structure, and length Correct construction 	<ul style="list-style-type: none"> Assortment of incomplete and/or incorrect sentences 	<ul style="list-style-type: none"> Excessive monotony/ same structure Numerous errors 	<ul style="list-style-type: none"> Little variety in syntax Some errors 	<ul style="list-style-type: none"> Some errors that do not interfere with meaning 	<ul style="list-style-type: none"> Few errors 	<ul style="list-style-type: none"> Very few, if any, errors
	<ul style="list-style-type: none"> Errors so severe they detract from meaning 	<ul style="list-style-type: none"> Numerous serious errors 	<ul style="list-style-type: none"> Patterns of errors evident 	<ul style="list-style-type: none"> No consistent pattern of errors Some errors that do not interfere with meaning 	<ul style="list-style-type: none"> Few errors 	<ul style="list-style-type: none"> Very few, if any, errors
MECHANICS <ul style="list-style-type: none"> Spelling Capitalization Punctuation 	<ul style="list-style-type: none"> Errors so severe they detract from meaning 	<ul style="list-style-type: none"> Numerous serious errors 	<ul style="list-style-type: none"> Patterns of errors evident 	<ul style="list-style-type: none"> No consistent pattern of errors Some errors that do not interfere with meaning 	<ul style="list-style-type: none"> Few errors 	<ul style="list-style-type: none"> Very few, if any, errors
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Non-Scorable Responses	NR = No Response	Student wrote too little to allow judgment of his/her writing.		NE = Not English	Student wrote in a language other than English.
	OT = Off Topic/ Off Task	Student did not write on the assigned topic/task or the student attempted to copy the prompt.		WF = Wrong Format	Student refused to write on the topic, or the writing task folder was blank.



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June 14, 2021

Dear Incoming Grade 6 Students:

Congratulations, and welcome to the Sixth Grade! This summer, you will complete the following **2 assignments** to reinforce your Math skills in order to prepare for the upcoming 2021-2022 school year. For your reference, a checklist outlining the assignments is provided.

These assignments are due no later than **Friday, September 10th**.

In addition to these 2 assignments, I would recommend that you continue to practice the Recommended Skills in **IXL** and work on the My Path activities in **i-Ready**.

I will post additional (nonmandatory) practice assignments and extra help websites in my Google Classroom and on my SMS site as well.

Thank you for your cooperation. I am looking forward to working with you next year.

Enjoy your summer! God bless you!

Mrs. Patricia Chorazak

SMS Teacher- Grade 6 Mathematics

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Overview of Assignments:

- Part 1: Gr 5-6 SMS Summer Math Review Packet 2021-2022**

- Part 2: IXL**

Name _____ (Please print out this page and attach it to the Review Packet.)

These assignments are due no later than **Friday, September 10th.**

Part 1: Gr 5-6 SMS Summer Math Review Packet 2021-2022

Print out the 8 pages. This assignment will count as one of your first official scores in the subject area, so please be attentive to the quality of your work as well as the responses. All work must be completed in pencil. When you are computing problems that require steps or sentences in response be sure to show all of your work for full credit.

*Please be aware that you are only responsible to complete the **EVEN NUMBERS** on each page.* Should you choose to complete the odd numbers as well, the extra practice will serve you well; but is not needed to complete the assignment. There are 78 problems, and it will be graded out of 100%. (So each problem is worth about 1.28 ea.)

Part 2: IXL

Students will complete **ten IXL Skills** over the summer. Please remember that if you need help, you may click "Learn by Example" or "Not feeling ready yet?" for each skill.

Students should log onto IXL using the username and password which was provided during the school year. To access the assigned topics, students should click on the grade 5 tab under Learning. Be sure Math is highlighted. Then find the letter and number that corresponds to each topic listed below. Students should have a **SmartScore of at least 95** for each skill.

- *IXL will be graded out of 100=10 points per topic completed.*
- *Grading: Students will receive 10 points for each SmartScore of 95 or higher.*

IXL 5 th Grade Math Skill	Checkmark for Completion
E.9 Evaluate exponents	
O.2 Add, subtract, multiply, and divide whole numbers: word problems	
O.5 Evaluate numerical expressions	
O.12 Add, subtract, multiply, and divide decimals: word problems	
P.3 Multi-step word problems	
Q.2 Convert between percents, fractions, and decimals	
Y.5 Compare and convert customary units	
Y.16 Compare and convert metric units	
DD.12 Area and perimeter: word problems	
DD.(between 15/16) New!Volume of compound figures	

Multiplication

Complete the EVEN numbers. (2, 4, 6, 8, etc.)
Solve each problem. Regroup when necessary.

1.
$$\begin{array}{r} 918 \\ \times 55 \\ \hline \end{array}$$

②
$$\begin{array}{r} 755 \\ \times 221 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 618 \\ \times 500 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ + \quad 00 \\ \hline \end{array}$$

④
$$\begin{array}{r} 1,242 \\ \times 687 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 437 \\ \times 22 \\ \hline \end{array}$$

⑥
$$\begin{array}{r} 832 \\ \times 106 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 391 \\ \times 125 \\ \hline \end{array}$$

⑧
$$\begin{array}{r} 3,861 \\ \times 392 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 518 \\ \times 42 \\ \hline \end{array}$$

Division with Remainders

Complete the EVEN numbers. (2, 4, 6, 8, etc.)
Solve each problem.

1. $28 \overline{)1,570}$

② $36 \overline{)4,587}$

3. $81 \overline{)9,758}$

④ $56 \overline{)6,398}$

5. $122 \overline{)6,387}$

⑥ $16 \overline{)2,154}$

7. $97 \overline{)1,863}$

⑧ $19 \overline{)3,786}$

9. $117 \overline{)2,573}$

Converting an Improper Fraction into a Mixed Number

Complete the EVEN numbers. (2, 4, 6, 8, 10, etc.)
Convert each improper fraction into a mixed number.

An **improper fraction** is a fraction in which the numerator is larger than the denominator.

To convert $\frac{25}{8}$ into a mixed number, follow these steps.

Step 1
Divide the numerator by the denominator.

$$\begin{array}{r} 3 \\ 8 \overline{)25} \\ \underline{24} \\ 1 \end{array}$$

Step 2
The remainder goes over the divisor, forming a fraction.

$$\begin{array}{r} 3 \frac{1}{8} \\ 8 \overline{)25} \\ \underline{24} \\ 1 \end{array}$$

Step 3
Combine the whole number and fraction.

$$3 \frac{1}{8}$$

1. $\frac{8}{3}$

2. $\frac{16}{5}$

3. $\frac{23}{5}$

4. $\frac{39}{10}$

5. $\frac{11}{8}$

6. $\frac{17}{4}$

7. $\frac{29}{8}$

8. $\frac{43}{9}$

9. $\frac{30}{7}$

10. $\frac{55}{9}$

11. $\frac{17}{6}$

12. $\frac{22}{7}$

Converting a Mixed Number into an Improper Fraction

Complete the EVEN numbers. (2, 4, 6, 8, 10, etc.)
Convert each mixed number into an improper fraction.

To convert $3\frac{1}{4}$ to an improper fraction, follow these steps.

Step 1
Multiply the whole number by the denominator.

$$3 \times 4 = 12$$

Step 2
Add the numerator to the product.

$$12 + 1 = 13$$

Step 3
Put the sum over the original denominator.

$$\frac{13}{4}$$

1. $3\frac{1}{4}$

2. $1\frac{1}{5}$

3. $4\frac{2}{5}$

4. $3\frac{4}{5}$

5. $5\frac{3}{7}$

6. $4\frac{2}{9}$

7. $4\frac{1}{8}$

8. $3\frac{2}{5}$

9. $6\frac{2}{3}$

10. $9\frac{3}{4}$

11. $8\frac{1}{2}$

12. $7\frac{6}{7}$

Adding Mixed Numbers

Complete the **EVEN** numbers. (2, 4, 6, 8, 10, etc.)
Solve each problem. Write each answer in simplest form.

To add mixed numbers, follow these steps:

Step 1 Find a common denominator. Make equivalent fractions.	Step 2 Add the fractions.	Step 3 Add the whole numbers.	Step 4 Write in simplest form.
$\begin{array}{r} 3\frac{2}{5} \\ + 4\frac{1}{10} \\ \hline \end{array}$	$\begin{array}{r} 3\frac{4}{10} \\ + 4\frac{1}{10} \\ \hline 7\frac{5}{10} \end{array}$	$\begin{array}{r} 3\frac{4}{10} \\ + 4\frac{1}{10} \\ \hline 7\frac{5}{10} \end{array}$	$7\frac{5}{10} = 7\frac{1}{2}$

1. $4\frac{1}{8} + 5\frac{3}{4} =$

2. $4\frac{7}{8} + 6\frac{1}{4} =$

3. $4\frac{3}{4} + 1\frac{2}{3} =$

4. $4\frac{1}{8} + 5\frac{1}{5} =$

5. $8\frac{3}{4} + 7\frac{3}{16} =$

6. $6\frac{1}{2} + 6\frac{2}{5} =$

7. $8\frac{1}{3} + 2\frac{3}{7} =$

8. $5\frac{1}{8} + 6\frac{2}{5} =$

9. $1\frac{9}{10} + 3\frac{1}{4} =$

Subtracting Mixed Numbers

Solve each problem. Write each answer in simplest form.

To solve $6\frac{1}{2} - 2\frac{3}{12}$, follow these steps:

Step 1 Find a common denominator. Make equivalent fractions.	Step 2 Subtract the fractions.	Step 3 Subtract the whole numbers.	Step 4 Write in simplest form.
$\begin{array}{r} 6\frac{1}{2} \\ - 2\frac{3}{12} \\ \hline \end{array}$	$\begin{array}{r} 6\frac{6}{12} \\ - 2\frac{3}{12} \\ \hline 3\frac{3}{12} \end{array}$	$\begin{array}{r} 6\frac{6}{12} \\ - 2\frac{3}{12} \\ \hline 4\frac{3}{12} \end{array}$	$4\frac{3}{12} = 4\frac{1}{4}$

1. $12\frac{7}{8} - 5\frac{5}{16} =$

2. $2\frac{3}{4} - 2\frac{5}{12} =$

3. $10\frac{2}{3} - 9\frac{2}{9} =$

4. $2\frac{5}{8} - 1\frac{7}{9} =$

5. $9\frac{3}{5} - 7\frac{2}{3} =$

6. $7\frac{9}{10} - 7\frac{9}{11} =$

7. $8\frac{5}{10} - 7\frac{5}{12} =$

8. $5\frac{12}{16} - 5\frac{11}{20} =$

9. $5\frac{5}{6} - 5\frac{5}{12} =$



Multiplying Fractions

Complete the **EVEN** numbers. (2, 4, 6, 8, etc.)

Solve each problem. Write each answer in simplest form.

To solve $\frac{1}{3} \times \frac{3}{5}$, follow these steps.

Step 1 Multiply the numerators. Then, multiply the denominators. $\frac{1}{3} \times \frac{3}{5} = \frac{3}{15}$	Step 2 Write in simplest form. $\frac{3+3}{15 \div 3} = \frac{1}{5}$
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1. $\frac{2}{5} \times \frac{1}{4} =$ 2. $\frac{2}{5} \times \frac{1}{7} =$ 3. $\frac{3}{4} \times \frac{4}{7} =$

4. $\frac{1}{3} \times \frac{3}{6} =$ 5. $\frac{5}{8} \times \frac{2}{7} =$ 6. $\frac{3}{10} \times \frac{1}{2} =$

7. $\frac{2}{5} \times \frac{1}{8} =$ 8. $\frac{4}{10} \times \frac{2}{3} =$ 9. $\frac{5}{8} \times \frac{4}{7} =$

10. $\frac{1}{3} \times \frac{3}{7} \times \frac{5}{8} =$ 11. $\frac{4}{5} \times \frac{3}{4} \times \frac{2}{3} =$ 12. $\frac{9}{10} \times \frac{2}{5} \times \frac{1}{4} =$

Multiplying Mixed Numbers

Complete the **EVEN** numbers. (2, 4, 6, 8, etc.)

Solve each problem. Write each answer in simplest form.

To solve $3\frac{1}{4} \times 2\frac{2}{3}$, follow these steps.

Step 1 Convert the mixed numbers to improper fractions. $\frac{13}{4} \times \frac{8}{3}$	Step 2 Multiply the numerators. $13 \times 8 = 104$	Step 3 Multiply the denominators. $4 \times 3 = 12$	Step 4 Write in simplest form. $\frac{104}{12} = 8\frac{2}{3}$
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1. $4\frac{1}{2} \times 2\frac{3}{4} =$ 2. $3\frac{1}{3} \times 5\frac{3}{10} =$ 3. $6\frac{2}{5} \times 3\frac{5}{6} =$

4. $7\frac{4}{5} \times 2\frac{9}{10} =$ 5. $2\frac{1}{4} \times 3\frac{7}{8} =$ 6. $5\frac{2}{3} \times 1\frac{1}{6} =$

7. $2\frac{3}{4} \times 4\frac{1}{6} =$ 8. $4\frac{3}{8} \times 6\frac{8}{11} =$ 9. $4\frac{3}{7} \times 2\frac{4}{9} =$

Dividing Fractions

Complete the **EVEN** numbers. (2, 4, 6, 8, etc.)
Solve each problem. Write each answer in **simplest form**.

To solve $\frac{5}{6} \div \frac{3}{4}$, invert the second fraction and multiply.

Step 1
Find the reciprocal
of the divisor.

$$\frac{3}{4} \overline{) \frac{4}{3}}$$

Step 2
Change the
operation to
multiplication and
use the reciprocal.

$$\frac{5}{6} \times \frac{4}{3} = \frac{20}{18}$$

Step 3
Combine the
whole number
and fraction.

$$1 \frac{1}{9}$$

1. $\frac{4}{5} \div \frac{2}{3} =$

2. $\frac{1}{3} \div \frac{4}{5} =$

3. $\frac{2}{5} \div \frac{5}{6} =$

4. $\frac{1}{4} \div \frac{3}{10} =$

5. $\frac{5}{8} \div \frac{3}{4} =$

6. $\frac{4}{5} \div \frac{1}{2} =$

7. $\frac{2}{9} \div \frac{3}{8} =$

8. $\frac{4}{9} \div \frac{1}{5} =$

9. $\frac{5}{6} \div \frac{3}{7} =$

10. $\frac{8}{10} \div \frac{4}{5} =$

11. $\frac{5}{8} \div \frac{1}{2} =$

12. $\frac{3}{12} \div \frac{1}{6} =$

Adding Decimals

Complete the **EVEN** numbers. (2, 4, 6, 8, etc.)
Solve each problem.

To solve $3.5 + 1.06 + 0.45$, follow these steps.

Step 1
Line up the decimals. Add
zeros to have even decimal
places.

$$\begin{array}{r} 3.50 \\ 1.06 \\ 0.45 \end{array}$$

Step 2
Add.

$$\begin{array}{r} 3.50 \\ 1.06 \\ +0.45 \\ \hline 5.01 \end{array}$$

1. $3.63 + 4.8 =$

2. $95.02 + 1.15 =$

3. $17.7 + 5.2 =$

4. $4.83 + 7.8 + 6.9 =$

5. $7.30 + 15.81 + 11 =$

6. $\begin{array}{r} 37.5 \\ 9.26 \\ + 0.07 \end{array}$

7. $\begin{array}{r} 7. \\ 4.2 \\ 85.37 \\ + 11.0 \end{array}$

8. $\begin{array}{r} 12.7 \\ 286.0 \\ + 0.03 \end{array}$

9. $\begin{array}{r} 9. \\ 0.09 \\ 80.1 \\ + 30.26 \end{array}$

10. $5.74 + 8.7 + 9.6 =$

11. $7.30 + 15.81 + 6.4 =$

Subtracting Decimals

Complete the **EVEN** numbers. (2, 4, 6, 8, etc.)
Solve each problem.

To solve $5.4 - 0.17$, follow these steps.

Step 1
Line up the decimals.

$$\begin{array}{r} 5.4 \\ - 0.17 \\ \hline \end{array}$$

Step 2
Place zeros to fill empty spaces as needed.

$$\begin{array}{r} 5.40 \\ - 0.17 \\ \hline \end{array}$$

Step 3
Subtract.

$$\begin{array}{r} 5.40 \\ - 0.17 \\ \hline 5.23 \end{array}$$

1. $2.6 - 0.07$

2. $23.1 - 0.05$

3. $82.3 - 1.54$

4. $43.19 - 19.7$

5. $5.4 - 2.1 =$

6. $6.58 - 3.2 =$

7. $41 - 2.6 =$

8. $17.8 - 0.56 =$

9. $7.5 - 0.64 =$

10. $13.9 - 1.25 =$

11. $10.4 - 2.43$

12. $3.77 - 1.2$

13. $17.8 - 11.0$

14. $210.15 - 90.87$

Multiplying Decimals

Complete the **EVEN** numbers. (2, 4, 6, 8, etc.)
Solve each problem.

To solve 0.41×8.9 , follow these steps.

Step 1
Line up the numbers on the right side.

$$\begin{array}{r} 0.41 \\ 8.9 \\ \hline 369 \\ + 3280 \\ \hline 3,649 \end{array}$$

Step 2
Count the total number of digits after the decimals.

$$\begin{array}{r} 0.41 \rightarrow 2 \text{ places} \\ \times 8.9 \rightarrow +1 \text{ place} \\ \hline 3 \text{ decimal places} \end{array}$$

Step 3
Start at the right and count over the number of spaces equal to the sum of decimal places.

$$\begin{array}{r} 3649 \\ 3.649 \end{array}$$

1. 5.6×8

2. 0.045×6

3. 6.21×7

4. 62.6×5

5. 31.2×48

6. 0.725×54

7. 66.1×5.7

8. 67.2×0.28

9. $0.3 \times 4.61 =$

10. $0.32 \times 0.81 =$

11. $2.51 \times 40 =$

Dividing Decimals

Complete the **EVEN** numbers. (2, 4, 6, 8, etc.)
Solve each problem.

To solve $2.82 \div 0.5$, follow these steps.

Step 1
If the divisor is not a whole number, move the decimal point to the right to make it a whole number. Then, move the decimal in the dividend the same number of places.

$$\begin{array}{r} \text{divisor} \quad \text{dividend} \\ \text{---} \quad \text{---} \\ 5 \overline{) 2.82} \end{array}$$

Step 2
Divide. Add zeros if needed to extend the dividend.

$$\begin{array}{r} 5 \ 64 \\ 5 \overline{) 28.20} \\ \underline{-25} \\ 32 \\ \underline{-30} \\ 20 \end{array}$$

Step 3
The decimal in the answer goes above the decimal in dividend.

$$\begin{array}{r} 5 \ 64 \\ 5 \overline{) 28.20} \\ \underline{-25} \\ 32 \\ \underline{-30} \\ 20 \end{array}$$

1. $4 \overline{) 0.166}$

2. $0.4 \overline{) 0.48}$

3. $0.6 \overline{) 1.8}$

4. $7 \overline{) 7.14}$

5. $0.6 \overline{) 0.198}$

6. $0.9 \overline{) 42.3}$

7. $0.04 \overline{) 28}$

8. $0.07 \overline{) 2.1}$

9. $0.25 \overline{) 2.26}$

Order of Operations

Complete the **EVEN** numbers. (2, 4, 6, 8, etc.)
Solve each problem.

To solve problems with more than one math operation, follow these steps.

Step 1
Do the problems in parentheses.

Step 2
Multiply and divide from left to right.

Step 3
Add and subtract from left to right.

$$\begin{array}{l} 4 \times (3 + 1) - 5 \\ 4 \times (4) - 5 \\ 16 - 5 \\ 9 \end{array}$$

1. $2 \times (4 + 3) \times 2 =$

2. $3 \times (5 + 1) + 3 =$

3. $6 \times 2 - (5 + 4) + 6 =$

4. $8 \times 2 + (1 \times 3) - 7 =$

5. $4 + 6 \div (10 - 8) =$

6. $(4 + 3) - 5 =$

7. $2 \times 3 - (1 + 3) =$

8. $30 \div (4 + 1) =$

9. $4 + (8 - 3) =$

10. $(16 \div 4)(3 \times 2) =$

Exponents

Complete the **EVEN** numbers. (2, 4, 6, 8, etc.)
Solve each problem.

In 2^4 , 2 is the base and 4 is the exponent. To solve the problem, multiply the base by itself the number of times indicated by the exponent.

$$2^4 = 2 \times 2 \times 2 \times 2$$

2 is multiplied 4 times. $2 \times 2 \times 2 \times 2 = 16$

1. 3^3 2. 8^2 3. 1^5 4. 6^3

5. 10^3 6. 7^2 7. 2^6 8. 5^2

9. 3^4 10. 4^3 11. 9^2 12. 2^5

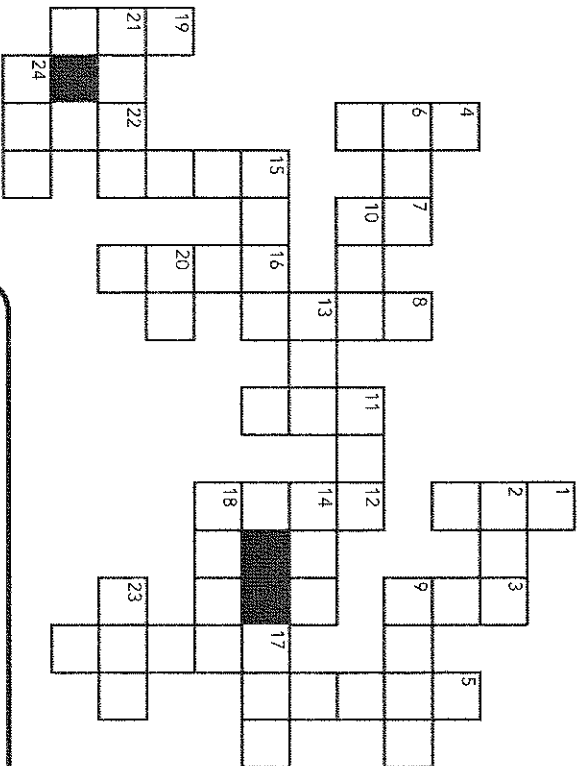
13. 5^3 14. 12^2 15. 6^1 16. 7^3

Crossword Math

For fun!
Solve each problem. Then, write the answer in the puzzle.

Across

2. $6(4 + 20) + 530 =$ 13. $1,265 - 352 =$ 20. $3 \times 9 =$
 6. $679 - 481 =$ 14. $1,648 - 756 =$ 21. $3(4,852 - 1,562) =$
 9. $8,567 - 137 =$ 15. $8,675 - 3,743 =$ 23. $45 \times 10 =$
 10. $3,155 + 5 =$ 17. $10 \times 64 =$ 24. $21(5 \times 5) =$
 11. $908 + 4 =$ 18. $1,526 \times 3 =$



Down

1. $578 \times 3 \div 2 - 4 =$ 12. $3,947 \times 2 =$
 3. $2,808 \div 6 =$ 15. $2(752 + 498 + 865) =$
 4. $6,150 \div 10 =$ 16. $2,654 + 968 =$
 5. $5,874 \times 16 =$ 17. $30(352 + 2,354) - 12,628 =$
 7. $430 \div 5 =$ 19. $29 + 365 =$
 8. $3,487 + 3,705 =$ 22. $2,130 \div 3 + 2 =$
 11. $684 - 447 =$