

Summer Reading Learning Packet

for students entering Grade 6

Purpose

Engaging in active reading over the summer months is one of life's great pleasures! Apart from the sheer joy of delving into new literary worlds, you will also gain some practical skills: developing reading fluency, increasing vocabulary, participating in a shared cultural experience, and understanding someone else's point of view. Most importantly, have fun with literature!

Parent Support

- Arrange visits to the library and meet with the librarian for suggestions on titles.
- Help your child set reading goals and a timeline, and frequently check in to monitor progress.
- Ask questions and discuss the books that he or she is reading. Include good questions about plot, characters, particularly well-written passages, and personal connections.

Student Requirement

All incoming 6th graders are encouraged to read at least one fiction and one nonfiction novel over the summer.

Written Response for fiction book:

Please include **title, author, and date of publication.**

Write all of your responses in good paragraph form.

1. In one or two handwritten paragraphs describe the main characters. **What makes the characters unique?** Use evidence from the text (quotes) to support your claim.
2. Identify one or two of your **favorite passages** from the book. Try to identify what is it about the writing that makes them pleasing to read.
3. Overall reaction. Did you like it? Discuss any **personal connections** that you made while reading – connections to personal events in your own life or other stories you've read or seen in films.

Written Response for nonfiction book:

Please include **title, author, and date of publication.**

List 10 Facts that you found interesting. Be ready to discuss your book in a small group.

Summer Math Learning Packet

for students entering Grade 6

Purpose

It is important for students to review math concepts and processes over the summer. Intentional practice will help reinforce fundamental math skills and allow students to use operations easily and accurately. By taking time every week to review basic math concepts from 5th Grade, students can avoid the “summer slide” and be ready to start 6th Grade math off on the right track!

Parent Support

- Create a system to monitor and track progress.
- Check in with your child periodically.
- Check neatness and accuracy of work: An answer key is available through the school’s website.

Grade Level Standards

- **Mastery:**
 - addition, subtraction, and multiplication of decimals & fractions
 - fluency with basic math facts
- **Reinforcement:**
 - division of decimals and fractions
 - converting decimals to fractions and fractions to decimals
- **Enrichment:**
 - percentages in real-life problems
 - multi-step problem solving

Student Requirements and Accountability

- While summer learning packets are optional this year, all students are encouraged to complete the following pages of math problems to review 5th grade math concepts and be ready to dive into 6th grade work in the fall. Please try to solve the problems without using a calculator. Use the answer key to check the accuracy of your work.
- Additional resources: Enrichment math work is also available on websites such as Khan Academy, IXL, or Hooda Math.

Sixth Grade Summer Math

Week #1 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 2538 \\ +7756 \\ \hline \end{array}$$

$$\begin{array}{r} 5229 \\ - 188 \\ \hline \end{array}$$

$$\begin{array}{r} 8753 \\ \times 698 \\ \hline \end{array}$$

$$51450 \div 98 =$$

Decimals:

$$\begin{array}{r} 4.2238 \\ +2.668 \\ \hline \end{array}$$

$$\begin{array}{r} 9.442 \\ - 0.4 \\ \hline \end{array}$$

$$\begin{array}{r} 7.37 \\ \times 0.77 \\ \hline \end{array}$$

$$0.7959 \div 0.21 =$$

Fractions:

$$\frac{5}{6} + \frac{17}{2} =$$

$$\frac{11}{6} - \frac{13}{15} =$$

$$1\frac{3}{4} \times 4\frac{4}{5} =$$

$$\frac{1}{7} \div \frac{8}{3} =$$

Sixth Grade Summer Math

Week #2 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 7979 \\ +9684 \\ \hline \end{array}$$

$$\begin{array}{r} 3445 \\ - 853 \\ \hline \end{array}$$

$$\begin{array}{r} 4242 \\ \times 879 \\ \hline \end{array}$$

$$73749 \div 93 =$$

Decimals:

$$\begin{array}{r} 9.353 \\ +4.672 \\ \hline \end{array}$$

$$\begin{array}{r} 94.7770 \\ - 8.2318 \\ \hline \end{array}$$

$$\begin{array}{r} 59.0 \\ \times 3.8 \\ \hline \end{array}$$

$$5.7288 \div 0.93 =$$

Fractions:

$$\frac{3}{4} + \frac{1}{20} =$$

$$\frac{7}{4} - \frac{7}{9} =$$

$$\frac{5}{3} \times \frac{17}{12} =$$

$$1\frac{1}{10} \div 1\frac{4}{7} =$$

Sixth Grade Summer Math

Week #3 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 9770 \\ +5082 \\ \hline \end{array}$$

$$\begin{array}{r} 7771 \\ - 570 \\ \hline \end{array}$$

$$\begin{array}{r} 4766 \\ \times 706 \\ \hline \end{array}$$

$$23865 \div 43 =$$

Decimals:

$$\begin{array}{r} 5.8 \\ +4.4418 \\ \hline \end{array}$$

$$\begin{array}{r} 93.2967 \\ - 2.3169 \\ \hline \end{array}$$

$$\begin{array}{r} 2.20 \\ \times 85 \\ \hline \end{array}$$

$$0.7884 \div 0.18 =$$

Fractions:

$$\frac{21}{8} + \frac{17}{8} =$$

$$\frac{16}{9} - \frac{4}{5} =$$

$$\frac{9}{10} \times \frac{1}{3} =$$

$$\frac{8}{3} \div \frac{20}{9} =$$

Sixth Grade Summer Math

Week #4 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 7068 \\ +3176 \\ \hline \end{array}$$

$$\begin{array}{r} 7295 \\ - 558 \\ \hline \end{array}$$

$$\begin{array}{r} 1502 \\ \times 297 \\ \hline \end{array}$$

$$66728 \div 76 =$$

Decimals:

$$\begin{array}{r} 6.9284 \\ +3.1850 \\ \hline \end{array}$$

$$\begin{array}{r} 51.5 \\ - 9.2 \\ \hline \end{array}$$

$$\begin{array}{r} 15.2 \\ \times 10 \\ \hline \end{array}$$

$$2.0853 \div 0.21 =$$

Fractions:

$$\frac{11}{6} + \frac{11}{6} =$$

$$\frac{7}{5} - \frac{4}{3} =$$

$$\frac{3}{11} \times \frac{1}{2} =$$

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

Sixth Grade Summer Math

Week #5 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 1122 \\ +2141 \\ \hline \end{array}$$

$$\begin{array}{r} 4832 \\ - 818 \\ \hline \end{array}$$

$$\begin{array}{r} 7625 \\ \times 862 \\ \hline \end{array}$$

$$12328 \div 23 =$$

Decimals:

$$\begin{array}{r} 1.1 \\ +8.530 \\ \hline \end{array}$$

$$\begin{array}{r} 29.55 \\ - 2.175 \\ \hline \end{array}$$

$$\begin{array}{r} 50.6 \\ \times 3.3 \\ \hline \end{array}$$

$$1.3728 \div 0.26 =$$

Fractions

$$\frac{36}{5} + \frac{32}{15} =$$

$$\frac{25}{16} - \frac{4}{3} =$$

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

$$\frac{1}{2} \div 1\frac{3}{7} =$$

Sixth Grade Summer Math

Week #6 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 6244 \\ +6396 \\ \hline \end{array}$$

$$\begin{array}{r} 8824 \\ - 223 \\ \hline \end{array}$$

$$\begin{array}{r} 5029 \\ \times 893 \\ \hline \end{array}$$

$$84490 \div 85 =$$

Decimals:

$$\begin{array}{r} 4.666 \\ +5.0496 \\ \hline \end{array}$$

$$\begin{array}{r} 0.15 \\ -0.1 \\ \hline \end{array}$$

$$\begin{array}{r} 9.88 \\ \times 25 \\ \hline \end{array}$$

$$3.5048 \div 0.52 =$$

Fractions:

$$\frac{3}{5} + \frac{2}{5} =$$

$$\frac{19}{20} - \frac{1}{2} =$$

$$\frac{1}{7} \times \frac{23}{4} =$$

$$\frac{13}{4} \div \frac{12}{5} =$$

Sixth Grade Summer Math

Week #7 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 6737 \\ +7482 \\ \hline \end{array}$$

$$\begin{array}{r} 3662 \\ - 115 \\ \hline \end{array}$$

$$\begin{array}{r} 5473 \\ \times 533 \\ \hline \end{array}$$

$$20125 \div 35 =$$

Decimals:

$$\begin{array}{r} 3.2555 \\ +6.9 \\ \hline \end{array}$$

$$\begin{array}{r} 64.31 \\ - 27.24 \\ \hline \end{array}$$

$$\begin{array}{r} 8.03 \\ \times 7.4 \\ \hline \end{array}$$

$$4.2097 \div 0.89 =$$

Fractions:

$$\frac{16}{7} + \frac{9}{7} =$$

$$\frac{13}{7} - \frac{25}{14} =$$

$$\frac{3}{11} \times \frac{5}{3} =$$

$$\frac{19}{9} \div 6\frac{2}{3} =$$

Sixth Grade Summer Math

Week #8 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 3615 \\ +5222 \\ \hline \end{array}$$

$$\begin{array}{r} 3127 \\ - 357 \\ \hline \end{array}$$

$$\begin{array}{r} 3675 \\ \times 120 \\ \hline \end{array}$$

$$25245 \div 99 =$$

Decimals:

$$\begin{array}{r} 2.28 \\ +6.02 \\ \hline \end{array}$$

$$\begin{array}{r} 65.6 \\ - 0.9833 \\ \hline \end{array}$$

$$\begin{array}{r} 27.6 \\ \times 96 \\ \hline \end{array}$$

$$8.6814 \div 0.91 =$$

Fractions:

$$\frac{14}{15} + \frac{13}{5} =$$

$$\frac{23}{20} - \frac{11}{12} =$$

$$\frac{7}{3} \times 2\frac{1}{5} =$$

$$\frac{17}{4} \div 3\frac{1}{3} =$$

Sixth Grade Summer Math

Week #9 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 4186 \\ +4314 \\ \hline \end{array}$$

$$\begin{array}{r} 2554 \\ - 557 \\ \hline \end{array}$$

$$\begin{array}{r} 8061 \\ \times 726 \\ \hline \end{array}$$

$$70080 \div 96 =$$

Decimals:

$$\begin{array}{r} 7.9 \\ +5.12 \\ \hline \end{array}$$

$$\begin{array}{r} 72.9392 \\ - 5.16 \\ \hline \end{array}$$

$$\begin{array}{r} 0.785 \\ \times 65 \\ \hline \end{array}$$

$$0.5655 \div 0.15 =$$

Fractions:

$$\frac{21}{10} + \frac{18}{5} =$$

$$\frac{4}{3} - \frac{4}{5} =$$

$$\frac{3}{4} \times \frac{7}{5} =$$

$$\frac{1}{3} \div \frac{2}{3} =$$

Sixth Grade Summer Math

Week #1 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 2538 \\ +7756 \\ \hline 10294 \end{array}$$

$$\begin{array}{r} 5229 \\ - 188 \\ \hline 5041 \end{array}$$

$$\begin{array}{r} 8753 \\ \times 698 \\ \hline 6109594 \end{array}$$

$$51450 \div 98 = 525$$

Decimals:

$$\begin{array}{r} 4.2238 \\ +2.668 \\ \hline 6.8918 \end{array}$$

$$\begin{array}{r} 9.442 \\ - 0.4 \\ \hline 9.042 \end{array}$$

$$\begin{array}{r} 7.37 \\ \times 0.77 \\ \hline 5.6749 \end{array}$$

$$0.7959 \div 0.21 = 3.79$$

Fractions:

$$\frac{5}{6} + \frac{17}{2} = 9\frac{1}{3}$$

$$\frac{11}{6} - \frac{13}{15} = \frac{29}{30}$$

$$1\frac{3}{4} \times 4\frac{4}{5} = 8\frac{2}{5}$$

$$\frac{1}{7} \div \frac{8}{3} = \frac{3}{56}$$

Sixth Grade Summer Math

Week #2 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 7979 \\ +9684 \\ \hline 17663 \end{array}$$

$$\begin{array}{r} 3445 \\ - 853 \\ \hline 2592 \end{array}$$

$$\begin{array}{r} 4242 \\ \times 879 \\ \hline 3728718 \end{array}$$

$$73749 \div 93 = 793$$

Decimals:

$$\begin{array}{r} 9.353 \\ +4.672 \\ \hline 14.025 \end{array}$$

$$\begin{array}{r} 94.7770 \\ - 8.2318 \\ \hline 86.5452 \end{array}$$

$$\begin{array}{r} 59.0 \\ \times 3.8 \\ \hline 224.20 \end{array}$$

$$5.7288 \div 0.93 = 6.16$$

Fractions:

$$\frac{3}{4} + \frac{1}{20} = \frac{4}{5}$$

$$\frac{7}{4} - \frac{7}{9} = \frac{35}{36}$$

$$\frac{5}{3} \times \frac{17}{12} = 2 \frac{13}{36}$$

$$1 \frac{1}{10} \div 1 \frac{4}{7} = \frac{7}{10}$$

Sixth Grade Summer Math

Week #3 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 9770 \\ +5082 \\ \hline 14852 \end{array}$$

$$\begin{array}{r} 7771 \\ - 570 \\ \hline 7201 \end{array}$$

$$\begin{array}{r} 4766 \\ \times 706 \\ \hline 3364796 \end{array}$$

$$23865 \div 43 = 555$$

Decimals:

$$\begin{array}{r} 5.8 \\ +4.4418 \\ \hline 10.2418 \end{array}$$

$$\begin{array}{r} 93.2967 \\ - 2.3169 \\ \hline 90.9798 \end{array}$$

$$\begin{array}{r} 2.20 \\ \times 85 \\ \hline 187.00 \end{array}$$

$$0.7884 \div 0.18 = 4.38$$

Fractions:

$$\frac{21}{8} + \frac{17}{8} = 4\frac{3}{4}$$

$$\frac{16}{9} - \frac{4}{5} = \frac{44}{45}$$

$$\frac{9}{10} \times \frac{1}{3} = \frac{3}{10}$$

$$\frac{8}{3} \div \frac{20}{9} = 1\frac{1}{5}$$

Sixth Grade Summer Math

Week #4 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 7068 \\ +3176 \\ \hline 10244 \end{array}$$

$$\begin{array}{r} 7295 \\ - 558 \\ \hline 6737 \end{array}$$

$$\begin{array}{r} 1502 \\ \times 297 \\ \hline 446094 \end{array}$$

$$66728 \div 76 = 878$$

Decimals:

$$\begin{array}{r} 6.9284 \\ +3.1850 \\ \hline 10.1134 \end{array}$$

$$\begin{array}{r} 51.5 \\ - 9.2 \\ \hline 42.3 \end{array}$$

$$\begin{array}{r} 15.2 \\ \times 10 \\ \hline 152.0 \end{array}$$

$$2.0853 \div 0.21 = 9.93$$

Fractions:

$$\frac{11}{6} + \frac{11}{6} = 3\frac{2}{3}$$

$$\frac{7}{5} - \frac{4}{3} = \frac{1}{15}$$

$$\frac{3}{11} \times \frac{1}{2} = \frac{3}{22}$$

$$\frac{1}{6} \div \frac{5}{2} = \frac{1}{15}$$

Sixth Grade Summer Math

Week #5 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 1122 \\ +2141 \\ \hline 3263 \end{array}$$

$$\begin{array}{r} 4832 \\ - 818 \\ \hline 4014 \end{array}$$

$$\begin{array}{r} 7625 \\ \times 862 \\ \hline 6572750 \end{array}$$

$$12328 \div 23 = 536$$

Decimals:

$$\begin{array}{r} 1.1 \\ +8.530 \\ \hline 9.630 \end{array}$$

$$\begin{array}{r} 29.55 \\ - 2.175 \\ \hline 27.375 \end{array}$$

$$\begin{array}{r} 50.6 \\ \times 3.3 \\ \hline 166.98 \end{array}$$

$$1.3728 \div 0.26 = 5.28$$

Fractions

$$\frac{36}{5} + \frac{32}{15} = 9\frac{1}{3}$$

$$\frac{25}{16} - \frac{4}{3} = \frac{11}{48}$$

$$\frac{5}{6} \times \frac{4}{3} = 1\frac{1}{9}$$

$$\frac{1}{2} \div 1\frac{3}{7} = \frac{7}{20}$$

Sixth Grade Summer Math

Week #6 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 6244 \\ +6396 \\ \hline 12640 \end{array}$$

$$\begin{array}{r} 8824 \\ - 223 \\ \hline 8601 \end{array}$$

$$\begin{array}{r} 5029 \\ \times 893 \\ \hline 4490897 \end{array}$$

$$84490 \div 85 = 994$$

Decimals:

$$\begin{array}{r} 4.666 \\ +5.0496 \\ \hline 9.7156 \end{array}$$

$$\begin{array}{r} 0.15 \\ -0.1 \\ \hline 0.05 \end{array}$$

$$\begin{array}{r} .988 \\ \times 25 \\ \hline 24.700 \end{array}$$

$$3.5048 \div 0.52 = 6.74$$

Fractions:

$$\frac{3}{5} + \frac{2}{5} = 1$$

$$\frac{19}{20} - \frac{1}{2} = \frac{9}{20}$$

$$\frac{1}{7} \times \frac{23}{4} = \frac{23}{28}$$

$$\frac{13}{4} \div \frac{12}{5} = 1 \frac{17}{48}$$

Sixth Grade Summer Math

Week #7 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 6737 \\ +7482 \\ \hline 14219 \end{array}$$

$$\begin{array}{r} 3662 \\ - 115 \\ \hline 3547 \end{array}$$

$$\begin{array}{r} 5473 \\ \times 533 \\ \hline 2917109 \end{array}$$

$$20125 \div 35 = 575$$

Decimals:

$$\begin{array}{r} 3.2555 \\ +6.9 \\ \hline 10.1555 \end{array}$$

$$\begin{array}{r} 64.31 \\ - 27.24 \\ \hline 37.07 \end{array}$$

$$\begin{array}{r} 8.03 \\ \times 7.4 \\ \hline 59.422 \end{array}$$

$$4.2097 \div 0.89 = 4.73$$

Fractions:

$$\frac{16}{7} + \frac{9}{7} = 3\frac{4}{7}$$

$$\frac{13}{7} - \frac{25}{14} = \frac{1}{14}$$

$$\frac{3}{11} \times \frac{5}{3} = \frac{5}{11}$$

$$\frac{19}{9} \div 6\frac{2}{3} = \frac{19}{60}$$

Sixth Grade Summer Math

Week #8 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 3615 \\ +5222 \\ \hline 8837 \end{array}$$

$$\begin{array}{r} 3127 \\ - 357 \\ \hline 2770 \end{array}$$

$$\begin{array}{r} 3675 \\ \times 120 \\ \hline 441000 \end{array}$$

$$25245 \div 99 = 255$$

Decimals:

$$\begin{array}{r} 2.28 \\ +6.02 \\ \hline 8.30 \end{array}$$

$$\begin{array}{r} 65.6 \\ - 0.9833 \\ \hline 64.6167 \end{array}$$

$$\begin{array}{r} 27.6 \\ \times 96 \\ \hline 2649.6 \end{array}$$

$$8.6814 \div 0.91 = 9.54$$

Fractions:

$$\frac{14}{15} + \frac{13}{5} = 3 \frac{8}{15}$$

$$\frac{23}{20} - \frac{11}{12} = \frac{7}{30}$$

$$\frac{7}{3} \times 2 \frac{1}{5} = 5 \frac{2}{15}$$

$$\frac{17}{4} \div 3 \frac{1}{3} = 1 \frac{11}{40}$$

Sixth Grade Summer Math

Week #9 _____

Show all of your work on a separate piece of paper. Writing down every step shows your knowledge!

Whole Numbers:

$$\begin{array}{r} 4186 \\ +4314 \\ \hline 8500 \end{array}$$

$$\begin{array}{r} 2554 \\ - 557 \\ \hline 1997 \end{array}$$

$$\begin{array}{r} 8061 \\ \times 726 \\ \hline 5852286 \end{array}$$

$$70080 \div 96 = 730$$

Decimals:

$$\begin{array}{r} 7.9 \\ +5.12 \\ \hline 13.02 \end{array}$$

$$\begin{array}{r} 72.9392 \\ - 5.16 \\ \hline 67.7792 \end{array}$$

$$\begin{array}{r} 0.785 \\ \times 65 \\ \hline 51.025 \end{array}$$

$$0.5655 \div 0.15 = 3.77$$

Fractions:

$$\frac{21}{10} + \frac{18}{5} = 5 \frac{7}{10}$$

$$\frac{4}{3} - \frac{4}{5} = \frac{8}{15}$$

$$\frac{3}{4} \times \frac{7}{5} = 1 \frac{1}{20}$$

$$\frac{1}{3} \div \frac{2}{3} = \frac{1}{2}$$