St. Louis School
2024 Summer Math
Entering 6th Grade
Course 1

All students in middle school are required to complete summer math work. This year, to reinforce learning during the summer and promote growth, students will be using IXL online in addition to worksheets for math practice.

I. **IXL** – Each class has specifically assigned skills in IXL. IXL is an online program geared toward fluency practice. Students simply access the list of skills created by their teacher and click on a link to select an assigned skill. The link will take students to the skill where they login to begin. Students will use their St. Louis account to log on as they have done all school year. Link to IXL

Students should pace themselves by completing five concepts each month at a level of 80% proficiency (five by June 26, an additional five by July 28, and five more by August 23). Teachers will be monitoring students' progress throughout the summer. Failure to complete the suggested skills will result in a lower effort grade.

Please contact Mrs. Zulma Whiteford at zwhiteford@stlouisparish.org if you have any questions or concerns about IXL.

II. **Worksheets** – Scroll down to print the worksheets.

- **Show all work either on the worksheet or on looseleaf** in order to receive credit. Answers alone without supporting work will not receive credit.
- The looseleaf **MUST** include the student's name and be attached to the packet.
- Make sure to number the problems clearly. Work should be neat and organized.
- Class notes may be used for reference.

Complete some problems each week. Do not wait until the end of summer to complete the packet. This will allow you to maintain and improve your skills and help you to be successful next year.

All work should be **completed and turned in during the first week of school**. This packet will count as a **15-point assignment with five points awarded per trimester.**

Name: _____ Entering 6th Grade, Course 1

Compare. Write <, =, or >.

1.)	2.)	3.)
555,303 ___ 555,103	7.89 _____ 7.890	22.456 _____ 22.556

Find the sum for the following problems.

4.)	5.)	6.)
583 647 + 942	4,298 3,861 + 6,356	546,172 133,595 + 171,328

Subtract the following numbers.

7.)	8.)	9.)
600 – 163	5030 – 4859	928,600 – 309,681

Multiply.

10.) 40 x 9	11.) 600 x 7	12.) 8000 x 3
13.) 4065 x 5	14.) 27 x 52	15.) 8874 x 36
16.) 3230 x 400	17.) 9425 x 324	18.) $4.39 x 23

Divide.

19.) 48 ÷ 6 = _____ 480 ÷ 6 = _____ 4,800 ÷ 6 = _____ 48,000 ÷ 6 = _____	20.) 25 ÷ 5 = _____ 250 ÷ 50 = _____ 2,500 ÷ 500 = _____ 25,000 ÷ 5000 = _____	21.) 10,000 ÷ 10 = _____ 10,000 ÷ 100 = _____ 10,000 ÷ 1000 = _____ 10,000 ÷ 10,000 = _____
22.) $9\overline{)313}$	23.) $7\overline{)253{,}604}$	24.) $12\overline{)272{,}951}$
25.) $22\overline{)4500}$	26.) $40\overline{)168{,}946}$	27.) $28\overline{)\$31.64}$

Use the order of operations to compute.

28.) 28 ÷ 4 + 5 x 6	29.) (52 – 10) ÷ (2 + 5)	30.) 10 ÷ (20 ÷ 4) x 4

Write each fraction in simplest form.

31.) $\frac{40}{50}$	32.) $\frac{10}{25}$	33.) $\frac{36}{60}$
34.) $\frac{5}{100}$	35.) $\frac{16}{40}$	36.) $\frac{30}{75}$
37.) $\frac{22}{55}$	38.) $\frac{4}{58}$	39.) $\frac{12}{39}$

Find the missing term.

40.) $\frac{2}{3} = \frac{n}{12}$	41.) $\frac{5}{6} = \frac{n}{30}$	42.) $\frac{1}{10} = \frac{5}{n}$
43.) $\frac{2}{5} = \frac{22}{n}$	44.) $\frac{12}{15} = \frac{n}{45}$	45.) $\frac{13}{7} = \frac{n}{42}$
46.) $\frac{4}{5} = \frac{32}{n}$	47.) $\frac{18}{13} = \frac{36}{n}$	48.) $\frac{100}{21} = \frac{n}{63}$

Write each as a whole number or mixed number in simplest form.

49.) $\frac{18}{7}$	50.) $\frac{40}{5}$	51.) $\frac{20}{9}$
52.) $\frac{8}{3}$	53.) $\frac{52}{10}$	54.) $\frac{60}{32}$
55.) $\frac{24}{18}$	56.) $\frac{105}{35}$	57.) $\frac{93}{21}$

Add. Write answers in simplest form.

58.) $\frac{5}{18} + \frac{1}{18}$	59.) $\frac{1}{2} + \frac{1}{2}$	60.) $\frac{2}{3} + \frac{2}{3}$
61.) $\frac{1}{5} + \frac{1}{6}$	62.) $\frac{5}{6} + \frac{1}{10}$	63.) $\frac{2}{7} + \frac{8}{9}$
64.) $2\frac{3}{8} + 1\frac{1}{4}$ ---	65.) $35\frac{5}{6} + 13\frac{11}{15}$ ---	66.) $5\frac{2}{9} + 7\frac{20}{21}$ ---

Subtract. Write answers in simplest form.

67.) $\frac{4}{10} - \frac{3}{10}$	68.) $\frac{17}{20} - \frac{15}{20}$	69.) $\frac{24}{31} - \frac{2}{31}$
70.) $\frac{8}{9} - \frac{1}{6}$	71.) $\frac{11}{12} - \frac{1}{8}$	72.) $\frac{19}{36} - \frac{4}{9}$
73.) $12\frac{10}{23} - 9\frac{1}{23}$	74.) $8 - 3\frac{1}{10}$	75.) $5\frac{3}{8} - 1\frac{13}{16}$

Multiply. Write answers in simplest form.

76.) $\frac{1}{3} \times \frac{1}{5}$	77.) $\frac{2}{7} \times \frac{5}{7}$	78.) $\frac{4}{5} \times \frac{11}{9}$
79.) $\frac{4}{9} \times \frac{3}{8}$	80.) $\frac{8}{21} \times \frac{7}{24}$	81.) $\frac{30}{13} \times \frac{26}{20}$
82.) $4 \times \frac{3}{5}$	83.) $1\frac{2}{5} \times 1\frac{1}{8}$	84.) $2\frac{1}{6} \times 3\frac{3}{4}$

Divide. Write answers in simplest form.

85.) $\frac{2}{3} \div \frac{1}{7}$	86.) $\frac{3}{5} \div \frac{5}{4}$	87.) $\frac{3}{4} \div \frac{13}{3}$
88.) $\frac{8}{15} \div \frac{1}{3}$	89.) $\frac{7}{20} \div \frac{21}{10}$	90.) $\frac{63}{8} \div \frac{7}{2}$
91.) $4 \div \frac{2}{11}$	92.) $1\frac{1}{3} \div 1\frac{1}{4}$	93.) $3\frac{1}{2} \div 2\frac{2}{5}$