



ALL SAINTS
CATHOLIC SCHOOL
Growing Leaders in Mind, Body, and Spirit

Going into
Sixth Grade
Summer Coursework 2022
Math Skills

Name : _____

Score : _____

Number Names

Mixed: S1

Write each number in words.

1) 172,549,634,207 _____

2) 59,273,006,168 _____

3) 6,080,952,430 _____

4) 836,319,745,212 _____

Write each number in standard form.

1) nine billion, seventy-seven million, three hundred sixty-eight thousand

2) forty-seven billion, one hundred twenty million, six hundred sixteen thousand,
eight hundred ninety-three

3) six hundred one billion, nine hundred eighteen million, four hundred eighty-nine
thousand, seven hundred fifty-six

4) two billion, eight hundred four million, six hundred forty-two thousand, ninety

Standard and Expanded Form

T1L1S1

Write in expanded form.

1) 689.435 _____

2) 24.17 _____

3) 36.9 _____

4) 1.824 _____

5) 709.63 _____

6) 8.6 _____

Write in standard form.

1) $200 + 10 + 6 + 0.3$ _____

2) $4 + 0.9 + 0.008$ _____

3) $50 + 2 + 0.6$ _____

4) $900 + 30 + 7 + 0.2 + 0.01$ _____

5) $80 + 8 + 0.1 + 0.05$ _____

6) $300 + 70 + 3 + 0.08 + 0.009$ _____

Place Value of Underlined Digits

Up to thousandths: 51

Identify the place value of the underlined digits.

1) $\underline{6}75.4$ _____2) $10.7\underline{4}5$ _____3) $584.\underline{7}2$ _____4) $4\underline{5}3.7$ _____5) $92.36\underline{8}$ _____6) $79.5\underline{1}3$ _____7) $1\underline{2}.6$ _____8) $270.\underline{9}54$ _____

9) Diana measures the dimensions of her kitchen window as she plans to dress them with blinds. Find the place value of the digit 6, if the window is 44.56 inches long.

10) Vivian took 25.34 minutes to cover 5 laps around the park. What is the place value of the digit 3 in the given number?

Name : _____

Round Up or Round Down

Sheet 1

1) Round each decimal to the nearest whole number. Write whether you had to "round up" or "round down".

a) 32.6

b) 66.21

c) 53.93

d) 17.2

2) Round each decimal to the nearest tenth. Write whether you had to "round up" or "round down".

a) 71.841

b) 45.47

c) 20.36

d) 82.713

3) Round each decimal to the nearest hundredth. Write whether you had to "round up" or "round down".

a) 52.3589

b) 73.414

c) 87.5438

d) 19.129

4) Round each decimal to the nearest thousandth. Write whether you had to "round up" or "round down".

a) 21.78934

b) 94.5968

c) 49.4636

d) 7.34541

Name : _____

Order of Operations: Basic

L3ES1

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 =

Name : _____

Decimal Addition

Mixed: L2S1

Line up the decimals in vertical form and add.

1) $1.84 + 273.79$

2) $54.631 + 987.205$

3) $2.967 + 52.8$

4) $30.72 + 9.6$

5) $97.1 + 605.382$

6) $491.52 + 4.07$

7) $89 + 40.35$

8) $761.986 + 25.8$

Name: _____

Decimal Subtraction

Mixed: L1S1

Line up the decimals in vertical form and subtract.

1) $3.61 - 0.64$

2) $54.9 - 12.75$

3) $80.13 - 6.7$

4) $910.56 - 13.04$

5) $228.1 - 7.29$

6) $72.2 - 53.6$

7) $195.9 - 3.5$

8) $498.07 - 264.1$

Name : _____

Adding Like Fractions

All fractions: S1

1) $\frac{13}{10} + \frac{7}{10} =$

2) $\frac{24}{18} + \frac{30}{18} =$

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

4) $6\frac{2}{9} + 6\frac{3}{9} =$

5) $\frac{2}{13} + \frac{3}{13} =$

6) $\frac{3}{2} + 8\frac{1}{2} =$

7) $6\frac{4}{7} + 2\frac{3}{7} =$

8) $\frac{20}{19} + \frac{15}{19} =$

9) $\frac{7}{11} + \frac{5}{11} =$

10) $\frac{2}{5} + 9\frac{2}{5} =$

11) $3\frac{1}{8} + \frac{9}{8} =$

12) $2\frac{11}{20} + 4\frac{8}{20} =$

13) $\frac{19}{16} + \frac{29}{16} =$

14) $\frac{1}{4} + \frac{3}{4} =$

Name: _____

Adding Unit Fractions

Proper: S1

1) $\frac{1}{14} + \frac{1}{14} =$

2) $\frac{1}{3} + \frac{1}{7} =$

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

4) $\frac{1}{15} + \frac{1}{6} =$

5) $\frac{1}{5} + \frac{1}{11} =$

6) $\frac{1}{6} + \frac{1}{6} =$

7) $\frac{1}{10} + \frac{1}{15} =$

8) $\frac{1}{16} + \frac{1}{8} =$

9) $\frac{1}{9} + \frac{1}{9} =$

10) $\frac{1}{12} + \frac{1}{4} =$

11) $\frac{1}{15} + \frac{1}{30} =$

12) $\frac{1}{5} + \frac{1}{20} =$

13) $\frac{1}{8} + \frac{1}{24} =$

14) $\frac{1}{13} + \frac{1}{3} =$

Name : _____

Adding Unit Fractions

Mixed numbers: S1

1) $5\frac{1}{2} + 3\frac{1}{13} =$

2) $2\frac{1}{4} + 9\frac{1}{4} =$

3) $4\frac{1}{6} + 9\frac{1}{3} =$

4) $8\frac{1}{12} + 7\frac{1}{24} =$

5) $7\frac{1}{3} + 2\frac{1}{19} =$

6) $5\frac{1}{5} + 3\frac{1}{4} =$

7) $2\frac{1}{5} + 4\frac{1}{15} =$

8) $9\frac{1}{3} + 8\frac{1}{3} =$

9) $6\frac{1}{18} + 5\frac{1}{6} =$

10) $3\frac{1}{4} + 6\frac{1}{20} =$

11) $3\frac{1}{9} + 4\frac{1}{9} =$

12) $4\frac{1}{8} + 2\frac{1}{16} =$

13) $2\frac{1}{15} + 5\frac{1}{10} =$

14) $6\frac{1}{10} + 7\frac{1}{10} =$

Name : _____

Adding Improper Fractions

MS1

1) $\frac{26}{20} + \frac{44}{20} =$

2) $\frac{7}{3} + \frac{9}{3} =$

3) $\frac{58}{9} + \frac{10}{9} =$

4) $\frac{52}{16} + \frac{20}{16} =$

5) $\frac{73}{4} + \frac{24}{4} =$

6) $\frac{19}{13} + \frac{30}{13} =$

7) $\frac{37}{17} + \frac{18}{17} =$

8) $\frac{41}{8} + \frac{15}{8} =$

9) $\frac{42}{12} + \frac{42}{12} =$

10) $\frac{6}{5} + \frac{8}{5} =$

11) $\frac{14}{2} + \frac{21}{2} =$

12) $\frac{20}{10} + \frac{30}{10} =$

13) $\frac{16}{15} + \frac{19}{15} =$

14) $\frac{52}{6} + \frac{7}{6} =$

Name: _____

Adding Unlike Fractions

All fractions: S1

1) $1\frac{2}{5} + 7\frac{6}{20} =$

2) $\frac{9}{14} + \frac{3}{7} =$

3) $\frac{17}{16} + \frac{9}{8} =$

4) $5\frac{5}{6} + \frac{8}{12} =$

5) $\frac{13}{9} + 4\frac{2}{3} =$

6) $\frac{4}{6} + \frac{11}{2} =$

7) $2\frac{2}{10} + \frac{1}{2} =$

8) $\frac{2}{3} + \frac{13}{18} =$

9) $5\frac{6}{9} + 2\frac{2}{6} =$

10) $\frac{19}{14} + 1\frac{5}{7} =$

11) $\frac{4}{15} + \frac{17}{10} =$

12) $\frac{1}{2} + \frac{9}{18} =$

13) $9\frac{3}{5} + \frac{2}{3} =$

14) $1\frac{2}{12} + 1\frac{1}{4} =$

Name : _____

Subtracting Unit Fractions

Proper: S1

1) $\frac{1}{4} - \frac{1}{36} =$

2) $\frac{1}{3} - \frac{1}{18} =$

3) $\frac{1}{12} - \frac{1}{16} =$

4) $\frac{1}{9} - \frac{1}{15} =$

5) $\frac{1}{15} - \frac{1}{20} =$

6) $\frac{1}{10} - \frac{1}{14} =$

7) $\frac{1}{2} - \frac{1}{13} =$

8) $\frac{1}{4} - \frac{1}{12} =$

9) $\frac{1}{8} - \frac{1}{11} =$

10) $\frac{1}{5} - \frac{1}{30} =$

11) $\frac{1}{3} - \frac{1}{21} =$

12) $\frac{1}{16} - \frac{1}{20} =$

13) $\frac{1}{12} - \frac{1}{18} =$

14) $\frac{1}{8} - \frac{1}{22} =$

Name: _____

Subtracting Fractions

Mixed Review: S1

1) $\frac{6}{7} - \frac{4}{5} =$

2) $5\frac{3}{10} - 3\frac{7}{10} =$

3) $\frac{4}{14} - \frac{3}{14} =$

4) $1\frac{2}{6} - \frac{3}{6} =$

5) $\frac{11}{2} - \frac{7}{2} =$

6) $9\frac{4}{7} - \frac{10}{7} =$

7) $9\frac{5}{8} - 6\frac{7}{8} =$

8) $5\frac{3}{4} - 4\frac{1}{3} =$

9) $\frac{1}{3} - \frac{1}{7} =$

10) $\frac{13}{11} - \frac{10}{11} =$

11) $\frac{15}{12} - \frac{13}{12} =$

12) $\frac{11}{4} - 2\frac{1}{2} =$

13) $4\frac{3}{4} - \frac{4}{6} =$

14) $\frac{7}{3} - \frac{6}{9} =$

Name: _____

Subtracting Proper Fractions

Moderate: S1

1) $\frac{4}{5} - \frac{2}{4} =$

2) $\frac{7}{8} - \frac{8}{10} =$

3) $\frac{8}{11} - \frac{6}{9} =$

4) $\frac{15}{17} - \frac{1}{2} =$

5) $\frac{2}{3} - \frac{3}{6} =$

6) $\frac{4}{7} - \frac{1}{3} =$

7) $\frac{11}{12} - \frac{7}{9} =$

8) $\frac{8}{10} - \frac{4}{18} =$

9) $\frac{6}{8} - \frac{1}{2} =$

10) $\frac{12}{15} - \frac{2}{5} =$

11) $\frac{10}{14} - \frac{5}{12} =$

12) $\frac{3}{4} - \frac{7}{16} =$

13) $\frac{4}{5} - \frac{11}{20} =$

14) $\frac{16}{18} - \frac{2}{3} =$

Name: _____

Multiplying Two Fractions

Sheet 1

Find the product.

1) $\frac{9}{2} \times \frac{2}{3}$

2) $\frac{15}{7} \times \frac{6}{12}$

3) $\frac{8}{14} \times \frac{7}{6}$

4) $\frac{1}{5} \times \frac{19}{11}$

5) $\frac{5}{18} \times \frac{4}{9}$

6) $\frac{11}{6} \times \frac{7}{5}$

7) $\frac{6}{7} \times \frac{13}{7}$

8) $\frac{14}{15} \times \frac{3}{20}$

Name: _____

Multiplying Two Mixed Numbers

Sheet 1

Find the product.

1) $3\frac{2}{11} \times 6\frac{3}{5}$

2) $5\frac{2}{4} \times 3\frac{1}{2}$

3) $6\frac{2}{5} \times 2\frac{5}{8}$

4) $1\frac{5}{9} \times 2\frac{3}{12}$

5) $4\frac{4}{5} \times 1\frac{9}{11}$

6) $3\frac{4}{7} \times 1\frac{2}{5}$

7) $2\frac{6}{8} \times 3\frac{3}{7}$

8) $2\frac{1}{10} \times 1\frac{2}{7}$

Name: _____

Multiplying Mixed Numbers and Fractions

Sheet 2

Find the product.

1) $5\frac{3}{5} \times \frac{7}{4}$

2) $\frac{1}{16} \times 1\frac{7}{9}$

3) $\frac{11}{24} \times 2\frac{6}{11}$

4) $\frac{9}{7} \times 4\frac{2}{3}$

5) $2\frac{7}{16} \times \frac{14}{13}$

6) $4\frac{4}{5} \times \frac{10}{16}$

7) $\frac{5}{19} \times 2\frac{8}{15}$

8) $3\frac{3}{13} \times \frac{8}{7}$

Name: _____

Dividing Fractions

Sheet 1

Find the quotient.

1) $\frac{6}{7} \div \frac{2}{7}$

2) $\frac{1}{4} \div \frac{19}{12}$

3) $\frac{2}{5} \div \frac{7}{9}$

4) $\frac{5}{3} \div \frac{3}{8}$

5) $\frac{3}{4} \div \frac{9}{8}$

6) $\frac{12}{18} \div \frac{17}{9}$

7) $\frac{11}{10} \div \frac{5}{2}$

8) $\frac{15}{17} \div \frac{5}{3}$

Name: _____

Dividing Mixed Numbers

Sheet 1

Find the quotient.

1) $6\frac{6}{9} \div 1\frac{5}{7}$

2) $5\frac{5}{6} \div 7\frac{1}{6}$

3) $7\frac{4}{5} \div 8\frac{1}{8}$

4) $6\frac{1}{3} \div 1\frac{1}{18}$

5) $8\frac{3}{10} \div 4\frac{3}{20}$

6) $9\frac{3}{4} \div 5\frac{2}{5}$

7) $3\frac{7}{12} \div 4\frac{1}{2}$

8) $2\frac{6}{14} \div 2\frac{3}{7}$
