Summer Math for Entering 5th Grade
Maintaining Your Skills

Progression	Skill	Parent Initials
1	Addition and Subtraction with decimals	
2	Basic Multiplication and Division Facts (X0 to X12) For worksheets visit: http://www.math-drills.com/multiplication.shtml	
3	Basic Multiplication and Division with 2 by 3 digits (ex. 23 X 675 or 678/4)	
4	Geometry Vocabulary	
5	Practice with Fractions (addition & subtraction with same denominator)	
6	Measurement	

Basic Multiplication and Division Facts to 12: Have your child practice basic facts with flash cards, online, or paper pencil. Have your child practice daily so that these facts become automatic.

Websites:

Reflex Math – www.reflexmath.com

Think Through Math – www.thinkthroughmath.com

Greg Tang Summer Math Challenge - http://summer.gregtangmath.com/

IXL Math - http://www.ixl.com/math/grade-5

Multiplication - http://www.multiplication.com/

Practice work sheets: http://xtramath.org/

Please have your student bring in worksheets, a math journal, or even screen shots to show their summer work or progress to share with their math teacher at the start of the year.

Thank you for helping to prepare your child for 5th grade!

5th Grade Team

Add and Subtract Decimal Hundredths (A)

3.3	+	3.83	=	7.75	+	5.9	=
7.18	-	1.98	=	1.23	+	7.26	=
7.01	-	0.08	=	5.15	-	2.67	=
8.53	-	0.71	=	4.04	+	2.46	=
7.71	+	1.7	=	3.52	+	9.36	=
5.06	-	1.67	=	3.55	+	3.67	=
0.71	-	0.22	=	8	-	1.82	=
9.54	-	2.73	=	8.71	-	0.87	=
2.18	+	5.04	=	8.23	+	0.99	=
3.15	-	1.76	=	2.43	-	0.44	=
0.45	-	0.27	=	5.42	-	2.38	=
4.66	-	2.36	=	2.91	+	7.57	=
1.6	+	1.94	=	1.56	-	1.23	=
4.55	-	2.94	=	9.17	-	9.14	=
1.87	-	0.33	=	2.95	-	0.03	=
1.39	+	5.3	=	3.71	+	2.26	=

Five Minute Multiplying Frenzy (A)

Write the product of the column and row numbers in each space.

(Range 2 to 12)

×	10	5	9	2	3	6	8	4	11	7
9										
8										
5										
2										
7										
6										
4										
12										
10										
3										

Time: _____ **/100**

×	8	10	4	3	9	12	2	7	11	6
10										
5										
7										
12										
11										
3										
6										
4										
2										
8										

Time: _____ **/100**

×	6	3	2	12	8	4	11	5	9	10
2										
12										
4										
6										
9										
7										
5										
10										
11										
3										

Time: _____ **/100**

×	9	2	10	4	5	6	12	7	8	3
11										
2										
12										
4										
6										
9										
3										
7										
8										
10										

Time: _____ **/100**

Five Minute Multiplying Frenzy (B)

Write the product of the column and row numbers in each space.

(Range 2 to 12)

×	4	11	9	3	2	6	5	7	10	12
10										
3										
12										
4										
8										
2										
7										
9										
11										
6										

Time: _____ **/100**

×	5	7	11	9	6	12	4	8	10	2
9										
3										
5										
4										
11										
7										
10										
12										
2										
6										

Time: _____ **/100**

×	4	12	10	3	7	5	6	2	9	11
2										
3										
5										
8										
6										
12										
7										
4										
11										
10										

Time: _____ **/100**

×	6	8	11	9	12	5	4	3	7	2
2										
12										
6										
10										
9										
4										
11										
8										
7										
3										

Time: _____ **/100**

2-Digit Multiplication (G)

Multiply to determine each product.

88 × 34	92 × 88	15 × 16	21 × 64	97 × 73	24 × 75
17 × 86	10 × 82	78 × 76	63 × 80	23 × 98	75 × 46
44 × 72	79 × 35	20 × 21	43 × 73	87 × 35	93 × 32
91 × 38	84 × 42	59 × 69	17 × 16	45 × 49	44 × 33

3-Digit by 2-Digit Multiplication (A)

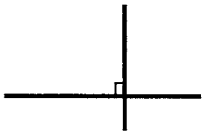
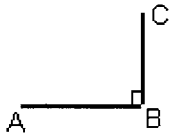
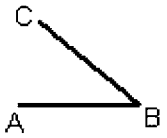
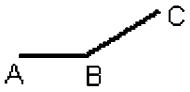
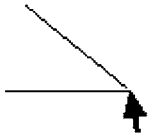
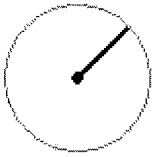
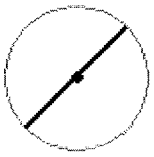
Multiply to determine each product.

108 × 87	234 × 56	180 × 72	818 × 23	973 × 15	355 × 40
566 × 75	633 × 42	101 × 52	546 × 78	662 × 23	113 × 95
650 × 68	105 × 15	183 × 15	991 × 78	302 × 72	354 × 21
364 × 16	922 × 78	451 × 23	970 × 76	776 × 18	823 × 59

Division (A)

Find each quotient and the remainder.

$5\overline{)783}$	$6\overline{)719}$	$9\overline{)296}$	$9\overline{)917}$	$2\overline{)158}$
$2\overline{)896}$	$5\overline{)858}$	$8\overline{)966}$	$3\overline{)459}$	$7\overline{)954}$
$3\overline{)673}$	$3\overline{)192}$	$6\overline{)889}$	$9\overline{)661}$	$5\overline{)497}$
$2\overline{)971}$	$3\overline{)538}$	$6\overline{)373}$	$1\overline{)345}$	$1\overline{)621}$

Point	A location in space - a dot on a piece of paper	
Line	Connects two points via the shortest path and continues indefinitely (forever) in both directions	
Line Segment	Part of a line between two points	
Perpendicular Line Segment	Line Segments that intersect (cross) at an angle of 90°	
Parallel Line Segments	Line segments that never intersect (they are always the same distance apart)	
Right Angle	An angle that measures 90°	
Acute Angle	An angle that measures less than 90°	
Obtuse Angle	An angle that measures more than 90°	
Vertex	Point at which two line segments intersect (forming an angle)	
Scalene Triangle	A triangle with all three sides with different lengths	
Isosceles Triangle	A triangle with two equal length sides (and two equal internal angles)	
Equilateral Triangle	A triangle with all three sides of equal length (each internal angles = 60°)	
Radius	Distance (line segment) from center of a circle to any point on that circle's circumference.	
Diameter	A line segment (or length) joining two points on a circles circumference and passes through the circle's center (twice the length of the radius)	
Circumference	Distance around a circle (the perimeter)	

Adding Fractions (A)

Find the value of each expression in lowest terms.

1. $\frac{31}{12}+\frac{5}{12}$

2. $\frac{29}{14}+\frac{15}{14}$

3. $\frac{24}{5}+\frac{21}{5}$

4. $\frac{33}{17}+\frac{32}{17}$

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

6. $\frac{24}{7}+\frac{24}{7}$

7. $\frac{11}{9}+\frac{31}{9}$

8. $\frac{27}{20}+\frac{3}{20}$

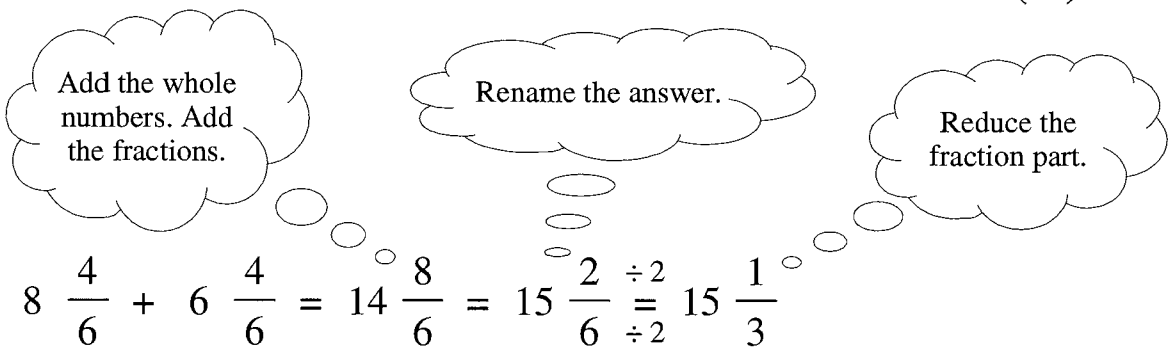
9. $\frac{5}{14}+\frac{15}{14}$

10. $\frac{14}{11}+\frac{32}{11}$

11. $\frac{7}{10}+\frac{27}{10}$

12. $\frac{38}{9}+\frac{2}{9}$

Add Mixed Numbers With Like Denominators (A)



$$8\ \frac{4}{6} + 6\ \frac{4}{6} = 14\ \frac{8}{6} = 15\ \frac{2}{6} \overset{\div 2}{=} 15\ \frac{1}{3}$$

$3\ \frac{6}{12} + 3\ \frac{9}{12} =$

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

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

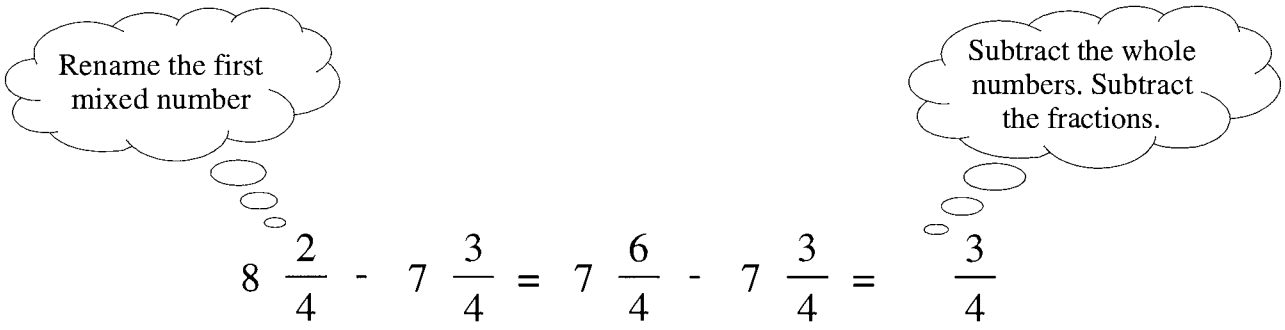
$3\ \frac{5}{6} + 3\ \frac{5}{6} =$

$5\ \frac{5}{6} + 5\ \frac{4}{6} =$

$6\ \frac{9}{10} + 8\ \frac{3}{10} =$

$6\ \frac{3}{8} + 2\ \frac{7}{8} =$

Subtract Mixed Numbers w/ Like Denominators (A)



$9\frac{3}{11} - 4\frac{5}{11} =$

$5\frac{5}{10} - 1\frac{6}{10} =$

$9\frac{2}{4} - 6\frac{3}{4} =$

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

$9\frac{5}{7} - 3\frac{6}{7} =$

$6\frac{2}{11} - 5\frac{5}{11} =$

$9\frac{4}{9} - 6\frac{6}{9} =$

Adding and Subtracting Mixed Fractions (A)

Find the value of each expression in lowest terms.

1. $1\frac{9}{11}+2\frac{2}{11}$

2. $9\frac{1}{2}+7\frac{1}{2}$

3. $1\frac{1}{12}+1\frac{11}{12}$

4. $1\frac{9}{11}+1\frac{1}{11}$

5. $3\frac{3}{4}-1\frac{1}{4}$

6. $8\frac{1}{2}-7\frac{1}{2}$

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

8. $1\frac{7}{12}+1\frac{11}{12}$

9. $2\frac{1}{9}-2\frac{1}{9}$

10. $2\frac{1}{9}-1\frac{7}{9}$

11. $1\frac{1}{3}+6\frac{2}{3}$

12. $2\frac{1}{10}+2\frac{3}{10}$

Converting Lengths (A)

Convert the lengths in the problems below.

____ feet = 9 yards

____ inches = 8 feet

5 feet = ____ inches

3 feet = ____ inches

288 inches = ____ yards

2 yards = ____ feet

____ yards = 108 inches

15 feet = ____ yards

4 yards = ____ inches

3 feet = ____ inches

How many feet are in 6 yards? _____

How many inches are in 7 feet? _____

How many inches are in 4 feet? _____

How many feet are in 8 yards? _____

How many inches are in 5 feet? _____

Underline the longer length: 14 feet 3 yards

Underline the shorter length: 144 inches 7 yards

Converting Ounces and Pounds (A)

Convert the mass units in the problems below.

____ pounds = 80 ounces	____ pounds = 32 ounces
____ pounds = 240 ounces	17 pounds = ____ ounces
____ tons = 14,000 pounds	____ tons = 28,000 pounds
____ tons = 12,000 pounds	____ pounds = 48 ounces
____ pounds = 224 ounces	5 tons = ____ pounds
9 pounds = ____ ounces	7 pounds = ____ ounces
5 pounds = ____ ounces	14 tons = ____ pounds
____ tons = 14,000 pounds	____ pounds = 48 ounces
____ tons = 20,000 pounds	7 tons = ____ pounds
____ pounds = 64 ounces	____ pounds = 112 ounces

Converting Liquid Measures (A)

Convert the liquid measures in the problems below.

____ pints = 2 gallons

____ pint = 2 cups

____ quarts = 10 pints

____ gallons = 48 cups

3 quarts = ____ gills

____ pints = 32 fluid ounces

____ cups = 24 fluid ounces

5 gallons = ____ gills

96 gills = ____ gallons

8 gills = ____ cups

How many fluid ounces are in 4 gills? _____

How many gills are in 2 gallons? _____

How many gills are in 5 quarts? _____

How many pints are in 4 quarts? _____

How many fluid ounces are in 4 gills? _____

Underline the greater volume: 165 fluid ounces 5 quarts

Underline the lesser volume: 64 cups 9 gallons