# Summer Colon Reinforcement Colon Col

for incoming 5<sup>th</sup> Grade Students

# Success in Mathematics!

### Dear Students,

This booklet was designed to review math concepts and to improve math performance. There are eight facts practice pages and eight skill practice pages. For best results, complete one facts practice and one skills practice a week. You may be overwhelmed completing it in one or two days, and will be counter-productive to its purpose. Please show as much work as possible.

Mom or Dad may help you with the work if you need it, but try to do as much as you can by yourself. All of the problems in this booklet are things that you worked on in 4<sup>th</sup> grade.

This booklet will be collected in the first week of school. Have a great summer!

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## Facts Practice 1: Multiplication

6x0=	7x2=	11x5=	10x11 =	11x4=
10x11 =	9x3=	3x9=	6x11=	7x1 =
6x5=	11x4=	4x5=	6x9=	6x8=
4x11=	9x2=	5x2=	10x4=	5x2=
2x1=	7x8=	4x6=	11x5=	6x10=
3x6=	11x8=	2x3=	9x5=	5x7=
5x2=	11x6=	5x0=	4x9=	11x2=
4x7=	9x8=	7x8=	4x8=	9x8=
5x5=	11x9=	10x3=	5x6=	8x4=
3x5=	9x1=	4x8=	12x11=	10x9=

		T
1.	2.	3. Solve the expression. Use
34	999	Order of Operations
	777	order or operations
x 28	+ 813	
		$6 \times 7 - 8 \div 4$
4. List the first 5 multiples	5. Use the distributive	6. Name the rule and list the
of:	property to solve:	next three terms in the
2:		pattern.
2		
	$9 \times (4 + 11)$	61, 55, 49, 43, 37
4:		
6:		
0		
	0.717	
7. Write two equivalent	8. Write each improper	9. Solve:
fractions for each fraction.	fraction as a mixed number.	19.78 + 4.6 =
2	37	
$\frac{1}{3} = \frac{1}{3}$	$\left  \frac{}{5} \right  =$	
3	5	
3	19	
$\frac{3}{5}$ =	$\left  \frac{}{4} \right  =$	
3	4	
10. Classify in as many ways	11. Fill in the blanks.	12. How much time has
	11.1 III III the blanks.	
possible.		elapsed?
	inches = 3 feet	
		10:40 P.M. to 1:40 A.M.
<i>F F</i>	feet = 6 yards	
/	reet = 0 yards	
13. What is the degree	14. Find the area and	15. Sarah has 4 notebooks.
measure of the angle?	perimeter.	Each notebook has 205
measure or one ungier	Permieteri	
<del>&lt; →</del>	F am	pages. How many pages are
	5 cm	there in all?
	1 cm	

1. 179 ÷ 4 =	2. 70,076 - 5,895	3. Solve the expression. Use Order of Operations  3 x 20 - 5
4. List the factors of:         21:         7:	5. Use the distributive property to solve:  3 x (8 + 12)	6. Name the rule and list the next three terms in the pattern. 10, 18, 26, 34, 42
7. Write each fraction in simplest form. $\frac{3}{12} = \frac{4}{10} = 10.$	8. Write each decimal: sixty-five and four thousandths  one hundred two and two hundredths  11. Fill in the blanks.  inches = 2 yards	9. Solve: 6.76 - 0.3 =  12. Find the missing number.
Name the angle: What type of angle is it?	feet = 1 mile	60 x = 2,400
13. What fraction of a turn is this angle?	14. Find the area and perimeter.  7 in 2 in	15. Find the mean, median, and mode.

## Facts Practice 3: Multiplication

7x7=	11x7=	12x4=	9x11=	9x9=
6x9=	1x5=	4x8=	10x10 =	8x6=
3x6=	11x11=	1x7=	11x9=	9x10=
4x7=	5x5=	1x2=	3x11=	10x8=
6x8=	3x8=	10x12=	4x10=	9 <sub>x</sub> 9=
1x4=	7x5=	4x11=	8x4=	4x9=
7x4=	9x2=	3x4=	4x9=	10x5=
3x11=	7x10=	7x9=	5x10=	10x4=
9 <sub>X</sub> 9=	3x11=	1x3=	0x5=	9x5=
12x5=	5x10=	8x9=	5x8=	7x8=

1. 827 x 32	1,675 + 1,092	3. Solve the expression. Use Order of Operations (24+2)÷2
4. List the first 5 multiples of: 3:  5: 7:	5. Use the distributive property to solve: $4 \times (10 + 7)$	6. Name the rule and list the next three terms in the pattern. 5, 4, 8, 7, 14
7. Write the fractions as fractions with a common dominator. $\frac{3}{4}$ and $\frac{1}{3}$	8. Write each decimal in word form. 302.78	9. Solve: 14.2 + 0.23 =
10. Name the type of angle.	<ul> <li>11. Fill in the blanks.</li> <li>20 quarts = gallons</li> <li>7 tons = pounds</li> </ul>	12. How much time has elapsed? 2:20 P.M. to 5:57 P.M.
13. What is the best estimate for the measure of this angle? 80°, 120°, or 30°	14. Find the area and perimeter.  5 cm 4 cm	15. Carl put 42 cards into equal stacks of 7. How many stacks did he make?

7. 
$$20 \div 4 =$$

	Skills i ractice i	
1. 2,783 ÷ 5 =	2. 1,002	3. Solve the expression. Use Order of Operations
	<u>- 99</u>	$18 \div 2 + 4$
4. List the factors of:	5. Use the distributive property to solve:	6. Name the rule and list the next three terms in the
9:	6 x (12 + 8)	pattern. 56, 67, 78, 89, 100
33:	0 h (12 + 0)	
7. Compare using $\langle , \rangle$ , or $=$ .	8. Compare using $\langle , \rangle$ , or $=$ .	9. Solve: 67 - 0.2 =
$\frac{1}{9}$ — $\frac{1}{10}$	0.67 0.6	
$\frac{2}{3} - \frac{1}{5}$	3.28 3.289	
10. Parallel, perpendicular, or intersecting?	11. Fill in the blanks.	12.
E .	72 inches = feet	500,000 + 30,000 + 400
G F	4 pounds = ounces	+20 + 7 =
12	14. Find the area and perimeter.  20 ft	15. Susie used 0.75 cup of sugar in a batch of brownies. What fraction of a cup did she use?
13. What is the best estimate for the measure of this angle?	4 ft	
80°, 120°, or 30°		

## Facts Practice 5: Multiplication

7x3=	0x2=	1x6=	6x4=	9x4=
6x11=	10x2=	11x3=	11x8=	11x1=
8x10=	3x6=	3x0=	11x5=	11x11=
10x12=	10x10=	2x5=	6x5=	7x1=
8x1=	1x7=	3x1=	2x6=	8x5=
9x8=	5x0=	8x2=	1x0=	10x6=
2x6=	8x11=	6x1=	10x9=	6x11=
9x7=	12x7=	10x1=	6x0=	9x10=
9x4=	5x7=	5x4=	11x5=	4x9=
7x0=	5x6=	4x8=	1x1=	12x2=

1. 59 x 8	2. 123,192 + 9,585	3. Solve the expression. Use Order of Operations 9 x (3-1)
4. List the first 5 multiples of: 8:  9:  10:	5. Use the distributive property to solve:  6 x (11 + 5)	6. Name the rule and list the next three terms in the pattern. 10, 20, 18, 36, 34
7. Solve. $1 - \frac{1}{5} =$	8. Order the decimals from least to greatest. 38.09; 308.90; 38.04; 38.90	9. Solve: 783.4 + 46.374 =
10. Draw and label: ray LM	<ul> <li>11. Fill in the blanks.</li> <li>2 miles = feet</li> <li>20 pints = quarts</li> </ul>	12. How much time has elapsed? 3:00 A.M. to 7:14 A.M.
13. Classify the triangle as acute, obtuse, or right.	14. Find the area and perimeter.  12 in  4 in	15. Willy has 1,850 crayons. Lucy has 739 crayons. How many more crayons does Willy have than Lucy?

2. 
$$36 \div 9 =$$

**15.** 
$$7 \div 7 =$$

	Skills Flactice U	
1. 932 ÷ 3 =	2. 121,192 - 3,485	3. Solve the expression. Use Order of Operations $21 \div 3 + (3 \times 9)$
4. List the factors of:  12:	5. Use the distributive property to solve:  7 x (9 + 9)	6. Name the rule and list the next three terms in the pattern. 2, 4, 8, 16, 32
30:  7. Solve. $\frac{6}{10} + \frac{5}{10} =$	8. Write the number as tenths in fraction form and decimal form. $\frac{40}{100} =$	9. Solve: 18.237 - 15=
10. Classify in as many ways possible.	11. Compare using <, >, or =. 12 cups 4 pints 5 yards 20 feet	12. Round to the nearest thousand place.  4,799  12,200  15,231
13. Classify the triangle as acute, obtuse, or right.	14. Find the area and perimeter.  15 in  15 in	15. On Monday, 395 students went on a trip to the zoo. All 9 buses were filled and 8 students had to travel in cars. How many students were in each bus?

## Facts Practice 7: Multiplication

7x5=	0x4 =	4x6=	8x2=	4x1 =
12x5=	12x1=	8x2=	7x1 =	1x9=
4x4=	11x1=	7x1 =	1x3=	4x7=
8x10=	3x8=	3x8=	9 <sub>x</sub> 8=	2x3=
5x4=	10x9=	10x2=	5x10=	8x9=
10x11=	0x1 =	7x7=	2x2=	4x11=
12x6=	5x11=	4x11=	10x1 =	8x6=
8x7=	1x1=	8x4=	8x3=	7x5=
3x7=	2x10=	4x6=	1x4=	11x6=
6x10=	10x12 =	12x5=	5x6=	5x7=

1. 527 x 14	2. 338,289 + 3,784	3. Solve the expression. Use Order of Operations $36 \div 9 + 48 - 10 \div 2$
4. Prime or Composite?  9:  33:	5. Use the distributive property to solve: $2 \times (3 + 10)$	6. Name the rule and list the next three terms in the pattern. 28, 20, 24, 16, 20
7. Order from least to greatest. $\frac{3}{8}, \frac{1}{4}, \frac{1}{2}$	8. Write the number as hundredths in fraction form and decimal form. $\frac{7}{10}$	9. Solve: 348.09 + 0.05 =
10. Classify in as many ways possible.	11. Compare using <, >, or =. 2 tons 4,000 pounds 3 quarts 8 pints	12. How much time has elapsed? 7:20 A.M. to 9:49 A.M.
13. 3 cm Classify the triangle by its sides and angles.	14. Find the area and perimeter.  5 ft 3 ft	15. Ben and Michael are brothers. Ben is four times as old as Michael, and their combined ages is 25. How old is Ben?

1. 
$$55 \div 11 =$$

**2.** 
$$110 \div 11 =$$

3. 
$$35 \div 7 =$$

**4.** 
$$45 \div 5 =$$

**5.** 
$$40 \div 5 =$$

**6.** 
$$5 \div 5 =$$

7. 
$$96 \div 12 =$$

8. 
$$8 \div 2 =$$

**9.** 
$$121 \div 11 =$$

**10.** 
$$10 \div 2 =$$

**11.** 
$$110 \div 10 =$$

**12.** 
$$1 \div 1 =$$

13. 
$$54 \div 6 =$$

**14.** 
$$10 \div 1 =$$

**15.** 
$$40 \div 5 =$$

**16.** 
$$24 \div 3 =$$

**17.** 
$$3 \div 1 =$$

**18.** 
$$27 \div 3 =$$

**19.** 
$$7 \div 1 =$$

**20.** 
$$12 \div 2 =$$

**21.** 
$$35 \div 7 =$$

**22.** 
$$16 \div 4 =$$

**23.** 
$$70 \div 7 =$$

**26.** 
$$10 \div 2 =$$

**27.** 
$$11 \div 1 =$$

**29.** 
$$4 \div 2 =$$

**30.** 
$$1 \div 1 =$$

**33.** 
$$6 \div 3 =$$

**34.** 
$$40 \div 4 =$$

**35.** 
$$35 \div 5 =$$

**36.** 
$$72 \div 12 =$$

**37.** 
$$50 \div 10 =$$

**39.** 
$$36 \div 4 =$$

**40.** 
$$72 \div 6 =$$

**41.** 
$$80 \div 8 =$$

**48.** 
$$40 \div 4 =$$

**50.** 
$$10 \div 5 =$$

	Skills Flactice o	
1. 502 ÷ 5 =	2. 982,274 - 229,882	3. Solve the expression. Use Order of Operations $8 \times 3 + 70 \div 7 - 7$
4. Prime or Composite?         12:         7:	5. Use the distributive property to solve:  3 x (8 + 4)	6. Name the rule and list the next three terms in the pattern.  1, 1, 2, 3, 5, 8, 13
7. Write the mixed numbers as improper fractions.  4 $\frac{1}{3}$ =  7 $\frac{2}{10}$ =	8. Write the fraction as a money amount. $\frac{4}{100} =$	9. Solve: 30 - 0.56 =
10. Parallel, perpendicular, or intersecting?	<ul> <li>11. Fill in the blank.</li> <li>2 cups = fluid ounces</li> <li>4 feet = inches</li> </ul>	12. The value of the 1 in 154,985 is
13. 4 cm Classify the triangle by its sides and angles.	14. Find the area and perimeter.  10 yd  2 yd	15. Anna's dad is 36. He is 9 times as old as she is. How old is Anna?