



SUMMER MATH REVIEW
FOR STUDENTS ENTERING GRADE 7

NAME: _____

Dear Fontbonne Academy Student,

The purpose of this Summer Math Assignments Packet is to help you maintain the math skills that you worked so hard to learn so far. When you return to school in September you should be confident in your ability to learn new and challenging concepts.

INSTRUCTIONS:

1. DO NOT USE A CALCULATOR

2. Ideally, you should do one assignment per week during the summer. You must complete the whole packet and bring it to your first math class in September.
3. You should do all your work neatly on the assignment page. If you need scratch paper, do your work neatly and put the assignment number and problem number on the scratch paper. Keep your scratch paper and bring it to school in September with your packet.

Good luck,

Have a great summer and see you in September!

To be successful in math, it is **essential that you are fluent in your addition and multiplication facts**. This means you should be able to recall basic facts **quickly and accurately—without needing to count or use a calculator**.

Being fluent with your math facts will help you:

- Solve more complex problems with confidence,
- Work more efficiently during lessons and tests, and
- Build a strong foundation for higher-level math.

You are expected to practice your addition and multiplication facts regularly until you can recall them automatically. Consistent practice will make math easier, faster, and more enjoyable!

How You Can Practice Your Math Facts:

1. **Make and use flashcards** — practice a few minutes each day.
2. **Play online math games** like *XtraMath*, *Prodigy*, *Khan Academy*, or *Math Playground*.
3. **Set a timer** for 2–3 minutes and see how many facts you can answer correctly — then try to beat your score next time!
4. **Write fact families** (for example, $3 \times 4 = 12$, $4 \times 3 = 12$, $12 \div 4 = 3$, $12 \div 3 = 4$).
5. **Practice with a friend or family member** — quiz each other or make it a fun competition.
6. **Use math apps** that build speed and accuracy through repetition and games.
7. **Make it fun** — create chants, songs, or rhythms to remember tricky facts.

ADDITION CHART

+	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12	13
2	2	3	4	5	6	7	8	9	10	11	12	13	14
3	3	4	5	6	7	8	9	10	11	12	13	14	15
4	4	5	6	7	8	9	10	11	12	13	14	15	16
5	5	6	7	8	9	10	11	12	13	14	15	16	17
6	6	7	8	9	10	11	12	13	14	15	16	17	18
7	7	8	9	10	11	12	13	14	15	16	17	18	19
8	8	9	10	11	12	13	14	15	16	17	18	19	20
9	9	10	11	12	13	14	15	16	17	18	19	20	21
10	10	11	12	13	14	15	16	17	18	19	20	21	22
11	11	12	13	14	15	16	17	18	19	20	21	22	23
12	12	13	14	15	16	17	18	19	20	21	22	23	24

MULTIPLICATION CHART TO 12X12

X	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Week 1 - Place Value

1) In 63,749, what is the value of 7?	2) In 908,326, what is the place value of 9?
3) In 71,402, what is the value of 1?	4) In 27,941, what is the value of the 1?
5) In 3.482, what is the place value of 8?	6) In 0.76, what is the value of 7?
7) In 12.305, what is the place of 5?	8) In 45.608, what is the value of 6?
9) In 9.037, what is the place value of 3?	10) In 7,254.63, what is the value of 2?

Evaluate DO NOT USE A CALCULATOR

1) $4,368 + 7,952$	2) $5,032.4 + 218.95$
3) $607 + 3,892 + 4,506$	4) $12,000 - 8,749$
5) $63.85 - 47.4$	6) $2,503.6 - 1,874.9$
7) 246×37	8) 3.6×4.2

9) 0.47×0.125

10) $4,320 \div 16$

11) $96.6 \div 3$

12) $42.8 \div 0.4$

Week 2: Operations with Integers DO NOT USE A CALCULATOR

1. The temperature outside was -3°F in the morning. By afternoon, it increased by 8°F . What is the new temperature?

2. A scuba diver is at -25 feet below sea level. She rises 12 feet. What is her new position?

3. A bank account has a balance of $-\$45$. After depositing $\$70$, what is the new balance?

4. An elevator starts on the 6th floor and goes down 9 floors. What floor does the elevator end on?

5. A football team loses 7 yards on one play and gains 15 yards on the next play. What is the team's total change in yards?

6. During a game, a player earned 10 points but later lost 4 points because of a penalty. What is the player's final score change?
7. The stock market dropped 18 points in the morning and rose 11 points in the afternoon. What was the overall change for the day?
8. A hiker is at an elevation of 1,200 feet and descends 350 feet. What is the hiker's new elevation?
9. A submarine is at -120 meters. It dives another 35 meters. What is its new depth?
10. Maria owed her friend \$12. After earning \$20 babysitting, she paid back the money she owed. How much money does she have left?

Evaluate DO NOT USE A CALCULATOR

1) $(-7) + 12$	2) $15 + (-9)$
3) $-18 - (-7)$	4) $23 - 36$
5) $-11 + (-8)$	6) $-25 - 14$
7) $9 - (-5)$	8) $-3 + 27$
9) $0 - (-12)$	10) $-40 + 16$
11) $(-6) \times 9$	12) $8 \times (-7)$
13) $(-12) \div 3$	14) $24 \div (-4)$
15) $(-9) \times (-5)$	16) $(-36) \div (-6)$
17) $15 \times (-2)$	18) $(-8) \div 4$
19) $(-3) \times 7$	20) $42 \div (-7)$

Week 3 - Operations with Fractions. Write all answers in simplest form.**DO NOT USE A CALCULATOR**

1) $\frac{5}{6} - \frac{1}{6}$	2) $\frac{2}{9} + \frac{5}{9}$
3) $\frac{7}{8} - \frac{1}{8}$	4) $\frac{2}{5} \times \frac{3}{5}$
5) $\frac{7}{10} \div \frac{1}{10}$	6) $\frac{3}{4} + \frac{2}{5}$
7) $\frac{9}{10} - \frac{2}{3}$	8) $\frac{2}{3} \times 6$
9) $5 \times \frac{3}{8}$	10) $\frac{4}{9} \div 2$

11) $\frac{5}{12} + \frac{1}{6}$	12) $\frac{7}{8} - \frac{5}{16}$
13) $\frac{3}{10} + \frac{4}{5}$	14) $\frac{9}{11} - \frac{2}{11}$
15) $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4}$	16) $\frac{3}{5} \div \frac{9}{10}$
17) $\frac{6}{7} + \frac{5}{14}$	18) $\frac{1}{4} + \frac{3}{8} - \frac{3}{16}$
19) $\frac{9}{10} - \frac{4}{5}$	20) $\frac{1}{2} + \frac{3}{6}$

Week 4 - Fill in the missing values in the table below. DO NOT USE A CALCULATOR

Fraction	Decimal	Percent		Fraction	Decimal	Percent
$\frac{1}{2}$				$\frac{1}{3}$		
$\frac{3}{4}$				$\frac{1}{25}$		
$\frac{2}{5}$				$\frac{7}{10}$		
$\frac{7}{8}$				$\frac{1}{20}$		
$\frac{9}{10}$				$\frac{2}{3}$		
	0.25				0.1	
	0.6				0.35	
	0.125				$0.\bar{6}$	
	0.4				0.65	
	0.75				0.95	
		45%				100%
		20%				30%
		37.5%				85%
		80%				15%
		62.5%				55%

Compare using $>$, $<$, or $=$

DO NOT USE A CALCULATOR

1) $\frac{3}{4}$ _____ 0.7	2) $\frac{5}{8}$ _____ 0.6
3) $1\frac{1}{2}$ _____ 1.4	4) 2.25 _____ $2\frac{1}{4}$
5) $\frac{7}{10}$ _____ 0.68	6) $3\frac{2}{5}$ _____ 3.4
7) $\frac{9}{20}$ _____ 0.5	8) 0.875 _____ $\frac{7}{8}$
9) 4.05 _____ $4\frac{1}{20}$	10) $\frac{5}{6}$ _____ $\frac{4}{5}$

Week 5 DO NOT USE A CALCULATOR

Identify each number as prime or composite. Write the prime factorization of each number (if possible).

1) 2	2) 3
3) 47	4) 55
5) 21	6) 76
7) 51	8) 16
9) 17	10) 64
11) 54	12) 63
13) 56	14) 57

Week 6: Find the Greatest Common Factor and Least Common Multiple**DO NOT USE A CALCULATOR**

1. Find the GCF of 12 and 18.	2. Find the GCF of 45 and 60.
3. Find the GCF of 20 and 50.	4. Find the GCF of 27 and 63.
5. Find the GCF of 24, 36, and 48.	

Find the Least Common Multiple or LCM

1. Find the LCM of 5 and 8.	2. Find the LCM of 9 and 12.
3. Find the LCM of 6 and 16.	4. Find the LCM of 7 and 14.
5. Find the LCM of 5, 10, and 15.	

Week 7 DO NOT USE A CALCULATOR**All answers should be in simplest form.****1) What fraction of an hour is:**

20 minutes? _____ 15 minutes? _____

45 minutes? _____ 50 minutes? _____

2) What fraction of a yard is:

9 inches? _____ 20 inches? _____

1 foot? _____ 2 feet? _____

3) What fraction of a dollar is:

20 pennies? _____ 6 nickels? _____

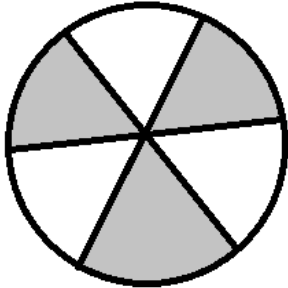
8 dimes? _____ 2 quarters? _____

4) Wanda has six bags of sugar, each weighing 8 ounces. Sue had four bags of sugar, each weighing 1 pound. Who had the most sugar in weight? _____

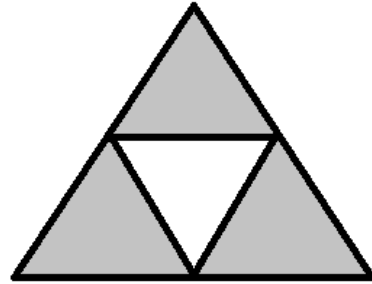
Write all answers as fractions in simplest form.

What fraction of the figure is shaded?

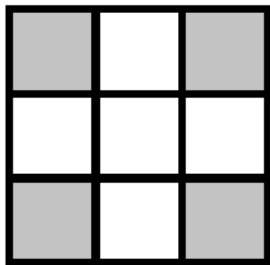
5)



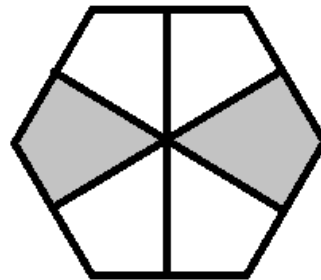
6)



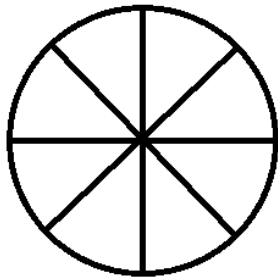
7)



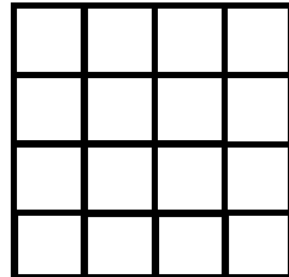
8)



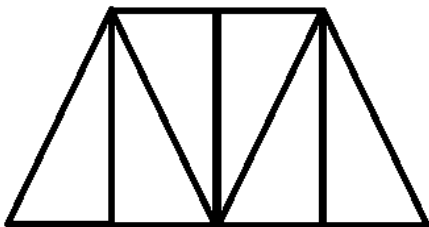
9) Shade $\frac{3}{4}$ of the figure.



10) Shade $\frac{3}{8}$ of the figure.



11) Shade $\frac{2}{3}$ of the figure.



12) Shade $\frac{3}{4}$ of the figure.

