Math Summer Work
for students entering 7th grade

Summer math practice is assigned to help students maintain the progress they've made this year. Research shows that students benefit more from shorter, more frequent practice sessions rather than longer, less frequent ones. Our recommendation is that students work 10–15 minutes, three times per week. We also understand that summer includes vacations, activities, and other commitments, so we know some sessions may be missed. The goal is simply to keep students' "math brain" active over the break so they are prepared for a fresh start in 7th grade.

Students will complete both paper/pencil and digital practice. They will complete a packet of review skills/fluency. **All work should be shown in order to receive credit**. In addition, students should complete 100 questions in IXL for the month of June and 100 questions for the month of July for a total of 200 questions. Unique questions must be from levels E-H in order to count. Students can work on the teacher-assigned lessons.

When we return in August, the summer math work will count as a minor grade. Please refer to the grading scale below.
Please note: Work is to be completed and turned in by Friday, August 14th. Each day late is 10% off the final grade. No summer work will be accepted after August 19th.

I hope everyone has a wonderful summer break. Please reach out if you have any questions.

Blessings,
Terri Johnson

Name _____

Summer Math Packet for Entering 7th Graders

Show all work. Attach scratch paper to the back of this packet. Put your name on each page.

Students should also work on IXL to complete 100 correct questions in June and then 100 correct questions in July.

1. If Justin can type 408 words in 4 minutes, how many words can he type per minute?

   a) 102 words per minute
   b) 100 words per minute
   c) 400 words per minute
   d) 412 words per minute

2. Will spent $3.75 for 3 pounds of granola. What is his unit rate in dollars per pound?

   a) $1.25 per pound
   b) $1 per pound
   c) $2 per pound
   d) $1.50 per pound

3. A store sees 120 customers in 8 hours. What is the unit rate (in customers per hour)?

   a) 16 customers per hour
   b) 15 customers per hour
   c) 12 customers per hour
   d) 20 customers per hour

4. You spend $40 on 5 pounds of concrete. What is the unit rate in dollars per pound?

   a) $8 per pound
   b) $5 per pound
   c) $35 per pound
   d) 0.125 pounds per dollar

5. I paid $15.00 for 6 gallons of gasoline.
   What was the price PER gallon?

   a) $0.40
   b) $9.00
   c) $2.50
   d) $0.90

6. My mother purchased 8 Pepsi products at Bi-Lo for $14.00. What is the price per product?

   a) $2.00 per product
   b) $1.50 per product
   c) $1.75 per product

7. My mother purchased 9 candy bars at Food Lion for $13.50. What is the price per candy bar?

   a) $2.00 per product
   b) $1.50 per product
   c) $1.75 per product

8. My father drove 231 miles with 7 gallons of gas. What was his mileage (miles per gallon)?

   a) 35 miles per gallon
   b) 33 miles per gallon
   c) 37 miles per gallon

9. It cost me $46.80 to fill my 13-gallon gas tank. What was the price of gas per gallon?

   a) $3.60
   b) $3.55
   c) $3.40
   d) $3.50

10. You're throwing a party, and you ordered 15 pizzas for your guests. Your total came to $97.50. What was your unit cost per pizza?

    a) $4.95 per pizza
    b) $5.75 per pizza
    c) $7.25 per pizza
    d) $6.50 per pizza

11. A sixth-grade math teacher can grade 25 homework assignments in 20 minutes. Is he working at a faster rate or slower rate than grading 36 homework assignments in 30 minutes?

a) Slower rate
b) Faster rate
c) He didn't grade them
d) Everyone got 100

12. 

Four pounds of bananas cost $6. What is the cost per pound of bananas?

a) $24 per pound
b) $1.50 per pound
c) $1 per pound
d) $6 per pound

13. Alycia earned $20.40 in 3 hours. What is her unit rate in dollars per hour?

a) $7 per hour
b) $6 per hour
c) $6.80 per hour
d) $17.40 per hour

14. Which is the slowest reading rate?

a) 3 pages in 9 minutes
b) 4 pages in 10 minutes
c) 5 pages in 13 minutes
d) 7 pages in 20 minutes

15. Christina biked 36 miles in 6 hours. If she biked at a constant speed, how many miles did she ride in one hour?

a) 6 mph
b) 216 mph
c) 30 mph
d) 42 mph

16. Joshua drove 90 miles on 15 gallons of gas. Find the unit rate.

a) 0.17 mpg
b) 135 mpg
c) 6 mpg
d) 75 mpg

17. Harry bought 25 pens for $1.00. Find the unit rate.

a) $4 per pen
b) $0.4 per pen
c) $25 per pen
d) $0.04 per pen

18. Ilana made $45 babysitting for 6 hours. How much does she make per hour?

a) $75 per hour
b) $7.50 per hour
c) $270 per hour
d) $2.70 per hour

19. Rose spent $2.00 for 20 pieces of gum. Joe spent $1.50 for 10 pieces of gum. Who got the better deal?

a) Joe
b) Rose
c) Mrs. Hoyme
d) William

20. Jack jumps 40 times per 4 minutes. How many times does he jump per 1 minute?

a) 5
b) 10
c) 40
d) 36

1. $\frac{1}{6} \div \frac{3}{2} = \frac{1}{6} \times \frac{2}{3} = \frac{2}{18} = \frac{1}{9}$
   Inversion · Result · Simplify

2. $\frac{7}{8} \div \frac{7}{3} = \frac{\quad}{\quad} \times \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

3. $\frac{1}{8} \times \frac{3}{2} = \frac{\quad}{\quad}$

4. $\frac{4}{3} \times \frac{1}{2} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

5. $\frac{5}{4} \times \frac{1}{4} = \frac{\quad}{\quad}$

6. $\frac{1}{4} \times \frac{4}{3} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

7. $\frac{1}{3} \times \frac{5}{2} = \frac{\quad}{\quad}$

8. $\frac{5}{8} \div \frac{5}{3} = \frac{\quad}{\quad} \times \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

9. $\frac{1}{3} \div \frac{9}{4} = \frac{\quad}{\quad} \times \frac{\quad}{\quad} = \frac{\quad}{\quad}$

10. $\frac{3}{4} \div \frac{13}{5} = \frac{\quad}{\quad} \times \frac{\quad}{\quad} = \frac{\quad}{\quad}$

1. $\frac{34}{10} - \frac{4}{5} = \frac{34}{10} - \frac{8}{10} = \frac{26}{10} = \frac{13}{5} = 2\frac{3}{5}$
   Denominator · Solve · Simplify · Convert ↓

2. $\frac{40}{14} - \frac{1}{2} = \frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

3. $\frac{13}{6} + \frac{53}{18} = \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

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

5. $\frac{5}{3} - \frac{6}{18} = \frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

6. $\frac{14}{4} - \frac{7}{8} = \frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

7. $\frac{19}{5} + \frac{7}{10} = \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

8. $\frac{7}{4} + \frac{6}{8} = \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

9. $\frac{4}{7} + \frac{49}{14} = \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

10. $\frac{5}{3} - \frac{9}{18} = \frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

Addition and Subtraction

1. 567 + 348 = ___
2. 1,245 – 678 = ___
3. 8,932 + 4,517 = ___
4. 10,000 – 2,486 = ___
5. 2,356 + 7,489 = ___
6. 15,762 – 8,493 = ___
7. 3,245 + 6,879 = ___
8. 12,345 – 9,876 = ___
9. 5,678 + 2,345 = ___
10. 7,200 – 3,456 = ___
11. 4.75 + 3.6 = ___
12. 12.3 – 7.85 = ___
13. 8.45 + 6.32 = ___
14. 15.6 – 9.47 = ___
15. 23.8 + 14.25 = ___
16. 100.5 – 48.75 = ___
17. 36.7 + 18.9 = ___
18. 90.6 – 25.45 = ___
19. 57.3 + 42.8 = ___
20. 120.4 – 75.65 = ___

Long Division with remainders within 1-10,000

[redacted] Division Worksheet

Find the quotient with remainder.

1. $7\overline{)9,831}$

2. $3\overline{)2,009}$

3. $5\overline{)6,658}$

4. $5\overline{)7,664}$

5. $6\overline{)9,170}$

6. $9\overline{)1,824}$

7. $3\overline{)3,622}$

8. $7\overline{)8,331}$

9. $3\overline{)7,062}$

Name : _____ Score : _____

Teacher : _____ Date : _____

Dividing Fractions

1) $\frac{2}{10} \div \frac{1}{2} =$

2) $\frac{2}{3} \div \frac{4}{6} =$

3) $\frac{8}{10} \div \frac{1}{7} =$

4) $\frac{5}{10} \div \frac{7}{8} =$

5) $\frac{1}{3} \div \frac{3}{9} =$

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

7) $\frac{4}{10} \div \frac{3}{5} =$

8) $\frac{1}{4} \div \frac{1}{6} =$

9) $\frac{5}{7} \div \frac{2}{10} =$

10) $\frac{6}{7} \div \frac{4}{5} =$