



Name _____

Date _____

7th Grade Math Teacher _____

7th Grade School Attended: _____

Rising 7th Grade Summer 2014 Mathematics Packet

Welcome to 7th Grade Math!!! Your journey to a successful year in the 7th grade starts this summer!! This packet is comprised of the important concepts necessary for success in 7th grade math. **Completion of the packet is mandatory for all 7th grade students and will be counted as the first test grade for the 7th grade year.** As you complete this packet, **show all steps** used to arrive at your final answer. See you in August!!

Directions: Circle whether you think you are VERY GOOD, **GOOD**, or **NOT GOOD** for each of the following math skills. Then, complete the problems for each skill.

ADDING

WHOLE NUMBERS

VERY GOOD

GOOD

NOT GOOD

1) $25 + 18 =$ _____

2) $356 + 225 =$ _____

3) $1,565 + 36 =$ _____

DECIMALS

VERY GOOD

GOOD

NOT GOOD

4) $0.25 + 0.12 =$ _____

5) $5.67 + 3.906 =$ _____

6) $15.6 + 3.45 =$ _____

FRACTIONS

VERY GOOD

GOOD

NOT GOOD

7) $\frac{5}{11} + \frac{2}{11} =$ _____

8) $\frac{2}{3} + \frac{5}{12} =$ _____

9) $21\frac{5}{8} + 4\frac{1}{4} =$ _____

INTEGERS

VERY GOOD

GOOD

NOT GOOD

10) $6 + -2 =$ _____

11) $8 + -5 =$ _____

12) $22 + -4 =$ _____

SUBTRACTING

WHOLE NUMBERS

VERY GOOD

GOOD

NOT GOOD

1) $25 - 12 =$ _____

2) $394 - 22 =$ _____

3) $1,526 - 325 =$ _____

DECIMALS

VERY GOOD

GOOD

NOT GOOD

4) $0.3 - 0.12 =$ _____

5) $12.564 - 0.35 =$ _____

6) $212.3 - 5.08 =$ _____

FRACTIONS

VERY GOOD

GOOD

NOT GOOD

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

8) $1\frac{3}{4} - 11\frac{4}{5} =$ _____

9) $12\frac{5}{6} - 11\frac{4}{5} =$ _____

INTEGERS

VERY GOOD

GOOD

NOT GOOD

10) $12 - -5 =$ _____

11) $-365 - 62 =$ _____

12) $2.3 - 6.8 =$ _____

ORDER OF OPERATIONS

VERY GOOD

GOOD

NOT GOOD

1) $2 + 3^2 - 4 =$ _____

2) $5 + 36 - 12 \times 3 =$ _____

3) $9 \div 3 \times 2 + (7 - 5) =$ _____

MULTIPLYING

WHOLE NUMBERS

VERY GOOD

GOOD

NOT GOOD

1) $32 \times 5 =$ _____

2) $42 \times 362 =$ _____

3) $1,237 \times 352 =$ _____

DECIMALS

VERY GOOD

GOOD

NOT GOOD

4) $12.356 \times 0.32 =$ _____

5) $1.2 \times 5.326 =$ _____

6) $2.3 \times 5.62 =$ _____

FRACTIONS

VERY GOOD

GOOD

NOT GOOD

7) $\frac{1}{2} \times \frac{5}{6} =$ _____

8) $5\frac{3}{4} \times 2\frac{3}{7} =$ _____

9) $\frac{12}{23} \times 2\frac{3}{4} =$ _____

INTEGERS

VERY GOOD

GOOD

NOT GOOD

10) $4 \times 21 =$ _____

11) $251 \times -51 =$ _____

12) $-24 \times -32 =$ _____

Addition & Subtraction Word Problems

Workspace

1. The population of a New York City was 8,363,710 in 2008. It was expected to increase by 1,201,987 by the end of 2009. What was the expected population of New York City at the end of 2009? Answer = _____	
2. Mr. Jackson wrote a book on Fairy Tales and released 50, 525 copies. Because the book was popular among the readers, the publishers decided to publish a second edition with 40, 399 copies. Find the total number of copies published. Answer = _____	
3. In the society library, there are 398,456 old books. The management decided to add 67,876 new books. How many books will be there in library? Answer = _____	
4. The average distance from earth to the sun is 92, 589, 230 miles. The distance from earth to the moon is 92,350,373 miles less than the distance from earth to the sun. Find the distance from earth to the moon. Answer = _____	
5. Clara bought a brand new car for \$26,086. The estimated value of the car after 5 years is \$15,990. If she sells the car after 5 years, by how much less money would she have? Answer = _____	

6. What is the difference between the smallest six-digit whole number and the greatest 4-digit whole number? Answer = _____	
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Multiplication & Division Word Problems

Workspace

1. Robert buys a brand new car by paying a certain amount in cash. The rest of the amount is paid by loan. He pays \$197 as EMI for 3 years. Find the total amount paid in EMI after 3 years. (EMI – equated monthly installment) Answer = _____	
2. Mark uses the computer for 12 hours. If the average power consumption of a computer per hour is 299 watt, how much power does Mark use? Answer = _____	
3. Thomson bolt manufacturing company packs 599 bolts into each carton. How many bolts are needed to pack 59 cartons? Answer = _____	
4. A broken scale reads 11 inches. Kathy uses the broken scale to measure the length of a rope. She finds the length of the rope is 113 times the length of the broken scale. Find the length of the rope. Answer = _____	

5. A tiger eats 17 pounds of flesh a day. If the tiger caught prey that weighed 357 pounds, how long will the food last? Answer = _____	
6. Sarah collected 900 different leaves. She made a collection of books with 25 leaves in each book. How many books of leaves did Sarah collect? Answer = _____	
7. A tray can hold 234 eggs. If there are 18 rows in a tray, how many columns are there? Answer = _____	

Fraction Word Problems

Workspace

1. Peter uses quick fix glue to hold a bamboo rod. One piece of the rod measures $1\frac{1}{5}$ meters and another piece measures $2\frac{2}{3}$ meters. What is the total length of bamboo rod after it has been glued together? Answer = _____	
2. Simpson takes $2\frac{5}{6}$ litres of water Before noon and $1\frac{3}{4}$ litres of water after noon. How many litres of water does Simpson consume a day? Answer = _____	

3. Karan covers $2\frac{3}{8}$ miles by walking and $5\frac{3}{4}$ miles by bike. Find the total distance covered by Karan. Answer = _____	
4. Sam works $8\frac{1}{5}$ hours in day 1 and $7\frac{5}{6}$ hours in day 2. How many hours does he work in both days? Answer = _____	
5. Rachel cut a length of rope 4 Meters into two pieces. The length of one piece of rope is $2\frac{1}{2}$ meters. What is the length of second piece of rope? Answer = _____	
6. The total hours allotted for writing and oral competition is $2\frac{3}{5}$ hours. The writing competition is allotted $1\frac{5}{6}$ hours. How many hours are allotted for the oral competition? Answer = _____	
7. A field trip is planned which is $10\frac{2}{9}$ miles from school. A wheel of the school bus is punctured after $5\frac{3}{7}$ miles. How many miles are left to reach the field trip location? Answer = _____	
8. Eddie played a movie in the DVD player. The total length of the movie is $2\frac{3}{5}$ hours. Due to a power failure, Eddie managed to watch only $1\frac{1}{4}$ hours. How much time is left to finish the movie? Answer = _____	

Decimal Word Problems**Workspace**

1. Samson bought 3 bags which cost \$12.30, \$34.23 and \$23.19 respectively. How much did he need to pay? Answer = _____	
2. Kayla spends 1.23 hours for English reading, 1.40 hours for Math and 0.39 hours for Science. How many hours does she spend studying? Answer = _____	
3. Katherine bought cosmetic items which cost \$78.12 in total. She gave \$100 to the shop keeper. How much does she receive as change? Answer = _____	
4. Kelly scored 56.73 points and Karen scored 74.92 points on a University exam. How many points less did Kelly score than Karen? Answer = _____	
5. Hamlet ordered 9 pizzas. Each pizza costs \$13.95. How much does he need to pay? Answer = _____	
6. Diana sells 12 garlands for \$12.12. What is the cost of each garland? Answer = _____	
7. A shop keeper bought 26 apples from a fruit vendor for \$37.70. How much did each apple cost? Answer = _____	