Grade 5 into Grade 6 Summer Packet

Name: _____

OA.1 1. Jason purchased 3 concert tickets online. Each ticket cost $12. There is a one-time fee of $5 for ordering online. What is the total cost of the three tickets? Add ( ) to help you solve the problem correctly. 5 + 12 x 3 Answer:_____	***OA.2*** 2. Choose the correct expression for "Add 5 and 9, and then multiply by 3." **A. 5 + (9 × 3)** **B. (5 + 9) × 3** **C. (5+ 9 × 3)** **D. 5 + 9 × 3**
OA.2 3. Look at the two expressions: 8,526 + 727 3 × (8,526 + 727) **Compare** their values below **without** calculating exact answers.	***OA.3*** 4. Look at the number patterns below. 2, 4, 6, 8, 10, 12, . . . 4, 8, 12, 16, 20, 24, . . . Describe the rule for each pattern to get to the next term. Explain your thinking or show your work.

NBT.1	**NBT.2**
5. In the numbers below, the digit 8 is in different place value positions. **2,810 281** Choose the correct value of 8 in 2,810: **A.** 1/10 the value of 8 in 281. **B.** 8 times the value of the 8 in 281. **C.** 10 times the value of the 8 in 281.	6. Which of the following represents 10,000 written in exponential form? **A. 10^2** **B. 10^3** **C. 10^4** **D. 10^5**

NBT.2	**NBT.2**
7. Look at the multiplication equations below and the pattern they form. $253 \times 10 = 2{,}530$ $253 \times 10^2 = 25{,}300$ $253 \times 10^3 = 253{,}000$ Describe the pattern. Use the pattern to find the product of 253×10^5. Answer:	8. Look at the multiplication equations below and the pattern they form. $0.425 \times 10 = 4.25$ $0.425 \times 100 = 42.5$ $0.425 \times 1000 = 425.0$ Describe the pattern you see in the **product** (answer) as the powers of 10 increase.

NBT.3 9. The number below is in expanded form. $(6 \times 100) + (2 \times 10) + (8 \times 1) + (3 \times 1/10) + (4 \times 1/100) + (2 \times 1/1000)$ Which is that number in standard form? **A. 628,342** **B. 62,834.2** **C. 6,283.42** **D. 628.342**	**NBT.3** 10. Which comparison is true? **A. 43.587 < 43.585** **B. 19,854 < 19,834** **C. 36.203 = 36.23** **D. 25.261 > 25.259**
NBT.4 11. Round **36.482** to the nearest tenth. Answer: _____	**NBT.4** 12. Round **673.897** to the nearest hundredth. Answer: _____
NBT.5 13. Find the product of **247 × 35**. Show your work by using the standard algorithm.	**NBT.5** 14. Find the product of **154 X 26.** Show your work using the standard algorithm.

NBT.6 SHOW ALL YOUR WORK 15. Divide: **1,025 ÷ 25**.	**NBT.6 SHOW ALL YOUR WORK** 16. Divide: **7,230 ÷ 30**
NBT.6 SHOW ALL YOUR WORK 17. Find the quotient of **345 ÷ 15**.	**NBT.6 SHOW ALL YOUR WORK** 18. Find the quotient of **4,123 ÷ 19**
NBT.7 SHOW ALL YOUR WORK 19. Add: **54.7 + 9.39**	**NBT.7 SHOW ALL YOUR WORK** 20. Add: **38.75 + 7.81**

NBT.7 SHOW ALL YOUR WORK

21. Subtract **3.54 - 0.4**

NBT.7 SHOW ALL YOUR WORK

22. Subtract **51 - 38.7**

NBT.7 SHOW ALL YOUR WORK

23. Multiply **1.63 × 5.4**

NBT.7 SHOW ALL YOUR WORK

24. Multiply **44.8 x 9.4**

NBT.7 SHOW ALL YOUR WORK

25. Divide **4.2 ÷ 7**

NF.1 SHOW ALL YOUR WORK

26. $\frac{5}{8} + \frac{2}{3}$

A. $\frac{7}{11}$ **B.** $1\ \frac{7}{24}$

C. $\frac{7}{24}$ **D.** $1\ \frac{1}{8}$

NF.1 SHOW ALL YOUR WORK

27. $2\ \frac{2}{3} - 1\ \frac{3}{5}$

A. $3\ \frac{5}{8}$ **B.** $1\ \frac{1}{2}$

C. $1\ \frac{1}{15}$ **D.** $3\ \frac{1}{15}$

NF.2

28. Carmen read **½** of her book last week and **⅜** of her book this week. Write and solve an equation to find the fraction of the book Carmen has read. Be sure to show your work.

Equation: _____

NF.2

29. Allie served ⅖ of a pie she baked to guests. Then she served another **⅓** of the pie to her kids. What fraction of the pie does she **have left?** Show how you found your answer. **HINT:** you can write one whole as a fraction, for example:

$$1 = \frac{2}{2} = \frac{3}{3} = \frac{4}{4}, \ etc$$

Answer: _____	Answer: _____
NF.5a 30. Which factor can be multiplied by 5 to give a number that is greater than 5? **A. 0** **B. 1** **C. 0.5** **D. 1.25**	**NF.6** 31. Erica needs 2 ¼ cups of flour for **each** of her 2 cookie recipes. Find the amount of flour she needs in all. Besure to show all of your work.

GCF/LCM Review. GCF means greatest common factor. Factors of 10 are 1,2,5,10. LCM means lowest common multiple. Multiples of 10 are 10,20,30,40, etc… Watch the video for more review before answering the questions on the next page.	
Video: **https://www.khanacademy.org/math/pre-algebra/pre-algebra-factors-multiples/pre-algebra-greatest-common-divisor/v/greatest-common-divisor** **https://www.flocabulary.com/unit/gcf-lcm/**	
32. List the factors of 28:	**33. List the factors of 64:**

34. List the first 5 multiples of 4:	**35. List the first 5 multiples of 7:**
36. Find the GCF of the following: **12** **26**	**37. Find the GCF of the following:** **35** **28**
38. List the PRIME factors of 24	**39. List the PRIME factors of 36**