***Topic 6 and 7– Review- KEY***

**Developing Fluency: Multiplying by 1 digit numbers**

**Number Sense: Multiplying by 2 digit numbers**

**Mathematician**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***6.2 – I can multiply 2- digit numbers by 1- digit numbers.***

**Find each product.**

**1. Molly drove 75 miles to visit her aunt. If she makes 6 trips, how many miles does she travel? 450 miles**

**2. 5 x 39 = 195**

**3. 62 x 7 = 434**

**4. 57 x 6 = 342**

***6.3– I can use the standard algorithm to multiply 2-digit by 1-digit numbers, and I can use estimation (rounding) to check for reasonableness.***

**Find each product and then estimate to check for reasonableness.**

**Product Estimation**

**5. 28 x 4 = 112 120**

**6. 52 x 6= 312 300**

**7. 31 x 7 = 217 210**

**8. 79 x 7 = 553 560**

***6.4– I can use the standard algorithm to multiply 3- and 4- digit numbers by 1-digit numbers.***

**Find each product.**

**9. 4 x 4,347 = 17,388**

**10. 585 x 7 = 4,095**

**11. 338 x 4 = 1,352**

**12. 3,265 x 6 = 19,590**

***6.5– I can use the standard algorithm to multiply 3- and 4- digit numbers by 1- digit numbers, and I can use estimation (rounding) to check for reasonableness.***

**Find each product and then estimate to check for reasonableness.**

**Product Estimation**

**13. 195 x 4 = 780 800**

**14. 2,617 x 6= 15,702 18,000**

**15. 985 x 8 = 7,880 8,000**

**16. 1,123 x 3 = 3,369 3,000**

***6.6– I can answer what information is missing in a word problem or what information is not needed.***

**In the word problems below, tell any information that is needed but missing or that is not needed. If you have enough information, solve the problem.**

**17.** Matthew has 8 boxes of football cards. His favorite card is one of Golden Tate. If there are 112 cards in each box, how many cards does Matthew have?

**There is too much information. You don’t need to know about Golden Tate. Matthew has 896 cards.**

**18.** Caroline walked her dogs for 5 days last week. How many miles did they walk?

**There is not enough information to solve.**

***7.2– I can discover and use patterns to multiply by multiples of 10.***

**Find each product.**

**19. 30 x 30 = 900**

**20. 90 x 40 = 3,600**

**21. 70 x 60 = 4,200**

**22. 80 x 70 = 5,600**

***7.3– I can use rounding to estimate solutions to multiplication problems involving 2-digit numbers.***

**Estimate each product by rounding.**

**19. 74 x 34 = 2,100**

**20. 88 x 23 = 1,800**

**21. 24 x 28 = 600**

**22. 80 x 70 = 5,600**

***7.5– I can identify and answer hidden questions to solve multi-step problems with operations.***

**In the word problems below, write and answer the hidden question or questions. Then solve the problem.**

**23.** Marie bought 17 petunia plants and 19 sunflower plants to plant in her garden. She wants to plant 4 flowers in each row. How many rows of flowers will Marie plant?

**The hidden question is how many flowers were there altogether. 17 + 19 = 36.**

**36 divided by 4 = 9 flowers.**

**24.** The Smith family went out to dinner. They bought 4 salads for $5 each, 5 plates of spaghetti for $8 each, and 5 drinks for $3 each. They paid with a $100 bill. How much change did they receive?

**The hidden question is how much did the total dinner cost. 4 salads at $5 each is $20. 5 plates of spaghetti at $8 each is $40. 5 drinks at $3 is $15. $20 + $40 + $15 = $75. $100 - $75 = $25.**