

Grade 4

Name: _____ Date: _____

Chapter 9 Test Page 1

44

1. What is the missing number?

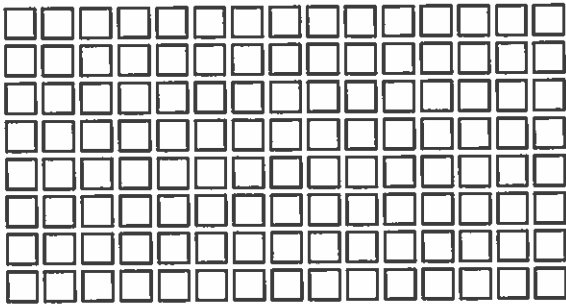
a) $400 = \underline{\quad} \times 100$

b) $\underline{\quad} \times 70 = 490$

c) $\underline{\quad} \times 500 = 1500$

1/3

2. Split this array into 2 smaller multiplication sentences. Use two colours.



1/1

a) What multiplication does the array show? _____ 1/1

b) Split this array to show 2 smaller arrays. Write the number sentences.

_____ 1/2

c) Write the multiplication as the sum of 2 products. Add these together to show the answer. (example $3 \times 6 = 18 + 4 \times 6 = 24$ so $7 \times 6 = 42$)

_____ 1

3. Would you **estimate** or **calculate**? Why? If you would estimate, explain how. (show your work).

a) One shelf holds 400 CDs. How many CDs are on 3 shelves? Explain.

1/2

b) Jody is reading a book that has 108 pages. Dar is reading a book that has about 4 times as many pages. **About how many** pages does Dar's book have? Explain.

1/2

1/2

4. Patti's hip hop class has 34 dancers. Each dancer sold 5 raffle tickets. How many raffle tickets did the dance class sell altogether? Multiply using a place value chart (base ten blocks) to find the product. (show 34×5 and show the answer)

Thousands	Hundreds	Tens	Ones

12

5. Which estimate is closer to the actual product?

Explain your choice. (Multiply all three)

a) 69×9 70×10 or 70×9 ?

13

b) 38×8 40×8 or 38×10 ?

13

6. Derek brushes his teeth 3 times a day.
How many times does he brush his teeth in 1 year? (hint 3×365)

10

12

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7. Calculate. Use the **expanded form strategy** to multiply.

a) 4×73

b) 5×29

c) 7×361

d) 8×333

18

8. Multiply. Regroup as you go (old school method).

a) 2×39

b) 9×45

c) 4×195

d) 6×248

	3	9
X		2

	4	5
X		9

	1	9	5
X			4

	2	4	8
X			6

100

9. 450 can be represented as 3×150 . Represent 450 in 3 other ways using products. Draw a table, model using an array or base ten blocks and show using multiplication (show work).

6

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