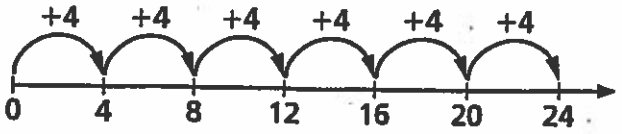
Grade 4 /33

Name: _____ Date: _____

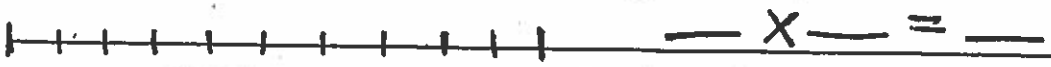
Chapter 6 Test Page 1

1. a) The number line shows skip counting to multiply. What 2 numbers are being multiplied? Explain.



_____ /2

b) Show another way to multiply these 2 numbers on a number line.



/3

2. Use one fact to complete the other fact. Explain what you did

a) $4 \times 4 = 16$, so $4 \times 5 =$ _____

/2

b) $8 \times 4 = 32$, so $7 \times 4 =$ _____

/2

c) $3 \times 9 = 27$, so $2 \times 9 =$ _____

/2

3. Diane's class bought 8 packages of pencils.

a) How many pencils did they buy? _X_ = _

b) Explain how you can use your answer to calculate the number of pens in 9 packages.

/3

_____

_____

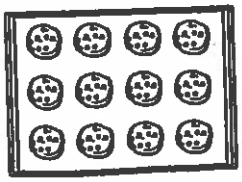
/4

Grade 4

Name: _____ Date: _____

Chapter 6 Test Page 2

4. Annie placed cookies on a sheet.



a) What multiplication can you use to represent the number of cookies? _____

b) How can you use the array to calculate the number of cookies in 4 rows of 4?

_____ 2

_____

5. A kitchen tile is 8 cm long.

a) How long are 3 tiles side by side? 1

b) Use your answer to calculate the length of 7 tiles. Explain what you did.

_____ 2

6. Calculate the first product. How can you use this product to calculate the second product?

a) $4 \times 7 =$ _____, so $8 \times 7 =$ _____ 3

_____

b) $2 \times 6 =$ _____, so $5 \times 6 =$ _____

_____ 3

11

7. Use one of the following strategies to solve each problem: **double, special strategies for multiplying by 8 and 9, and chunking . Show the strategy then explain and solve.**

a) Find 9 X 7=_____ from 10 X 7= 70

Strategy: using multiples of ten to find products of 9

1/2

b) 8 X 2=_____ from 4 X 2 = 8

Locating products from smaller facts by doubling

1/2

c) show how 7 X 5= is the same as 2X5 and 5X5

Chunking: breaking down multiplication problems to easier facts

1/2

d) 8 X 8 =_____ from 10 X 8= 80

Strategy: using multiples of ten to find products of 9

1/2

1/8