

6th Functions & Relations

Use multiples, factors, squares, or powers of ten.

F&R-1

What are the next 7 terms in this pattern.?

1 4 9 ,

Use multiples, factors, squares, or powers of ten.

F&R-1

Complete the function machines.

in	out
<u>5</u>	<u>25</u>
<u>7</u>	a
<u>9</u>	<u>81</u>

in	out
<u>10</u>	<u>100</u>
<u>100</u>	<u>1000</u>
b	<u>10,000</u>

Use multiples, factors, squares, or powers of ten. (Label and title)

F&R-1

Complete the table

Pounds (lbs) per Packages of Hamburger

pkgs	a	2	c	d	5	f	7
lbs	2.5	b	7.5	10	e	15	g

Use mult. or division patterns

F&R-3

Determine the pattern for each machine and find the missing values.

in	out
<u>5</u>	a
<u>7</u>	<u>35</u>
<u>9</u>	<u>45</u>

in	out
<u>100</u>	<u>10</u>
<u>55</u>	<u>5.5</u>
b	<u>3</u>

What is the rule for this pattern?

F&R-2

.25 , .5 , .75 , 1 , 1.25 , 1.5 , 1.75 ,

Extend this pattern.

F&R-4

You may use a calculator.

19 , 38 , 57 , , , , ,

Place multiples, factors, squares, or powers of ten in the lower level.

F&R-2

Title and label.

What is the rule for this table?

Title: **Pens per Box**

Boxes	1	2	3	4	5	6	7
Pens	7	14	21	28	35	42	49

P = **Numeral** * **Variable**

Extend this pattern.

F&R-4

You may use a calculator.

100 , 83 , 66 , , , , ,

For each equation insert two digits and one **letter** for an unknown.

F&R-5

Solve for the unknown .

14 + n = 9

m - 21 = 11

8 x 7 = x

72 ÷ y = 8

What do you do with "a"

F&R-2

to get "b"? b =

Write an equation for the rule.

a	b
<u>7</u>	<u>49</u>
<u>8</u>	<u>56</u>
<u>9</u>	<u>63</u>

a	b
<u>9</u>	<u>81</u>
<u>7</u>	<u>49</u>
<u>6</u>	<u>36</u>