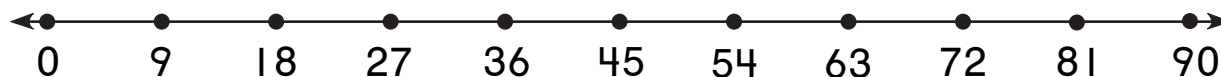


Looking for Patterns in Jumps

Make jumps of 9. Write the sum of the digits for each landing number.



	Jumps of 9		
	Number of Jumps	Landing Number	Sum of the Digits
1.	1	9	$\underline{9} + \underline{0} = \underline{9}$
2.	2	18	$\underline{1} + \underline{8} = \underline{9}$
3.	3		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
4.	4		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
5.	5		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
6.	6		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
7.	7		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
8.	8		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
9.	9		$\underline{\quad} + \underline{\quad} = \underline{\quad}$

Combining Equivalent Sets

Solve each problem. Use words, numbers, or pictures to explain.

1. Logan has 4 stacks of baseball cards with 5 cards in each stack. Keith has 6 stacks of cards with 3 in each stack.
Who has more cards?

2. Cara has 3 bags with 5 grapes in each bag. Jason has 4 bags with 4 grapes in each bag.
Who has fewer grapes?

3. Niki reads 3 books with 4 chapters in each book. Liz reads 2 books with 5 chapters in each book.
Who read more chapters?

Making All Possible Arrays

Build all the possible arrays with a given number of tiles.

1.

Possible Arrays for 15 Tiles	
Rows	Columns
15	1
1	15

2.

Possible Arrays for 17 Tiles	
Rows	Columns

3.

Possible Arrays for 16 Tiles	
Rows	Columns

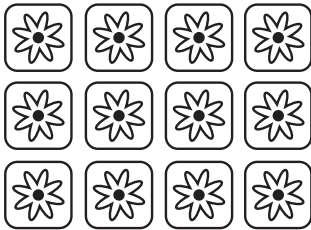
4.

Possible Arrays for 18 Tiles	
Rows	Columns

Adding Equivalent Sets

Draw a line to match each array with its addition sentence. Then write another addition sentence for the array.

1.



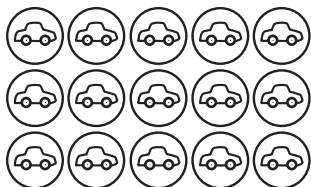
$$5 + 5 + 5 = 15$$

2.



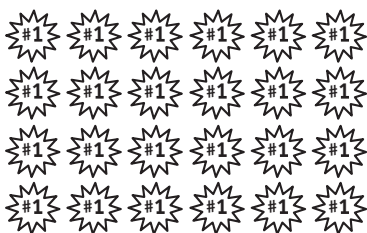
$$4 + 4 + 4 = 12$$

3.



$$5 + 5 + 5 + 5 + 5 + 5 = 30$$

4.



$$4 + 4 + 4 + 4 + 4 + 4 = 24$$

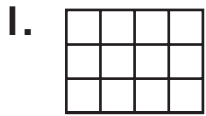
Working with Rectangular Arrays

Solve each multiplication sentence. Use the code to answer the riddle.

Code

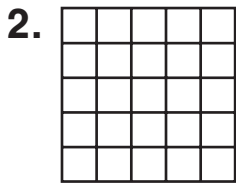
A	E	L	M	N	O	R	W
12	15	25	10	20	4	9	24

What do you call a cow that eats grass?

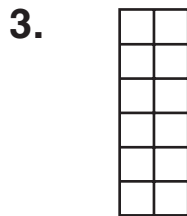


$3 \times 4 = \underline{\hspace{2cm}}$

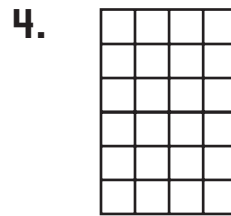
A



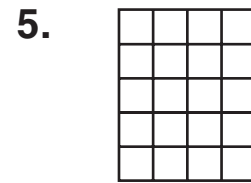
$5 \times 5 = \underline{\hspace{2cm}}$



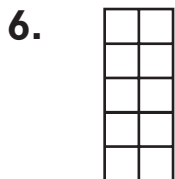
$2 \times 6 = \underline{\hspace{2cm}}$



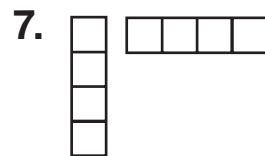
$6 \times 4 = \underline{\hspace{2cm}}$



$5 \times 4 = \underline{\hspace{2cm}}$

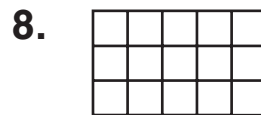


$5 \times 2 = \underline{\hspace{2cm}}$

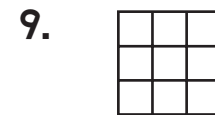


$4 \times 1 = \underline{\hspace{2cm}}$

$1 \times 4 = \underline{\hspace{2cm}}$



$5 \times 3 = \underline{\hspace{2cm}}$



$3 \times 3 = \underline{\hspace{2cm}}$

Building Multiples

Make a table to find each answer.

1. There are 30 days in some months.
How many days are in those 4 months? _____ days

2. There are 11 peas in a pod.
How many peas are in 9 pods? _____ peas

3. There are 7 bows on a kite.
How many bows are on 5 kites? _____ bows

4. There are 12 players on a kickball team.
How many players are on 4 teams? _____ players

Dividing Amounts of Time

Kyle is always twice as fast as Kate. Solve each problem about Kyle and Kate.

1. Kate takes 14 minutes to get dressed. How long does it take Kyle to get dressed? _____ minutes

-
2. Kate reads a book in 30 minutes. How long does it take Kyle to read the same book? _____ minutes

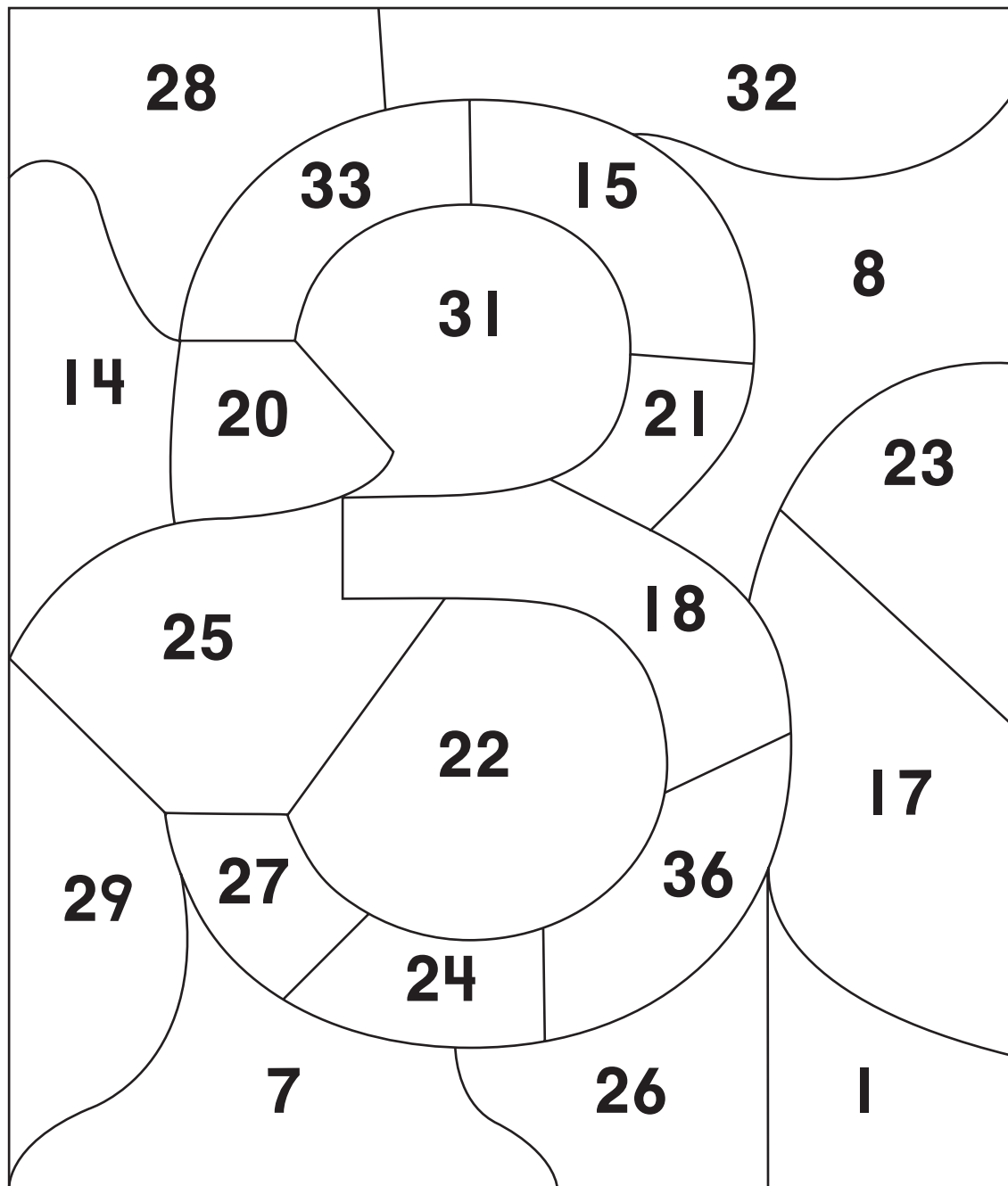
-
3. Kyle rides his bike from the store to the library in 25 minutes. How long does it take Kate to ride her bike on the same path? _____ minutes

-
4. Kate makes a card in 18 minutes. How long does it take Kyle to make a card? _____ minutes



-
5. Kate washes the car in a half hour. How long does it take Kyle to wash the car? _____ minutes

Sharing Among Three Children

Can the number be divided into 3 equivalent sets? Color the section red if the answer is *yes*. Color it blue if the answer is *no*.



Fractions and Division

I Have	One Half	One Third
12 hours	$\frac{6}{12}$ hours	$\frac{4}{12}$ hours
60 minutes	$\frac{30}{60}$ minutes	_____ minutes
120 pages	_____ pages	_____ pages
18 inches	_____ inches	_____ inches
2 dozen eggs	_____ eggs	_____ eggs
\$3.00 in quarters	\$ $\frac{\quad}{100}$	\$ $\frac{\quad}{100}$
	_____	_____
	_____	_____