

Introducing Arrays

Write the number of tiles inside each rectangle.

	4	8	3	6	9	5
3	12					
6						
8						
4						
7				42		

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Test Prep

1 Bill spent \$9.20 for two toys. Which two toys did he buy? Explain how you found your answer.

Car	\$1.30
Boat	\$1.80
Jet	\$5.80
Train	\$2.50
Plane	\$3.40
Rocket	\$7.30

Separating Arrays

For each picture, figure out how many dots are in each section. Also find the total number of dots in each array.

1

	12
6	

Total

2

	18

Total

3

Total

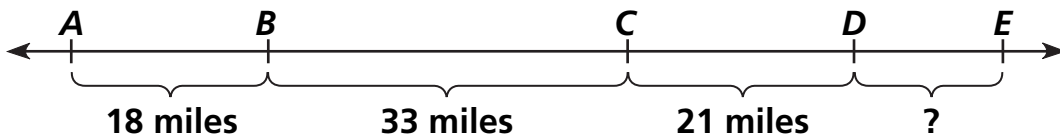
4

	4

Total



Test Prep



5 It is 85 miles from *A* to *E*. Find the distance between *D* and *E*.

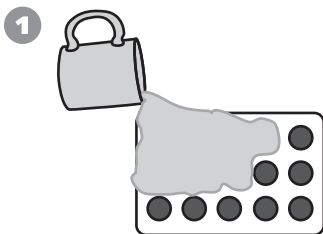
- A. 3 miles C. 11 miles
- B. 7 miles D. 13 miles

6 Mr. Logan drove from *B* to *C*, then to *D*, before going back to *B*. How far did Mr. Logan drive?

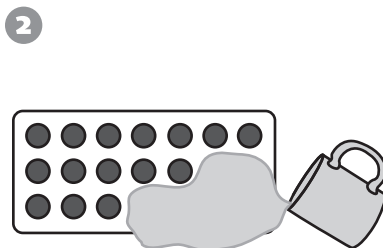
- A. 54 miles C. 108 miles
- B. 72 miles D. 144 miles

Adding Array Sections

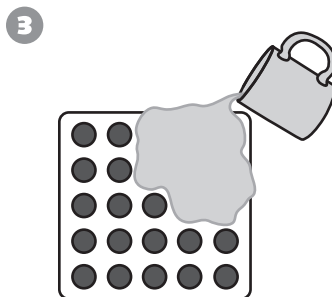
Oh no! Juice spilled on the dot displays.
How many dots were there before the spill?



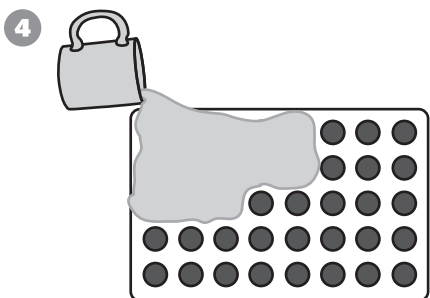
dots



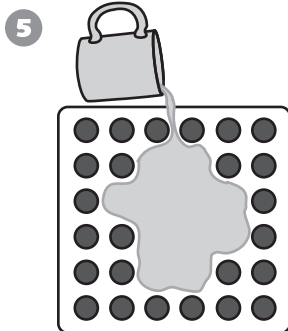
dots



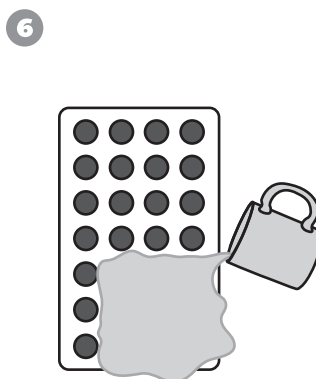
dots



dots



dots



dots



Test Prep

7 Maria has 12 coins that total 28¢. What coins does she have? Explain how you found your answer.

Exploring a Multiplication Shortcut

Fill in the multiplication tables. Look for shortcuts to help you.

1

	1	2	3	4
$\times 3$	3	6		

2

	2	4	6	8
$\times 4$				

3

	3	6	9	10
$\times 5$				

4

	1	2	3	5
$\times 6$				

5

	1	3	4	7
$\times 7$				

6

	2	4	8	10
$\times 10$				



Test Prep

- 7 Ms. Schmidt bought 26 notebooks for her class. Notebooks come in packs of 5 and packs of 3. What are 2 different combinations of notebooks she might have bought? Explain how you found your answer.

Using a Multiplication Shortcut

Fill in the multiplication tables. Look for shortcuts.

1

×	5	3	8
5	25	15	
2	10		
7	35		

2

×	5	2	7
5			
3			
8			

3

×	3	6	9
3			
6			
9			

4

×	5	10	15
2			
4			
6			

5

×	7	8	9
5			
10			
15	105		135

6

×	10	8	18
5			
4			
9			



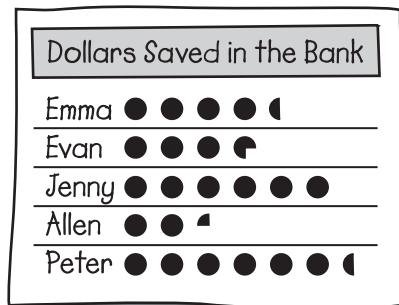
Test Prep

7 Who has the most money saved?

- A. Emma
- B. Jenny
- C. Allen
- D. Peter

8 How much more money does Evan have than Allen?

- A. \$0.50
- B. \$1.50
- C. \$2.25
- D. \$2.50

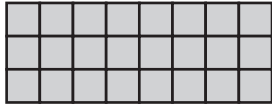


Each ● represents one dollar.

Connecting Multiplication and Division

Complete the fact families.

1



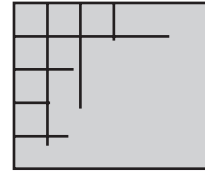
$$\boxed{3} \times \boxed{8} = \boxed{24}$$

$$\boxed{} \times \boxed{} = \boxed{}$$

$$\boxed{24} \div \boxed{} = \boxed{}$$

$$\boxed{} \div \boxed{} = \boxed{}$$

2



$$\boxed{} \times \boxed{} = 30$$

$$\boxed{} \times \boxed{} = \boxed{}$$

$$\boxed{} \div \boxed{} = \boxed{}$$

$$\boxed{} \div \boxed{} = \boxed{}$$

3

$$7 \times 4 = \boxed{}$$

$$\boxed{} \times \boxed{} = \boxed{}$$

$$\boxed{} \div \boxed{} = \boxed{}$$

$$\boxed{} \div \boxed{} = \boxed{}$$



Test Prep

- 4 Cecilia bought 4 packs of beads. Each pack had 15 beads. If she used 37 beads, how many does she have left? Explain your answer.
