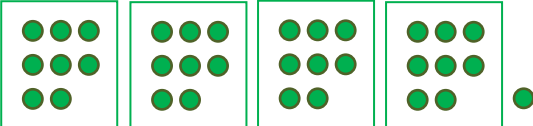


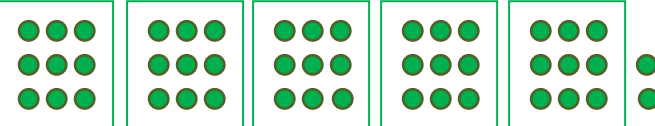
# 4.NBT.B.6 Divisors, Quotients and Remainders Using Models

4.NBT.B.6 Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors

1. Write the division sentence. Identify dividend, divisor, quotient, and remainder.

a. 

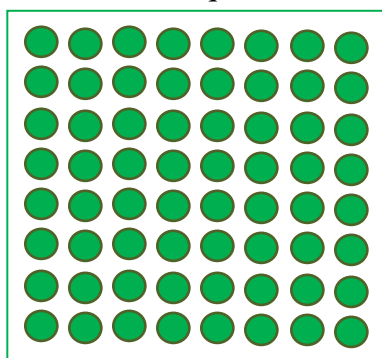
Solution:

b. 

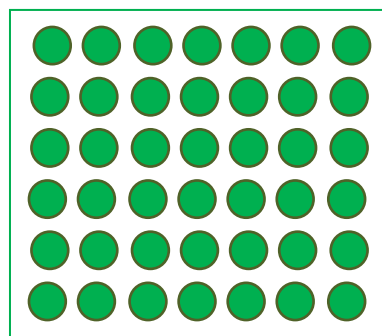
Solution:

2. Divide as directed and find the quotient and remainder.

- a. Divide by 7.



- b. Divide by 8.



Solution:

3. Divide. Find the quotient and remainder. Use counters or pictures to help.

a.  $32 \div 7 =$

b.  $41 \div 5 =$

c.  $37 \div 8 =$

d.  $52 \div 9 =$

Solution:

a.

b.

c.

d.

e.  $28 \div 3 =$

f.  $33 \div 5 =$

g.  $56 \div 6 =$

h.  $50 \div 8 =$

Solution:

e.

f.

g.

h.

4. Draw a model that helps divide 22 by 5.

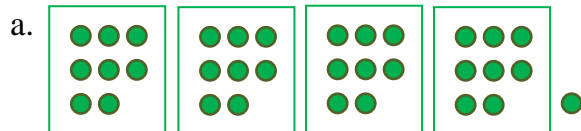
Solution:

# 4.NBT.B.6 Divisors, Quotients and Remainders Using Models

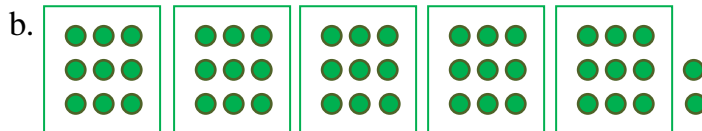
## Answer Key

4.NBT.B.6 Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors

1. Write the division sentence. Identify dividend, divisor, quotient, and remainder.



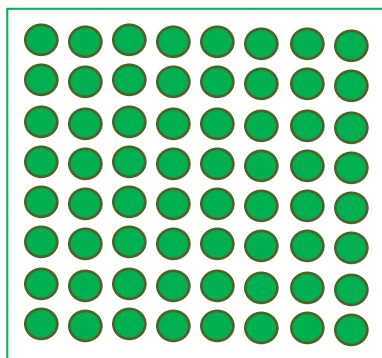
Solution:  $33 \div 4 =$   
 Quotient = 8; Dividend = 33;  
 Divisor = 4; Remainder = 1



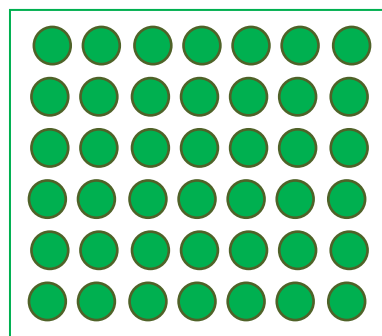
Solution:  $47 \div 5 =$   
 Quotient = 9; Dividend = 47; Divisor = 5;  
 Remainder = 2

2. Divide as directed and find the quotient and remainder.

- a. Divide by 7.



- b. Divide by 8.



Solution:

Note: Q = Quotient  
 R = Remainder

a.  $Q = 9; R = 1$

b.  $Q = 5; R = 2$

3. Divide. Find the quotient and remainder. Use counters or pictures to help.

- a.  $32 \div 7 =$   
 Note: Q = Quotient; R = Remainder  
 b.  $41 \div 5 =$   
 a.  $Q = 4; R = 4$   
 c.  $37 \div 8 =$   
 b.  $Q = 8; R = 1$   
 d.  $52 \div 9 =$   
 c.  $Q = 4; R = 5$   
 d.  $Q = 5; R = 7$

- e.  $28 \div 3 =$   
 Note: Q = Quotient; R = Remainder  
 f.  $33 \div 5 =$   
 e.  $Q = 9; R = 1$   
 g.  $56 \div 6 =$   
 f.  $Q = 6; R = 3$   
 h.  $50 \div 8 =$   
 g.  $Q = 9; R = 2$   
 h.  $Q = 6; R = 2$

4. Draw a model that helps divide 22 by 5.

