

Second Grade

**Pre-Assessment Unit 3:  
Addition and Subtraction  
Strategies**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# PRE-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

CCSS: 2.OA.A.1  
2.OA.B.2  
2.OA.C.3  
2.NBT.B.5

TEKS: 2.4 ACD  
2.7 C

Circle the correct answer.

Which number sentence below is the addition sentence that helps you subtract?

$$25 - 9 = 16$$

- A  $16 + 25 = 41$
- B  $16 + 9 = 25$
- C  $9 + 16 = 21$

Which number sentence below is the addition sentence that helps you subtract?

$$18 - 10 = 8$$

- A  $8 + 8 = 16$
- B  $9 + 9 = 18$
- C  $8 + 10 = 18$

Find the sum.

$$17 + 7 =$$

- A 24
- B 10
- C 25

Find the sum.

$$8 + 15 =$$

- A 24
- B 7
- C 23

# PRE-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

Circle the 2 numbers that make ten together. Then add. Show your work.

$$\begin{array}{r} 9 \\ 4 \\ + 6 \\ \hline \end{array}$$

What number belongs in the box?

$$9 + \square = 28$$

A 37

B 17

C 19

Find the difference.

$$22 - 8 =$$

A 14

B 18

C 30

Find the difference.

$$15 - 7 =$$

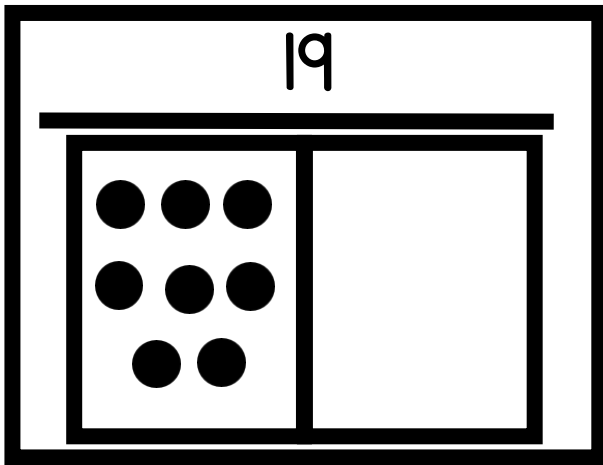
A 10

B 9

C 8

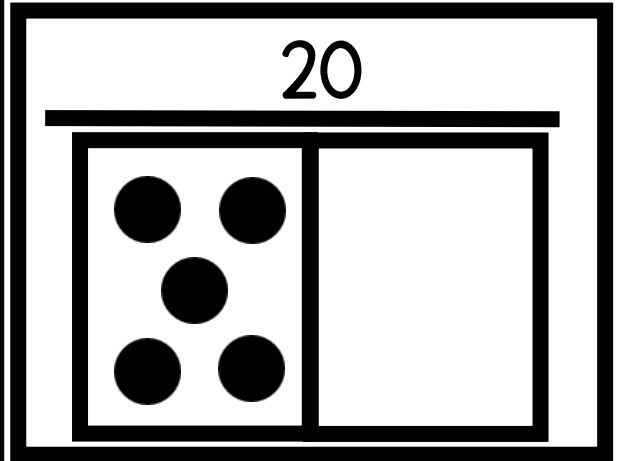
# PRE-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

Write a number sentence to match. Fill in the missing number.



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

Write a number sentence to match. Fill in the missing number.



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

Draw, write a number sentence, and solve.

Srijan has 21 books. He let 7 of his friends borrow one book each. How many books does Srijan have now?

Draw, write a number sentence, and solve.

Luca has 18 cat collars. He only has 6 cats. How many **fewer** cats does Luca have than collars?

# PRE-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

Draw, write a number sentence, and solve.

There are **some** dogs in the park. Then 12 more dogs come to the park. Now there are 24 dogs. How many dogs were in the park at first?

Draw, write a number sentence, and solve.

I have 18 rocks in my collection. My friend has some rocks too. Together we have 26 rocks. How many rocks does my friend have?

Add or subtract?

$$12 \square 15 = 27$$

Add or subtract?

$$17 \square 6 = 11$$

# PRE-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

Solve. Circle the strategy used.

$$\begin{array}{r} 7 \\ 8 \\ + 2 \\ \hline \end{array} \quad \begin{array}{r} \square \\ + 2 \\ \hline \square \end{array}$$

add any 2

make a 10

doubles near doubles

Solve. Circle the strategy used.

$$\begin{array}{r} 2 \\ 8 \\ + 6 \\ \hline \end{array} \quad \begin{array}{r} \square \\ + 6 \\ \hline \square \end{array}$$

add any 2

make a 10

doubles near doubles

Circle the near doubles fact.  
Solve all the facts.

$$11 + 11 =$$

$$10 + 9 =$$

$$12 + 12 =$$

Circle the doubles fact. Solve  
all the facts.

$$12 + 12 =$$

$$11 + 10 =$$

$$2 + 20 =$$

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# POST-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

CCSS: 2.OA.A.1  
2.OA.B.2  
2.OA.C.3  
2.NBT.B.5

TEKS: 2.4 ACD  
2.7 C

Circle the correct answer.

Which number sentence below is the addition sentence that helps you subtract?

$$13-5=8$$

- A  $4+13=17$
- B  $5+8=13$
- C  $6+12=18$

Which number sentence below is the addition sentence that helps you subtract?

$$12-8=4$$

- A  $8+8=16$
- B  $4+11=15$
- C  $4+8=12$

Find the sum.

$$12+5=$$

- A 15
- B 14
- C 17

Find the sum.

$$13+6=$$

- A 19
- B 16
- C 15



# POST-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

Circle the 2 numbers that make ten together. Then add. Show your work.

$$\begin{array}{r} 2 \\ 4 \\ + 8 \\ \hline \end{array}$$

What number belongs in the box?

$$8 + \square = 14$$

A 4

B 5

C 6

Find the difference.

$$13 - 4 =$$

A 8

B 9

C 10

Find the difference.

$$17 - 6 =$$

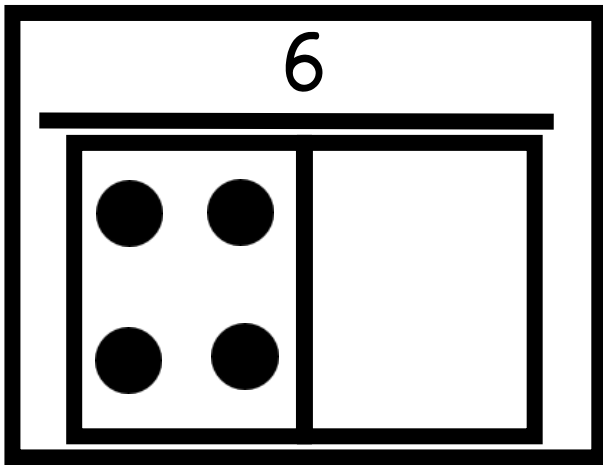
A 10

B 9

C 11

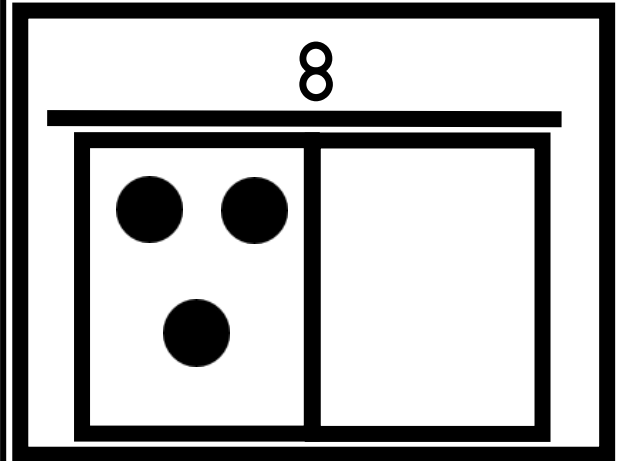
# POST-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

Write a number sentence to match. Fill in the missing number.



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

Write a number sentence to match. Fill in the missing number.



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

Draw, write a number sentence, and solve.

Sam has 18 toy cars. He loses 6 toy cars. How many toy cars does Sam have now?

Draw, write a number sentence, and solve.

Luke has 12 chips. His friend has 9 chips. How many **more** chips does Luke have?

# POST-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

Draw, write a number sentence, and solve.

There are **some** eggs in the nest.  
The hen lays 5 more eggs. Now  
there are 9 eggs. How many  
eggs were in the nest at first?

Draw, write a number sentence, and solve.

I have 7 buttons in my pocket.  
My friend has some buttons.  
Together we have 16 buttons.  
How many buttons does my  
friend have?

Add or subtract?

$$8 \square 7 = 15$$

Add or subtract?

$$14 \square 4 = 10$$

# POST-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

Solve. Circle the strategy used.

$$\begin{array}{r} 5 \\ 7 \\ + 3 \\ \hline \end{array} \quad \begin{array}{r} \square \\ + 7 \\ \hline \square \end{array}$$

add any 2

make a 10

doubles near doubles

Solve. Circle the strategy used.

$$\begin{array}{r} 6 \\ 8 \\ + 6 \\ \hline \end{array} \quad \begin{array}{r} \square \\ + 8 \\ \hline \square \end{array}$$

add any 2

make a 10

doubles near doubles

Circle the near doubles fact.  
Solve all the facts.

$$8 + 7 =$$

$$7 + 7 =$$

$$8 + 8 =$$

Circle the doubles fact. Solve  
all the facts.

$$8 + 9 =$$

$$6 + 7 =$$

$$8 + 8 =$$

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**Pre-Assessment Unit 3:  
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# PRE-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

CCSS: 2.OA.A.1  
2.OA.B.2  
2.OA.C.3  
2.NBT.B.5

TEKS: 2.4 ACD  
2.7 C

CCSS: MATH.CONTENT. 2.NBT.B.5  
TEKS: 2.4 D

Circle the correct answer.

Which number sentence below is the addition sentence that helps you subtract?

$$25 - 9 = 16$$

- A  $16 + 25 = 41$
- B  $16 + 9 = 25$
- C  $9 + 16 = 21$

Which number sentence below is the addition sentence that helps you subtract?

$$18 - 10 = 8$$

- A  $8 + 8 = 16$
- B  $9 + 9 = 18$
- C  $8 + 10 = 18$

Find the sum.

$$17 + 7 =$$

- A 24
- B 10
- C 25

Find the sum.

$$8 + 15 =$$

- A 24
- B 7
- C 23

# PRE-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

CCSS: MATH.CONTENT.2.NBT.B.5  
TEKS: 2.4 D, 2.7 C

Circle the 2 numbers that make ten together. Then add. Show your work.

$$\begin{array}{r} 9 \\ + 4 \\ \hline 13 \end{array} \quad \begin{array}{r} 10 \\ + 9 \\ \hline 19 \end{array}$$

The number 4 in the first addition problem is circled in red. A red arrow points from the circled 4 to the 10 in the second addition problem.

What number belongs in the box?

$$9 + \square = 28$$

A 37

B 17

C 19

Find the difference.

$$22 - 8 =$$

A 14

B 18

C 30

Find the difference.

$$15 - 7 =$$

A 10

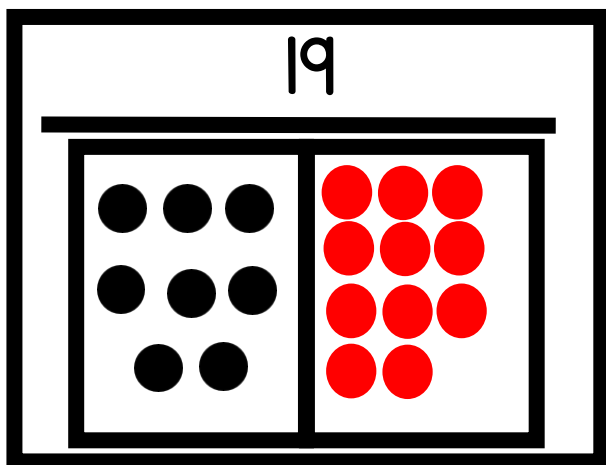
B 9

C 8

# PRE-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

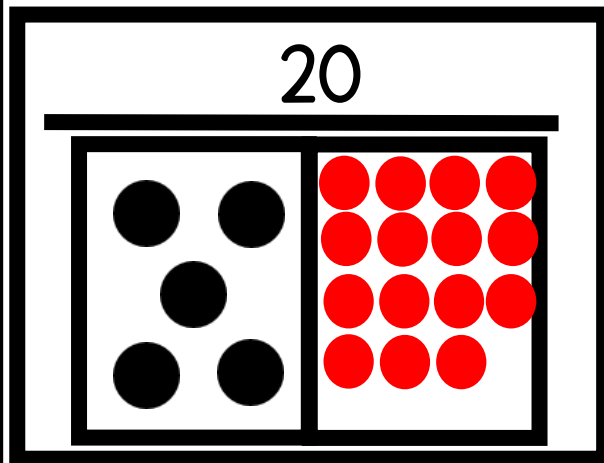
CCSS: MATH.CONTENT. 2.NBT.B.5  
CCSS: MATH.CONTENT. 2.OA.A.1  
CCSS: MATH.CONTENT. 2.OA.B.2  
TEKS: 2.4 CD, 2.7 C

Write a number sentence to match. Fill in the missing number.



$$\underline{8} + \underline{11} = \underline{19}$$

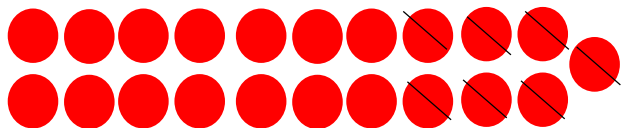
Write a number sentence to match. Fill in the missing number.



$$\underline{5} + \underline{15} = \underline{20}$$

Draw, write a number sentence, and solve.

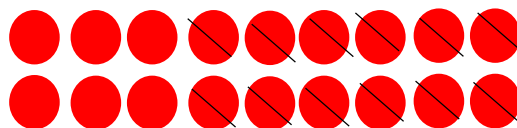
Srijan has 21 books. He let 7 of his friends borrow one book each. How many books does Srijan have now?



$$21 - 7 = 14$$

Draw, write a number sentence, and solve.

Luca has 18 cat collars. He only has 6 cats. How many **fewer** cats does Luca have than collars?



$$18 - 6 = 12$$



# PRE-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

CCSS: MATH.CONTENT. 2.NBT.B.5  
CCSS: MATH.CONTENT. 2.OA.A.1  
CCSS: MATH.CONTENT. 2.OA.B.2  
TEKS: 2.4 CD, 2.7 C

Draw, write a number sentence, and solve.

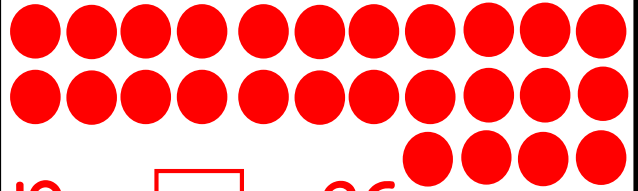
There are **some** dogs in the park. Then 12 more dogs come to the park. Now there are 24 dogs. How many dogs were in the park at first?



$$\square + 12 = 24$$

Draw, write a number sentence, and solve.

I have 18 rocks in my collection. My friend has some rocks too. Together we have 26 rocks. How many rocks does my friend have?



$$18 + \square = 26$$

Add or subtract?

$$12 \square + 15 = 27$$

Add or subtract?

$$17 \square - 6 = 11$$

# PRE-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

CCSS: MATH.CONTENT.2.OA.B.2  
TEKS: 2.4 A

Solve. Circle the strategy used.

$$\begin{array}{r} 7 \\ 8 \\ + 2 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ + 2 \\ \hline 17 \end{array}$$

add any 2

make a 10

doubles near doubles

Solve. Circle the strategy used.

$$\begin{array}{r} 2 \\ 8 \\ + 6 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ + 6 \\ \hline 16 \end{array}$$

add any 2

make a 10

doubles near doubles

Circle the near doubles fact.  
Solve all the facts.

$$11 + 11 = 22$$

$$10 + 9 = 17$$

$$12 + 12 = 24$$

Circle the doubles fact. Solve  
all the facts.

$$12 + 12 = 24$$

$$11 + 10 = 21$$

$$2 + 20 = 22$$

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Name: \_\_\_\_\_

Date: \_\_\_\_\_

# POST-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

CCSS: 2.OA.A.1  
2.OA.B.2  
2.OA.C.3  
2.NBT.B.5

TEKS: 2.4 ACD  
2.7 C

Circle the correct answer.

CCSS: MATH.CONTENT. 2.NBT.B.5  
TEKS: 2.4 D

Which number sentence below is the addition sentence that helps you subtract?

$$13-5=8$$

A  $4+13=17$

B  $5+8=13$

C  $6+12=18$

Which number sentence below is the addition sentence that helps you subtract?

$$12-8=4$$

A  $8+8=16$

B  $4+11=15$

C  $4+8=12$

Find the sum.

$$12+5=$$

A 15

B 14

C 17

Find the sum.

$$13+6=$$

A 19

B 16

C 15

# POST-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

CCSS: MATH.CONTENT.2.NBT.B.5  
TEKS: 2.4 D, 2.7 C

Circle the 2 numbers that make ten together. Then add. Show your work.

$$\begin{array}{r} \textcircled{2} \\ 4 \\ + \textcircled{8} \\ \hline 14 \end{array} \quad \begin{array}{r} 10 \\ 10 \\ + 4 \\ \hline 14 \end{array}$$

What number belongs in the box?

$$8 + \square = 14$$

A 4

B 5

C 6

Find the difference.

$$13 - 4 =$$

A 8

B 9

C 10

Find the difference.

$$17 - 6 =$$

A 10

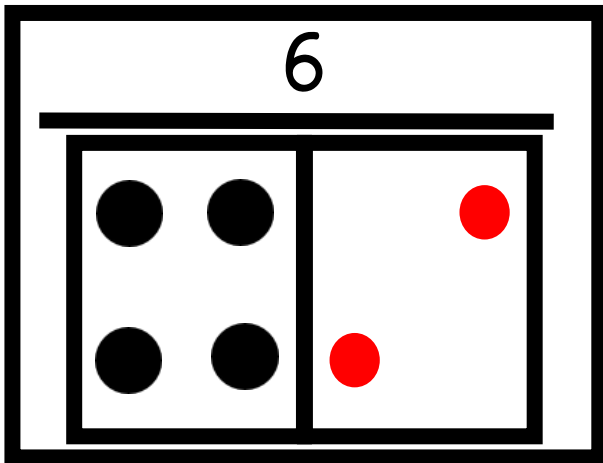
B 9

C 11

# POST-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

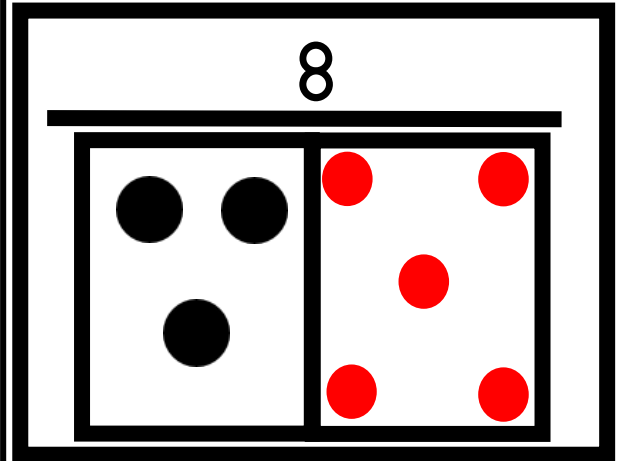
CCSS: MATH.CONTENT. 2.NBT.B.5  
CCSS: MATH.CONTENT. 2.OA.A.1  
CCSS: MATH.CONTENT. 2.OA.B.2

Write a number sentence to match. Fill in the missing number.



$$\underline{4} + \underline{2} = \underline{6}$$

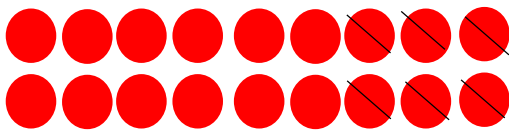
Write a number sentence to match. Fill in the missing number.



$$\underline{3} + \underline{5} = \underline{8}$$

Draw, write a number sentence, and solve.

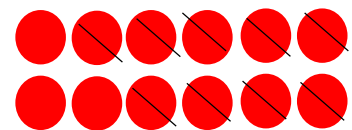
Sam has 18 toy cars. He loses 6 toy cars. How many toy cars does Sam have now?



$$18 - 6 = 12$$

Draw, write a number sentence, and solve.

Luke has 12 chips. His friend has 9 chips. How many **more** chips does Luke have?



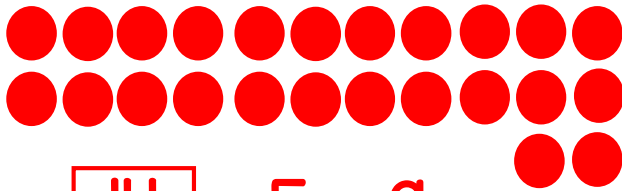
$$12 - 9 = 3$$

# POST-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

CCSS: MATH.CONTENT. 2.NBT.B.5  
CCSS: MATH.CONTENT. 2.OA.A.1  
CCSS: MATH.CONTENT. 2.OA.B.2  
TEKS: 2.4 CD, 2.7 C

Draw, write a number sentence, and solve.

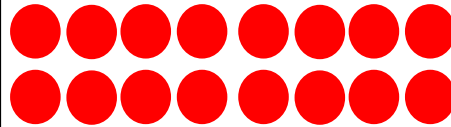
There are **some** eggs in the nest.  
The hen lays 5 more eggs. Now  
there are 9 eggs. How many  
eggs were in the nest at first?



$$\boxed{14} + 5 = 9$$

Draw, write a number sentence, and solve.

I have 7 buttons in my pocket.  
My friend has some buttons.  
Together we have 16 buttons.  
How many buttons does my  
friend have?



$$7 + \boxed{9} = 16$$

Add or subtract?

$$8 \boxed{+} 7 = 15$$

Add or subtract?

$$14 \boxed{-} 4 = 10$$

# POST-ASSESSMENT UNIT 3: ADDITION & SUBTRACTION STRATEGIES

CCSS: MATH.CONTENT. 2.OA.B.2  
TEKS: 2.4 A

Solve. Circle the strategy used.

$$\begin{array}{r} 5 \\ + 7 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ + 5 \\ \hline \end{array}$$

add any 2

make a 10

doubles near doubles

Solve. Circle the strategy used.

$$\begin{array}{r} 6 \\ + 6 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ + 8 \\ \hline \end{array}$$

add any 2

make a 10

doubles near doubles

Circle the near doubles fact.  
Solve all the facts.

$$8 + 7 = 15$$

$$7 + 7 = 14$$

$$8 + 8 = 16$$

Circle the doubles fact. Solve  
all the facts.

$$8 + 9 = 17$$

$$6 + 7 = 13$$

$$8 + 8 = 16$$