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Building to 10 - Year 1

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Friends of 10



$$0 + 10 = 10$$

$$1 + 9 = 10$$

$$2 + 8 = 10$$

$$3 + 7 = 10$$

$$4 + 6 = 10$$

$$5 + 5 = 10$$

Friends of 10



$$0 + 10 = 10$$

$$1 + 9 = 10$$

$$2 + 8 = 10$$

$$3 + 7 = 10$$

$$4 + 6 = 10$$

$$5 + 5 = 10$$

Friends of 10



$$0 + 10 = 10$$

$$1 + 9 = 10$$

$$2 + 8 = 10$$

$$3 + 7 = 10$$

$$4 + 6 = 10$$

$$5 + 5 = 10$$



Rainbow Race to 10



How to play

1. Roll and move.
2. Pick a card on a card space.
3. Answer correctly to stay.
4. First to **FINISH** wins!

Rainbow Race Challenge Cards

$$0 + \underline{\quad} = 10$$

$$1 + \underline{\quad} = 10$$

$$2 + \underline{\quad} = 10$$

$$3 + \underline{\quad} = 10$$

$$4 + \underline{\quad} = 10$$

$$5 + \underline{\quad} = 10$$

$$\underline{\quad} + 6 = 10$$

$$\underline{\quad} + 7 = 10$$

$$\underline{\quad} + 8 = 10$$

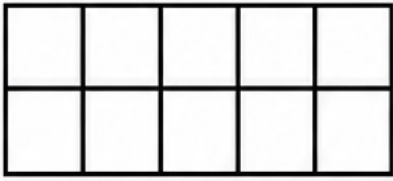
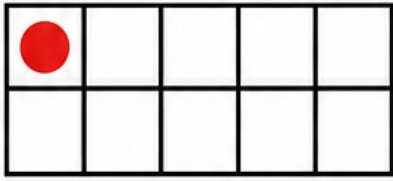
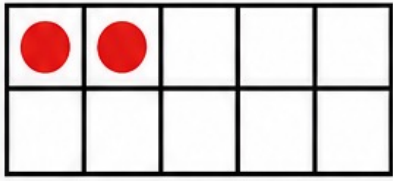
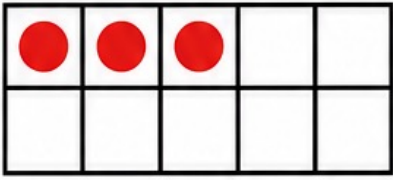
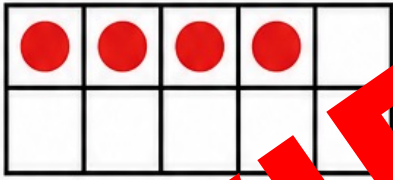
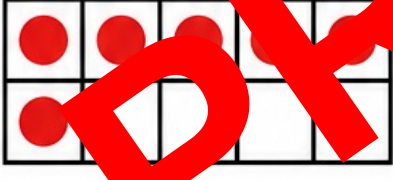
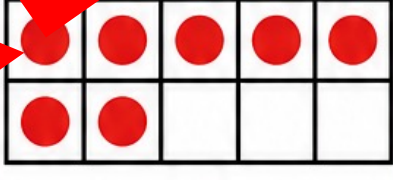
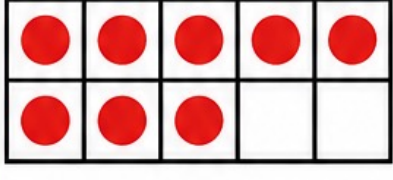
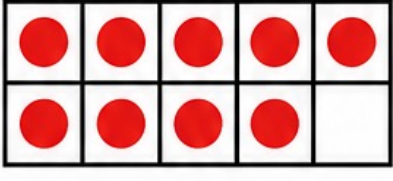
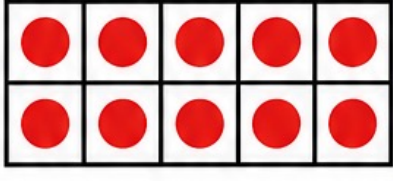
$$\underline{\quad} + 9 = 10$$

$$10 + \underline{\quad} = 10$$

Write two
ways to
make 10.

Ten-Frame Partner Match - Set A

PREVIEW

 0	 1	 2
 3	 4	 5
 6	 7	 8
 9	 10	Match with Set B. Two cards must total 10.

Ten-Frame Partner Match - Set B

10



9



8



7



6



5



4



3



2



1



0



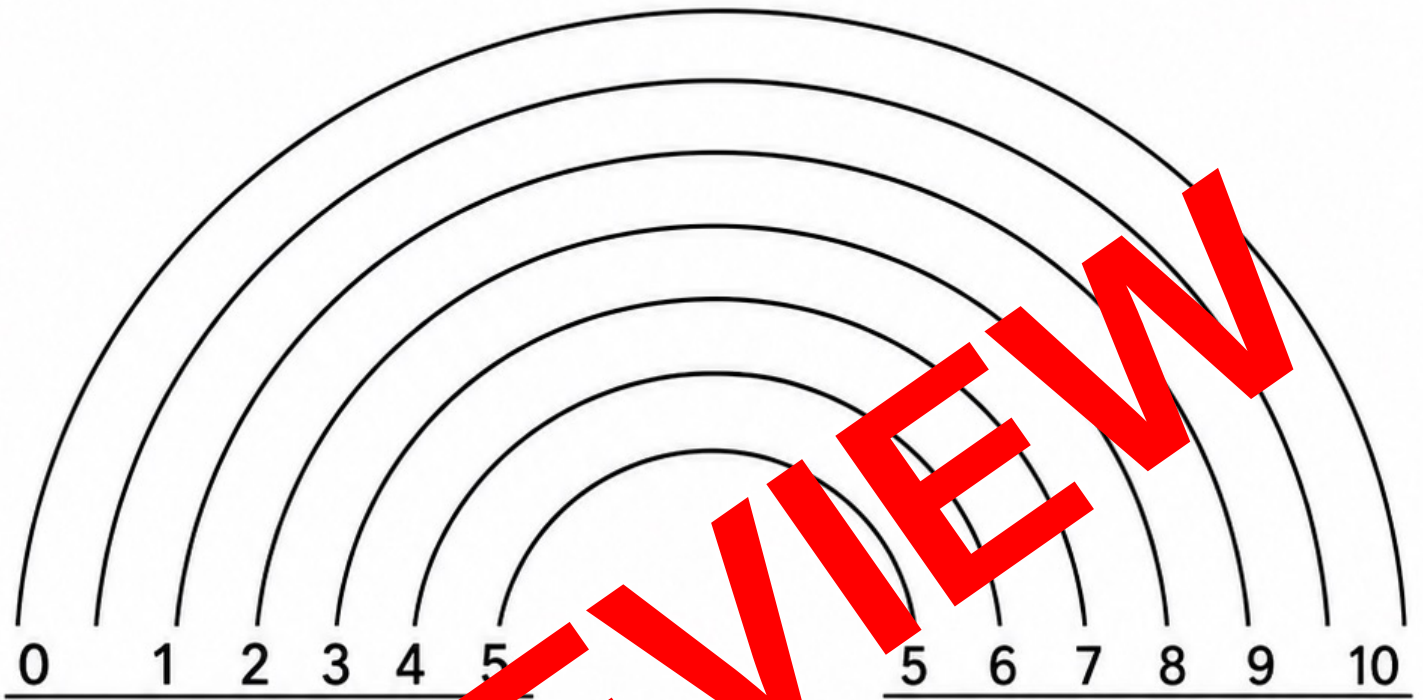
Match with
Set A.
Two cards
must total 10.



Name: _____

Rainbow Partners to 10

Use the rainbow. Write each missing partner.



$$0 + \boxed{} = 10$$

$$3 + \boxed{} = 10$$

$$1 + \boxed{} = 10$$

$$4 + \boxed{} = 10$$

$$2 + \boxed{} = 10$$

$$5 + \boxed{} = 10$$

Rainbow Partners to 10

Use the rainbow. Write each missing partner.



$$0 + \boxed{10} = 10$$

$$3 + \boxed{7} = 10$$

$$1 + \boxed{9} = 10$$

$$4 + \boxed{6} = 10$$

$$2 + \boxed{8} = 10$$

$$5 + \boxed{5} = 10$$

Rainbow Partners to 10



Name: _____

Complete each number sentence.

$$9 + \underline{\quad} = 10$$

$$\underline{\quad} + 8 = 10$$

$$3 + \underline{\quad} = 10$$

$$\underline{\quad} + 1 = 10$$

$$5 + \underline{\quad} = 10$$

$$\underline{\quad} + 4 = 10$$

$$7 + \underline{\quad} = 10$$

$$\underline{\quad} + 6 = 10$$

$$2 + \underline{\quad} = 10$$

$$\underline{\quad} + 9 = 10$$

$$0 + \underline{\quad} = 10$$

$$\underline{\quad} + 5 = 10$$

Rainbow Partners to 10



ANSWERS: _____

Complete each number sentence.

$$9 + \underline{1} = 10$$

$$\underline{2} + 8 = 10$$

$$3 + \underline{7} = 10$$

$$\underline{9} + 1 = 10$$

$$5 + \underline{5} = 10$$

$$\underline{6} + 4 = 10$$

$$7 + \underline{3} = 10$$

$$\underline{4} + 6 = 10$$

$$2 + \underline{8} = 10$$

$$\underline{1} + 9 = 10$$

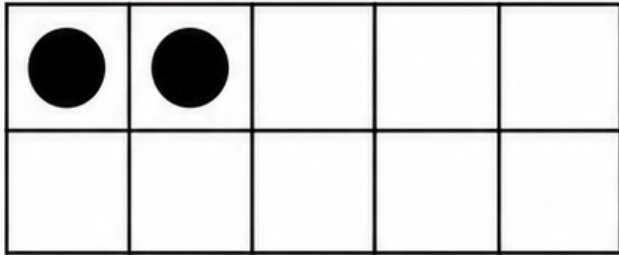
$$0 + \underline{10} = 10$$

$$\underline{5} + 5 = 10$$

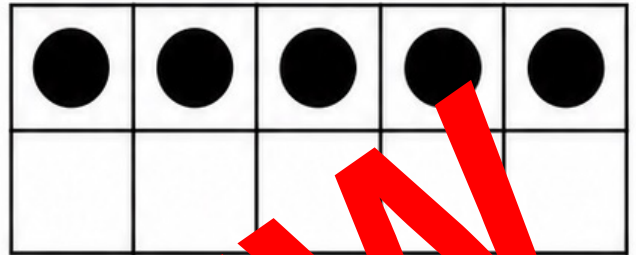
Ten-Frame Partners

Name: _____

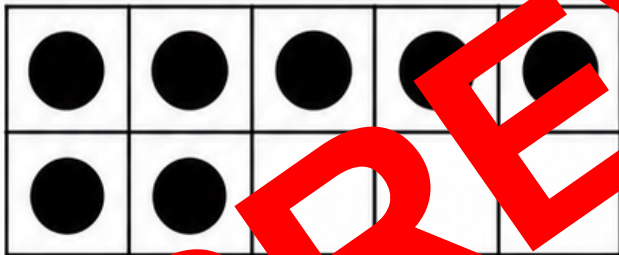
Draw the missing counters. Complete the equation.



$$2 + \underline{\quad} = 10$$



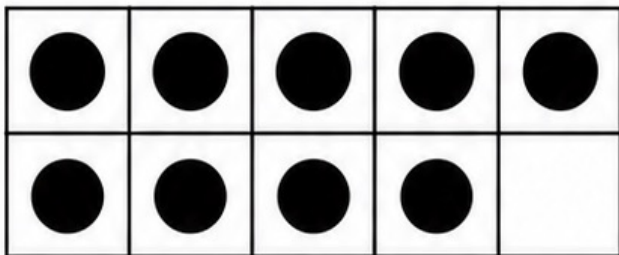
$$5 + \underline{\quad} = 10$$



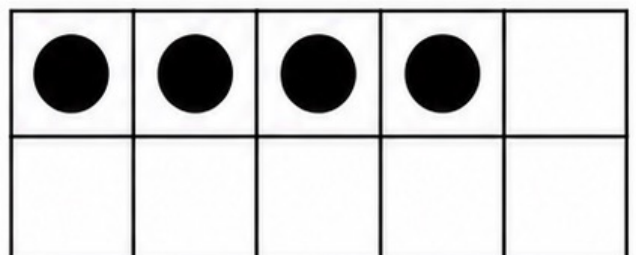
$$7 + \underline{\quad} = 10$$



$$1 + \underline{\quad} = 10$$



$$9 + \underline{\quad} = 10$$

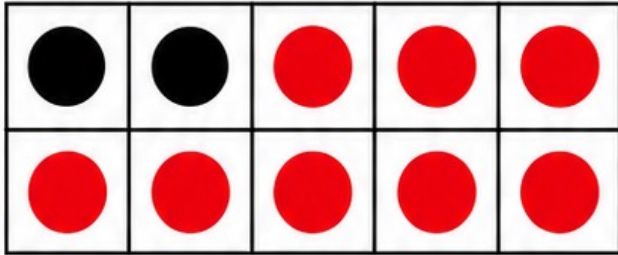


$$4 + \underline{\quad} = 10$$

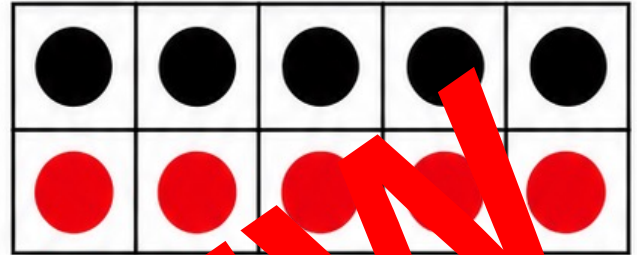
Ten-Frame Partners

ANSWERS _____

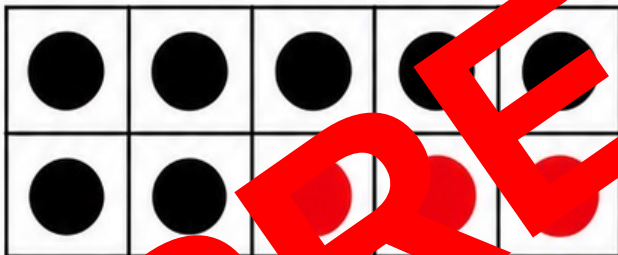
Draw the missing counters. Complete the equation.



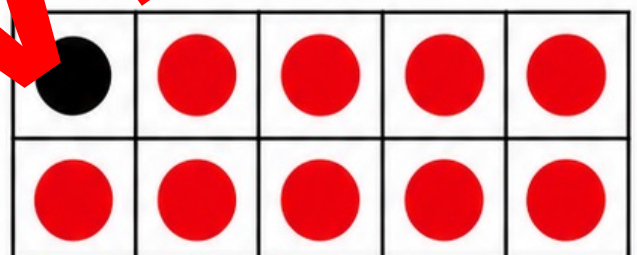
$$2 + \underline{8} = 10$$



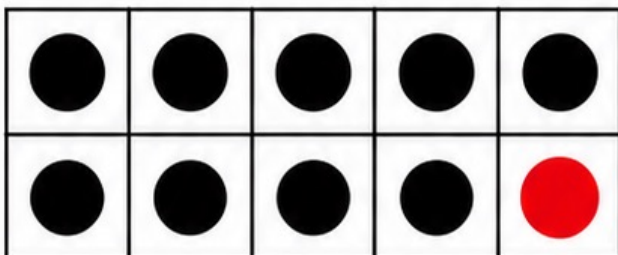
$$5 + \underline{5} = 10$$



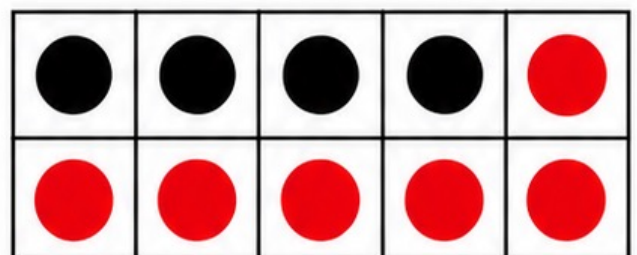
$$7 + \underline{3} = 10$$



$$1 + \underline{9} = 10$$



$$9 + \underline{1} = 10$$

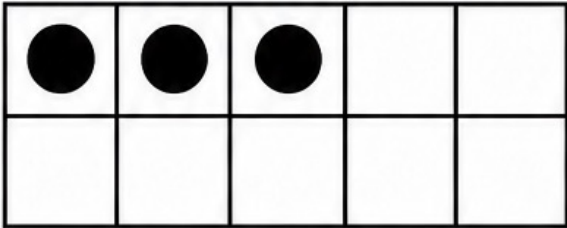


$$4 + \underline{6} = 10$$

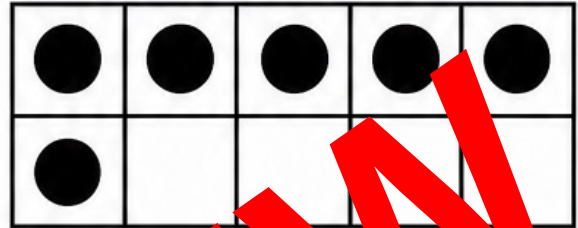
Ten-Frame Partners

Name: _____

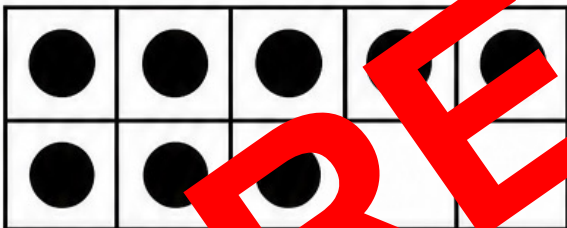
Complete each number sentence.



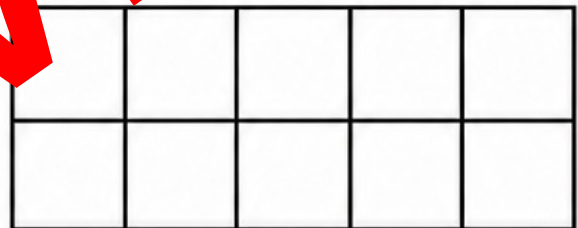
$$3 + \underline{\quad} = 10$$



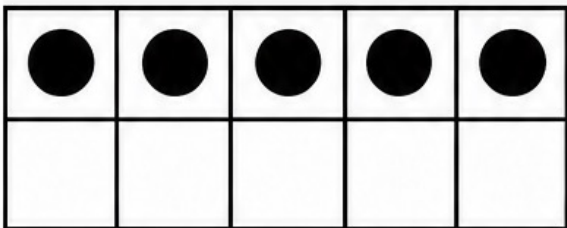
$$\underline{\quad} + 6 = 10$$



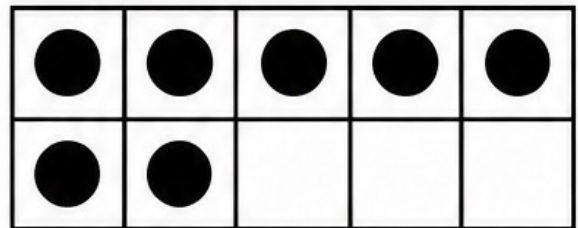
$$\underline{\quad} = 10$$



$$\underline{\quad} + 0 = 10$$



$$5 + \underline{\quad} = 10$$

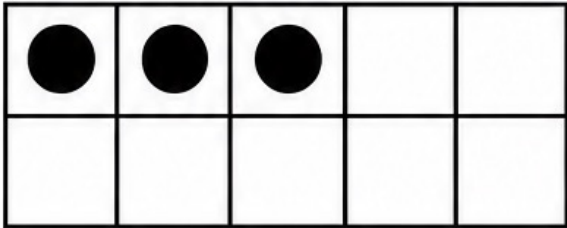


$$\underline{\quad} + 7 = 10$$

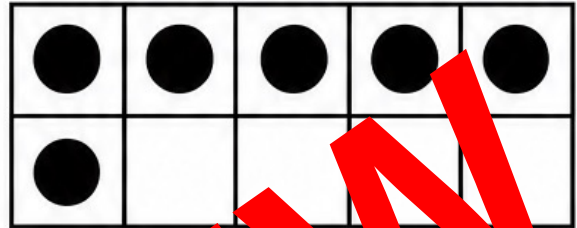
Ten-Frame Partners

ANSWERS: _____

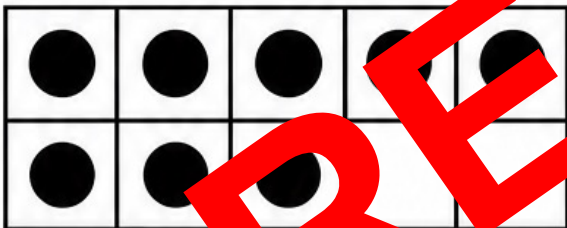
Complete each number sentence.



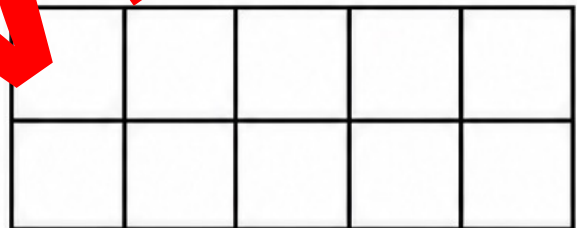
$$3 + \underline{7} = 10$$



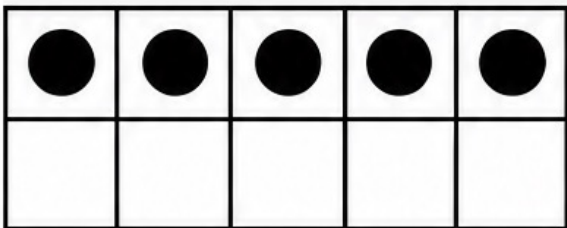
$$\underline{5} + 5 = 10$$



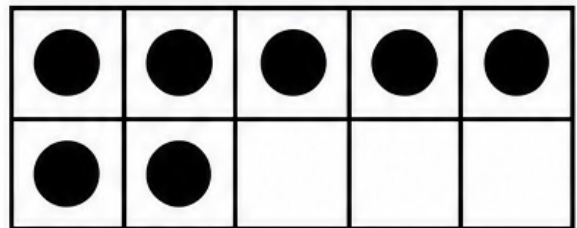
$$5 + \underline{5} = 10$$



$$\underline{10} + 0 = 10$$



$$5 + \underline{5} = 10$$

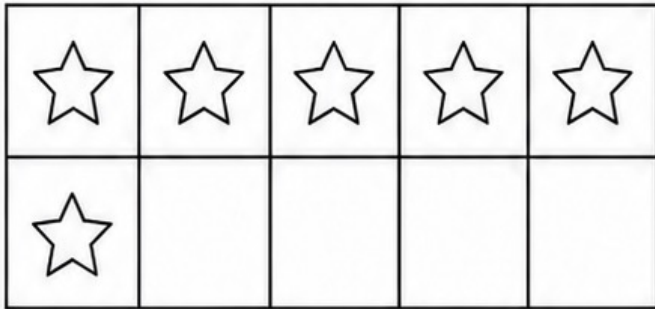


$$\underline{3} + 7 = 10$$

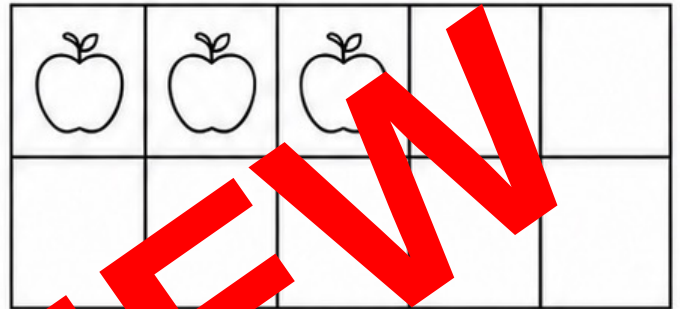
Picture Partners to 10

Name: _____

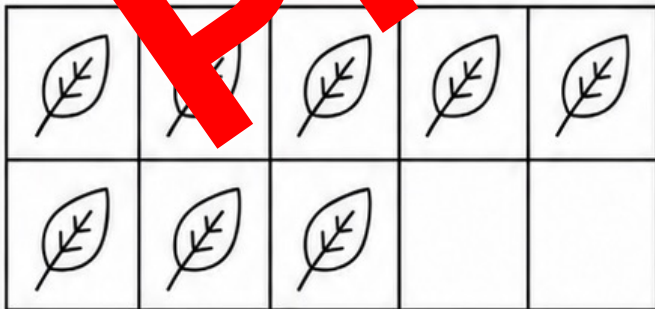
Draw more pictures to make 10. Complete each equation.



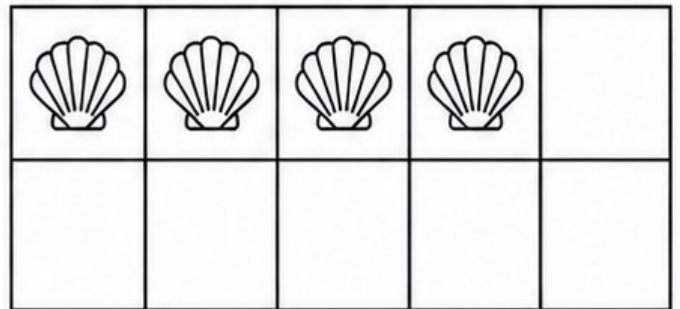
$$6 + \underline{\quad} = 10$$



$$3 + \underline{\quad} = 10$$



$$8 + \underline{\quad} = 10$$

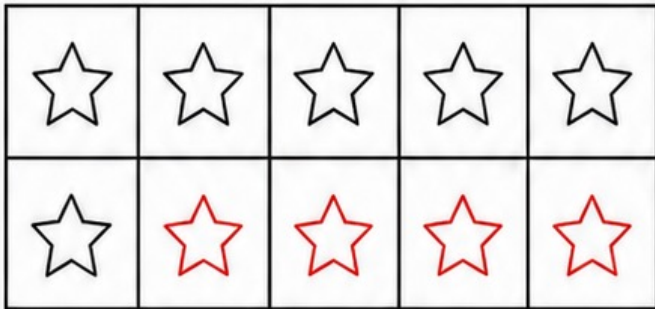


$$4 + \underline{\quad} = 10$$

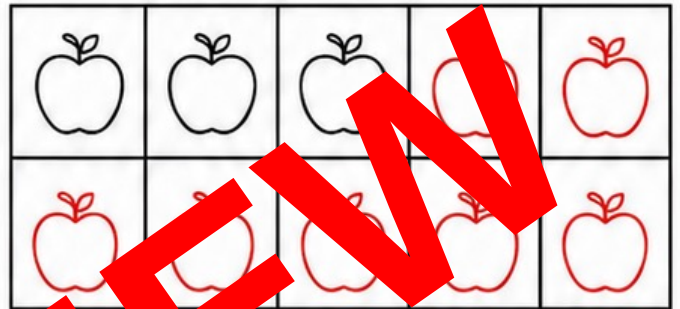
Picture Partners to 10

ANSWERS _____

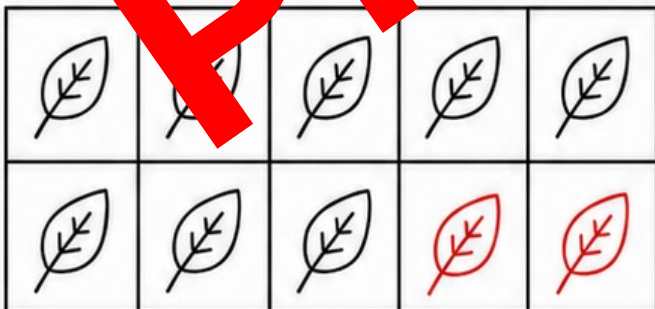
Draw more pictures to make 10. Complete each equation.



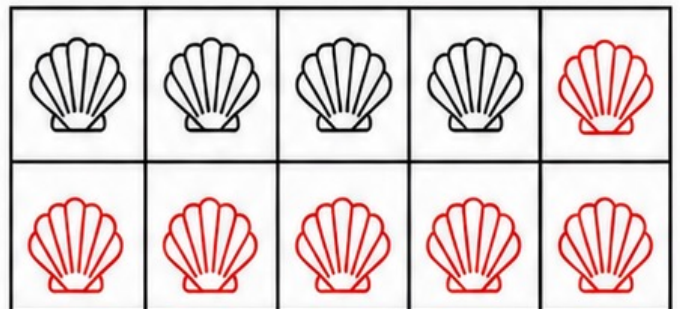
$$6 + \underline{4} = 10$$



$$3 + \underline{7} = 10$$



$$8 + \underline{2} = 10$$

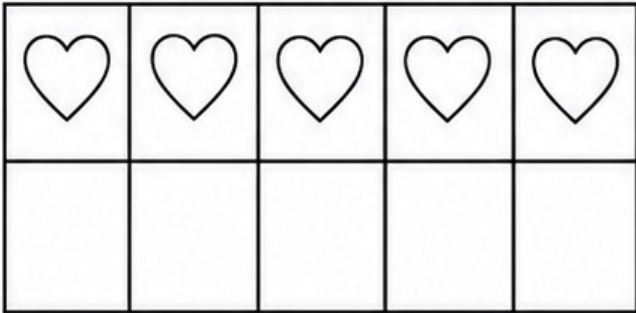


$$4 + \underline{6} = 10$$

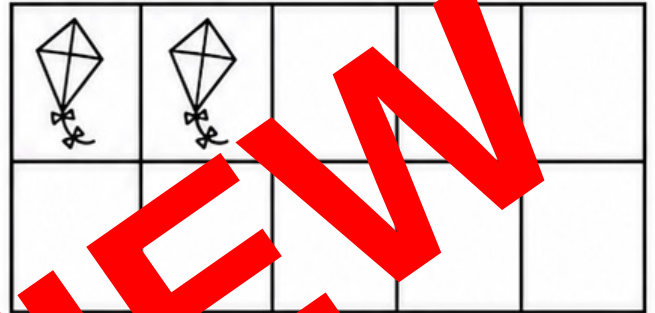
Picture Partners to 10

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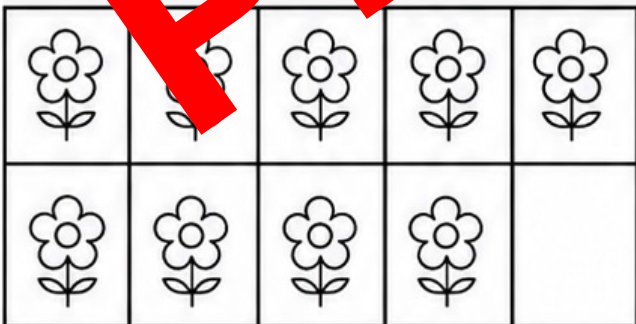
Draw more pictures to make 10. Complete each equation.



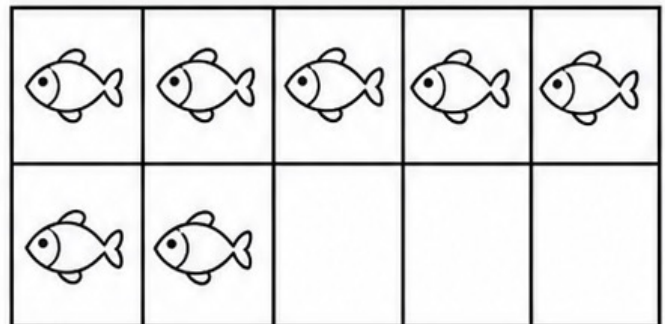
$$5 + \underline{\quad} = 10$$



$$2 + \underline{\quad} = 10$$



$$9 + \underline{\quad} = 10$$

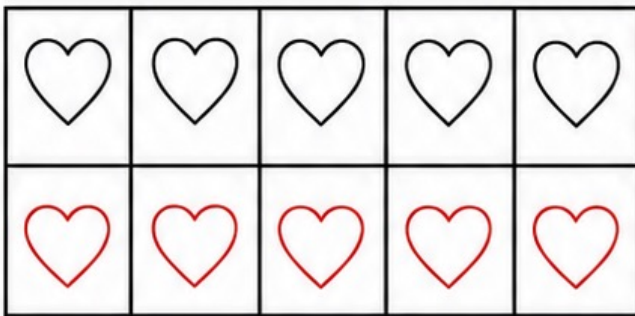


$$7 + \underline{\quad} = 10$$

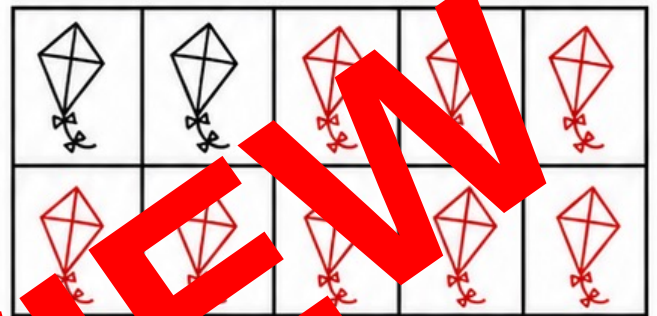
Picture Partners to 10

ANSWERS _____

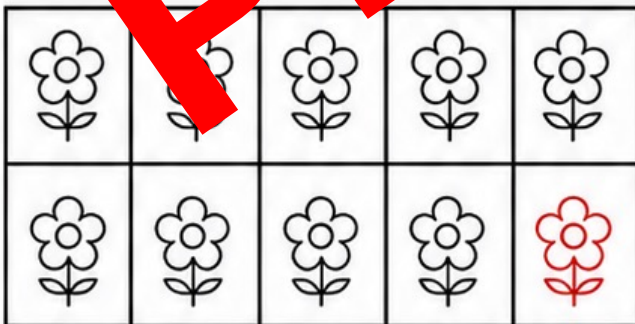
Draw more pictures to make 10. Complete each equation.



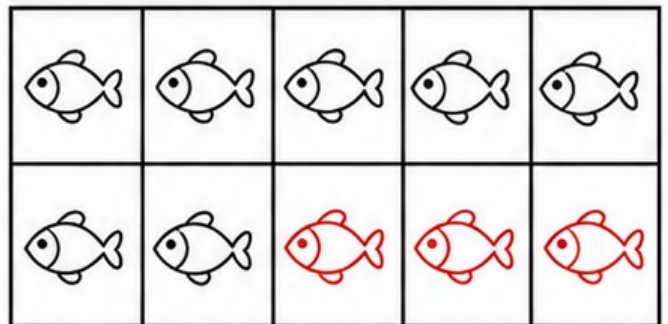
$$5 + \underline{5} = 10$$



$$2 + \underline{8} = 10$$



$$9 + \underline{1} = 10$$



$$7 + \underline{3} = 10$$

Turnaround Facts to 10

Name: _____

Complete each fact and its turnaround.

Example

$$2 + 8 = 10 \longleftrightarrow 8 + 2 = 10$$

1. $1 + \underline{\quad} = 10 \longrightarrow \underline{\quad} + 1 = 10$

2. $3 + \underline{\quad} = 10 \longrightarrow \underline{\quad} + 3 = 10$

3. $4 + \underline{\quad} = 10 \longrightarrow \underline{\quad} + 4 = 10$

4. $6 + \underline{\quad} = 10 \longrightarrow \underline{\quad} + 6 = 10$

5. $7 + \underline{\quad} = 10 \longrightarrow \underline{\quad} + 7 = 10$

6. $9 + \underline{\quad} = 10 \longrightarrow \underline{\quad} + 9 = 10$

Turnaround Facts to 10

ANSWERS _____

Complete each fact and its turnaround.

Example

$$2 + 8 = 10 \longleftrightarrow 8 + 2 = 10$$

1. $1 + \underline{9} = 10 \longrightarrow \underline{9} + 1 = 10$

2. $3 + \underline{7} = 10 \longrightarrow \underline{7} + 3 = 10$

3. $4 + \underline{6} = 10 \longrightarrow \underline{6} + 4 = 10$

4. $6 + \underline{4} = 10 \longrightarrow \underline{4} + 6 = 10$

5. $7 + \underline{3} = 10 \longrightarrow \underline{3} + 7 = 10$

6. $9 + \underline{1} = 10 \longrightarrow \underline{1} + 9 = 10$



Missing Addends to 10



Name: _____

Write the missing number to make 10.

$$0 + \underline{\quad} = 10$$

$$\underline{\quad} + 1 = 10$$

$$2 + \underline{\quad} = 10$$

$$\underline{\quad} + 3 = 10$$

$$4 + \underline{\quad} = 10$$

$$\underline{\quad} + 5 = 10$$

$$6 + \underline{\quad} = 10$$

$$\underline{\quad} + 7 = 10$$

$$8 + \underline{\quad} = 10$$

$$\underline{\quad} + 9 = 10$$

$$10 + \underline{\quad} = 10$$

$$\underline{\quad} + 6 = 10$$



Missing Addends to 10



ANSWERS _____

Write the missing number to make 10.

$$0 + \underline{10} = 10$$

$$\underline{9} + 1 = 10$$

$$2 + \underline{8} = 10$$

$$\underline{7} + 3 = 10$$

$$4 + \underline{6} = 10$$

$$\underline{5} + 5 = 10$$

$$6 + \underline{4} = 10$$

$$\underline{3} + 7 = 10$$

$$8 + \underline{2} = 10$$

$$\underline{1} + 9 = 10$$

$$10 + \underline{0} = 10$$

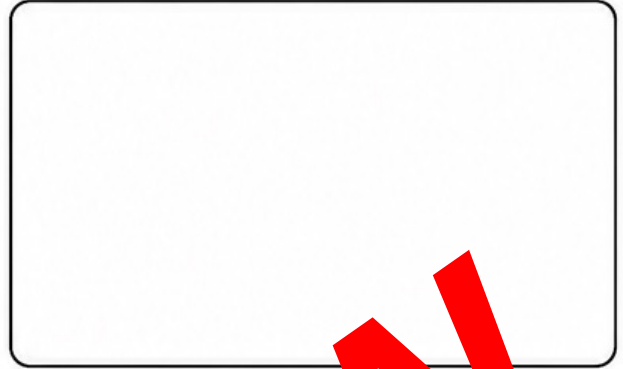
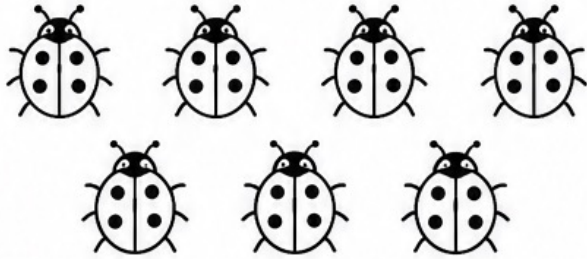
$$\underline{4} + 6 = 10$$

Stories to 10

Name: _____

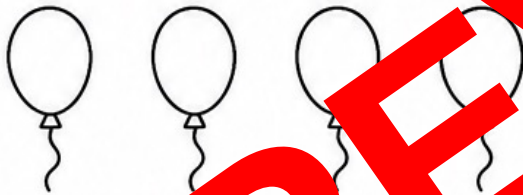
Draw the missing part. Write the number sentence.

1. There are 7 ladybirds.
More join. Now there are 10.
How many joined?



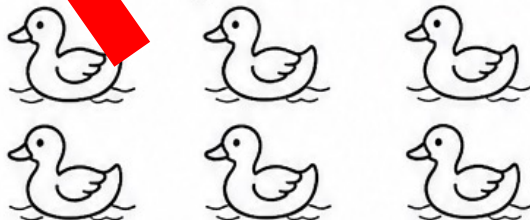
$$\underline{\quad} + \underline{\quad} = 10$$

2. There are 4 balloons.
More are added. Now there are 10.
How many were added?



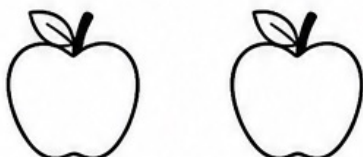
$$\underline{\quad} + \underline{\quad} = 10$$

3. There are 6 ducks.
More swim over. Now there are 10.
How many swim over?



$$\underline{\quad} + \underline{\quad} = 10$$

4. There are 2 apples.
More are picked. Now there are 10.
How many are picked?



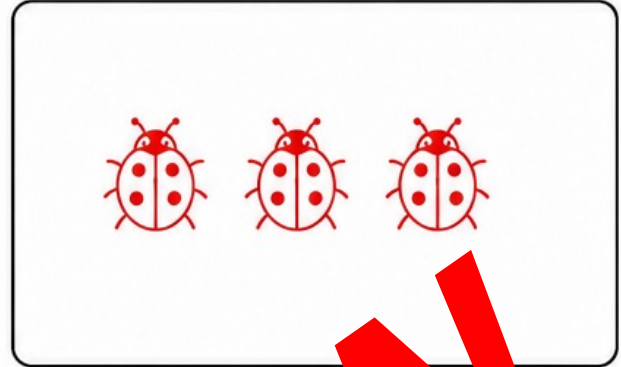
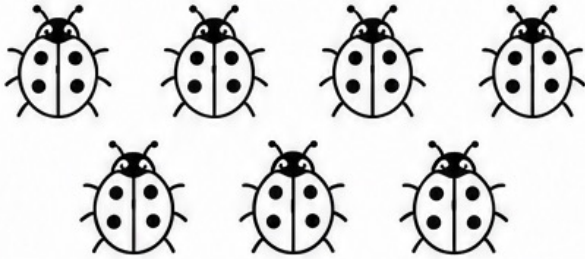
$$\underline{\quad} + \underline{\quad} = 10$$

Stories to 10

ANSWERS

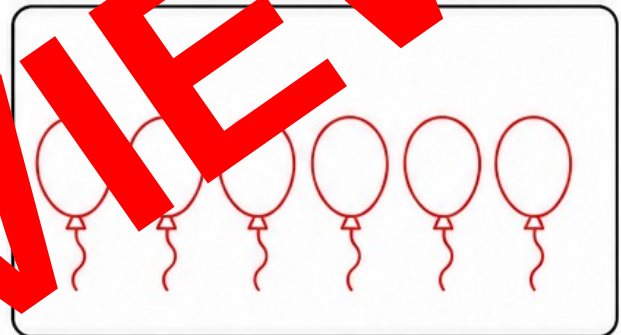
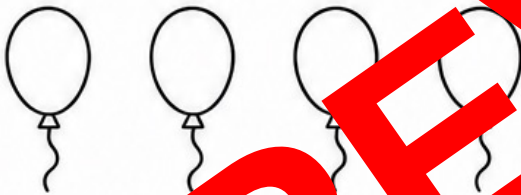
Draw the missing part. Write the number sentence.

1. There are 7 ladybirds.
More join. Now there are 10.
How many joined?



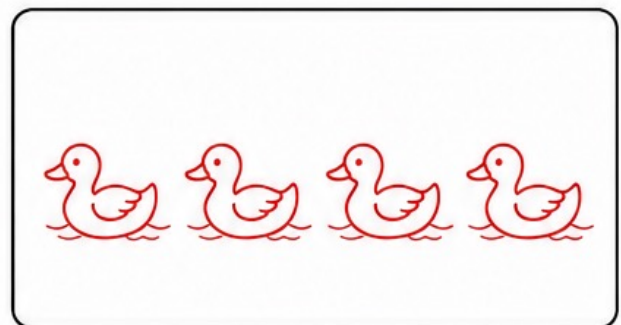
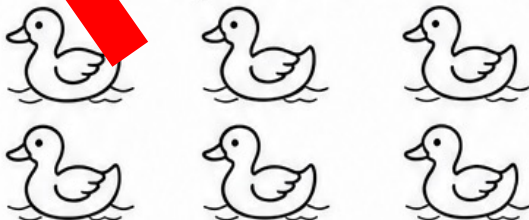
$$\underline{7} + \underline{3} = 10$$

2. There are 4 balloons.
More are added. Now there are 10.
How many were added?



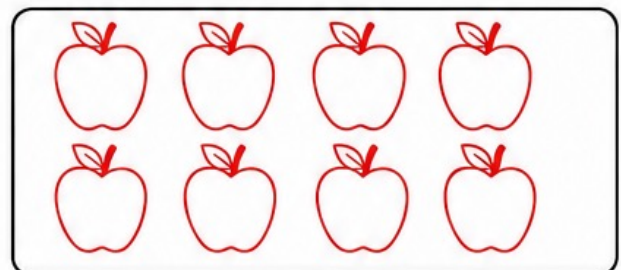
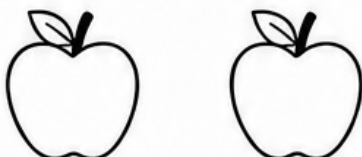
$$\underline{4} + \underline{6} = 10$$

3. There are 6 ducks.
More swim over. Now there are 10.
How many swim over?



$$\underline{6} + \underline{4} = 10$$

4. There are 2 apples.
More are picked. Now there are 10.
How many are picked?



$$\underline{2} + \underline{8} = 10$$



Which Make 10?



Name: _____

Circle the equations that make 10. Fix the ones that do not.

$$0 + 10 = 10$$

Fix: ___ + ___ = 10

$$2 + 7 = 10$$

Fix: ___ + ___ = 10

$$1 + 9 = 10$$

Fix: ___ + ___ = 10

$$3 + 8 = 10$$

Fix: ___ + ___ = 10

$$4 + 6 = 10$$

Fix: ___ + ___ = 10

$$5 + 4 = 10$$

Fix: ___ + ___ = 10

$$5 + 5 = 10$$

Fix: ___ + ___ = 10

$$7 + 2 = 10$$

Fix: ___ + ___ = 10

$$6 + 4 = 10$$

Fix: ___ + ___ = 10

$$8 + 3 = 10$$

Fix: ___ + ___ = 10

$$9 + 1 = 10$$

Fix: ___ + ___ = 10

$$10 + 1 = 10$$

Fix: ___ + ___ = 10



Which Make 10?



ANSWERS

Circle the equations that make 10. Fix the ones that do not.

$$0 + 10 = 10$$

Fix: + = 10

$$2 + 7 = 10$$

Fix: 2 + 8 = 10

$$1 + 9 = 10$$

Fix: + = 10

$$3 + 8 = 10$$

Fix: 3 + 7 = 10

$$4 + 6 = 10$$

Fix: + = 10

$$5 + 4 = 10$$

Fix: 5 + 5 = 10

$$5 + 5 = 10$$

Fix: + = 10

$$7 + 2 = 10$$

Fix: 7 + 3 = 10

$$6 + 4 = 10$$

Fix: + = 10

$$8 + 3 = 10$$

Fix: 8 + 2 = 10

$$9 + 1 = 10$$

Fix: + = 10

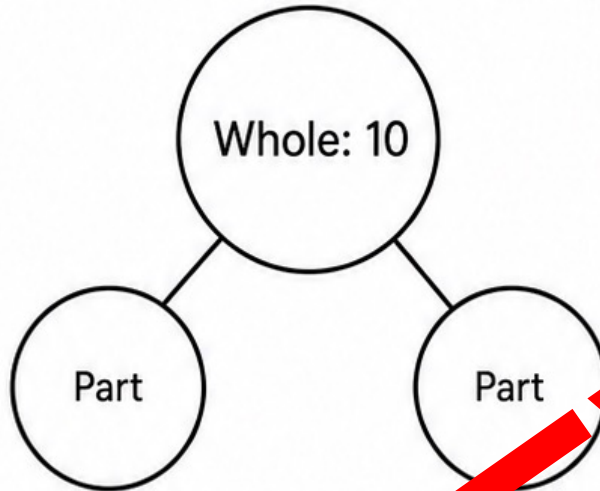
$$10 + 1 = 10$$

Fix: 10 + 0 = 10

Find All the Partners

Name: _____

Use counters or a ten-frame. Find every pair that makes 10.



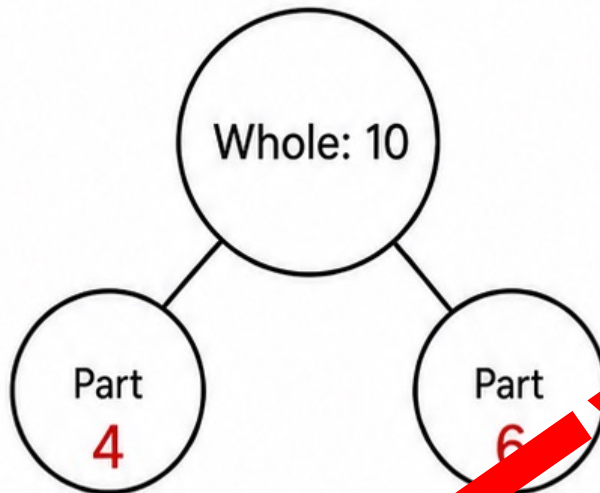
Part A	Part B	Number sentence
0	_____	___ + ___ = 10
1	_____	___ + ___ = 10
2	_____	___ + ___ = 10
3	_____	___ + ___ = 10
4	_____	___ + ___ = 10
5	_____	___ + ___ = 10

I notice...

Find All the Partners

ANSWERS: _____

Use counters or a ten-frame. Find every pair that makes 10.



Part A	Part B	Number sentence
0	<u>10</u>	<u>0</u> + <u>10</u> = 10
1	<u>9</u>	<u>1</u> + <u>9</u> = 10
2	<u>8</u>	<u>2</u> + <u>8</u> = 10
3	<u>7</u>	<u>3</u> + <u>7</u> = 10
4	<u>6</u>	<u>4</u> + <u>6</u> = 10
5	<u>5</u>	<u>5</u> + <u>5</u> = 10

I notice...

As Part A goes up by 1, Part B goes down by 1.

Building to 10 Check-In

Name: _____

Page 1 of 2

Part A: Missing partners



Write the missing number.

$1 + \underline{\quad} = 10$

$\underline{\quad} + 4 = 10$

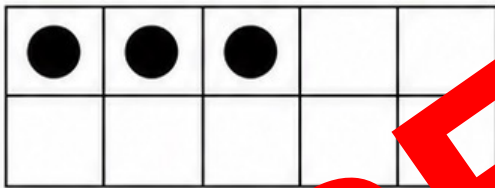
$7 + \underline{\quad} = 10$

$\underline{\quad} + 9 = 10$

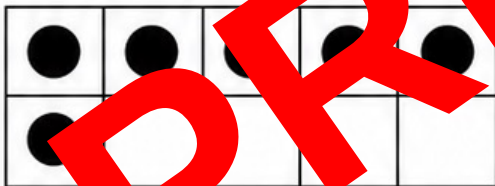
Part B: Ten-frames



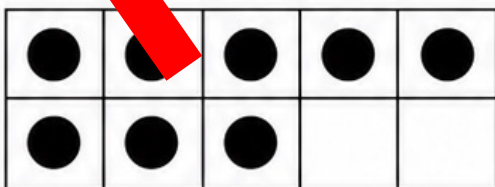
Draw the missing counters. Complete the equation.



$3 + \underline{\quad} = 10$



$6 + \underline{\quad} = 10$



$8 + \underline{\quad} = 10$

Part C: Show two ways



Write two different ways to make 10.

$\underline{\quad} + \underline{\quad} = 10$

$\underline{\quad} + \underline{\quad} = 10$

Building to 10 Check-In

ANSWERS _____

Page 1 of 2

Part A: Missing partners



Write the missing number.

$$1 + \underline{9} = 10$$

$$\underline{6} + 4 = 10$$

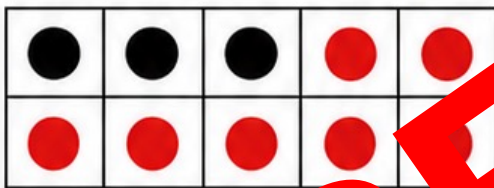
$$7 + \underline{3} = 10$$

$$\underline{1} + 9 = 10$$

Part B: Ten-frames



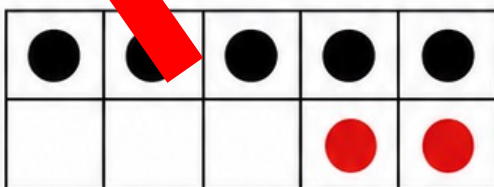
Draw the missing counters. Complete the equation.



$$3 + \underline{7} = 10$$



$$6 + \underline{4} = 10$$



$$8 + \underline{2} = 10$$

Part C: Show two ways



Write two different ways to make 10.

$$\underline{2} + \underline{8} = 10$$

$$\underline{5} + \underline{5} = 10$$

Building to 10 Check-In

Name: _____

Page 2 of 2

Part D: Number story



Sam has 6 toy cars. He gets more.

Now he has 10.

How many more cars does he get?



$$6 + \underline{\quad} = 10$$

Sam gets more cars.

Part E: Turnaround fact

Write the turnaround fact.

$$3 + 7 = 10 \rightarrow \underline{\quad} + \underline{\quad} = 10$$

Part F: Draw and label

Draw counters to show $\underline{\quad} + \underline{\quad} = 10$. Label the parts.

Part A:

Part B:

Whole:

Part G: True or false?

$$5 + 4 = 10$$

Circle True or False. If false, fix it.

True

False

Fix: + = 10

Building to 10 Check-In

ANSWERS _____

Page 2 of 2

Part D: Number story



Sam has 6 toy cars. He gets more.

Now he has 10.

How many more cars does he get?



$$6 + \underline{4} = 10$$

Sam gets 4 more cars.

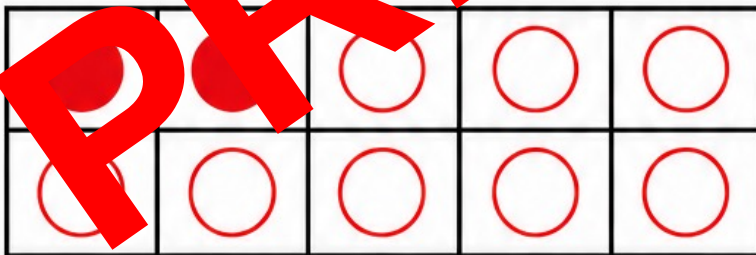
Part E: Turnaround fact

Write the turnaround fact.

$$3 + 7 = 10 \rightarrow \underline{7} + \underline{3} = 10$$

Part F: Draw and label

Draw counters to show $2 + 8 = 10$. Label the parts.



Part A: 2

Part B: 8

Whole: 10

Part G: True or false?

$$5 + 4 = 10$$

Circle True or False. If false, fix it.

True

False

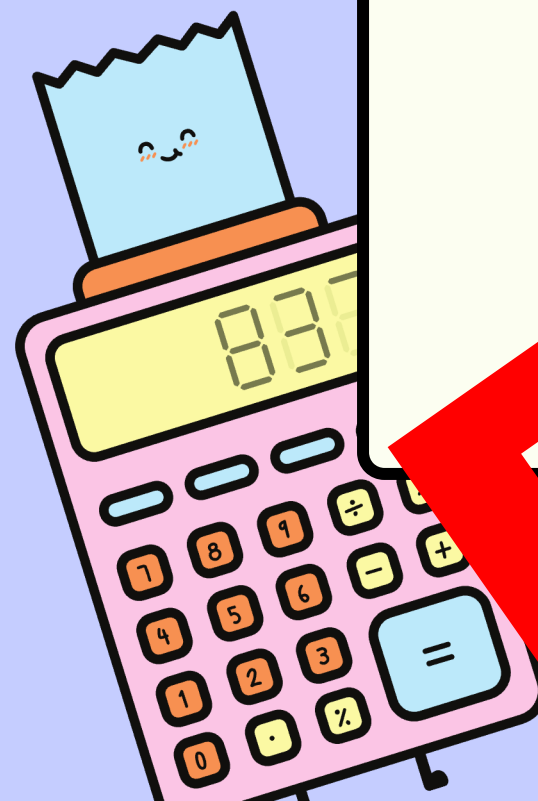
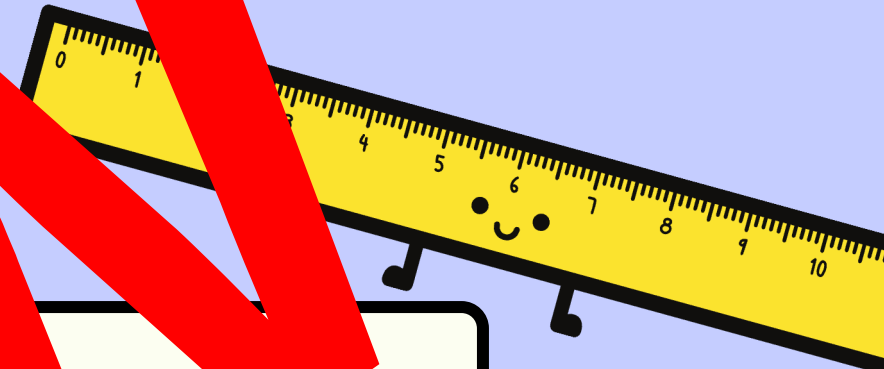
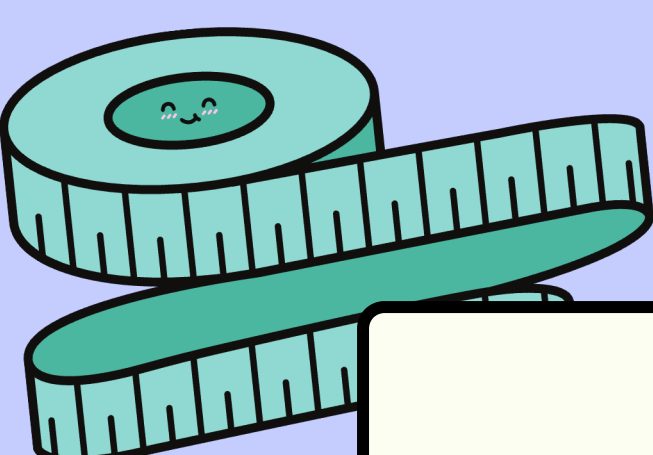
Fix: 5 + 5 = 10

Building to 10 - Year 1 Rubric

Student: _____ Date: _____ Teacher: _____

	BEGINNING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
Identifies partners to 10	Finds a partner with support.	Finds partners accurately.	Finds all partners accurately.	Recalls partners efficiently.	Generalises partner patterns.
Represents parts with materials or ten-frames	Models with step-by-step support.	Builds a partly accurate model.	Builds an accurate model.	Chooses and explains a model.	Connects multiple representations.
Completes and explains number sentences	Completes facts with support.	Completes some facts accurately.	Completes and explains facts.	Uses turnaround facts flexibly.	Justifies patterns and equivalence.
Applies a strategy to a simple problem	Begins a problem with support.	Selects a partly effective strategy.	Solves a simple problem accurately.	Explains an efficient strategy.	Compares and justifies strategies.

Teacher comment: _____



Building to 10

PREVIEW

Learning Goal

We are learning to build 10 from two parts.

We will find the missing partner.



Ten Is the Whole

Ten is the whole.

Two parts in to make the whole.

$$4 + 6 = 10$$



Meet the Partners

$$0 + 10 = 10 \quad 1 + 9 = 10$$

$$2 + 8 = 10 \quad 3 + 7 = 10$$

$$4 + 6 = 10 \quad 5 + 5 = 10$$



Use a Ten-Frame

Count the filled spaces.

Count the empty spaces.

Together they make 10.



Build with Counters

Place the known part.

Fill the remaining spaces.

Record the two parts in an equation.



Spot the Rainbow Pattern

One number increases by 1.

The other number decreases by 1.

The whole stays 10.



Turnaround Facts

The same two parts can change order.

$$3 + 7 = 10$$

$$7 + 3 = 10$$



Find a Missing Part

Ask: How many more to reach 10?

Build the known part, then count the empty spaces.



Draw and Write

Show each part with pictures or a ten-frame.

Then write the matching number sentence.



Tell a Number Story

Six blue counters are on the mat.

Four yellow counters join them.

$$6 + 4 = 10$$



Try Together

$$3 + \underline{\quad} = \underline{\quad} + 6 = 10$$

$$+ \underline{\quad} = 10$$

Blank out the empty spaces, then check.



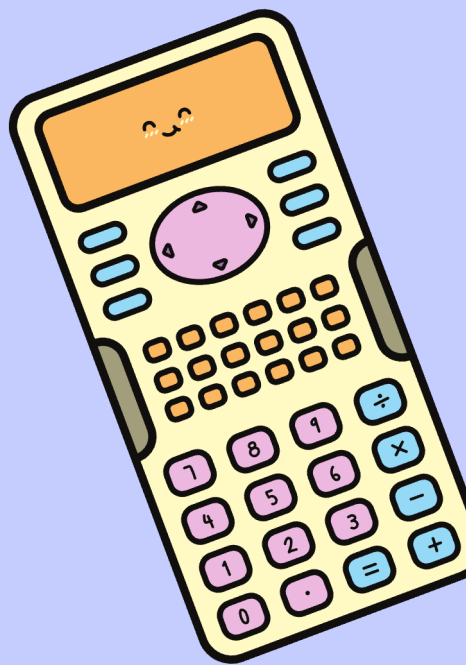
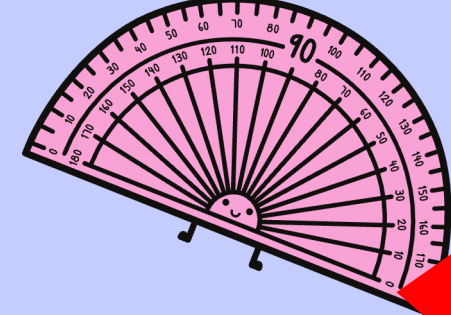
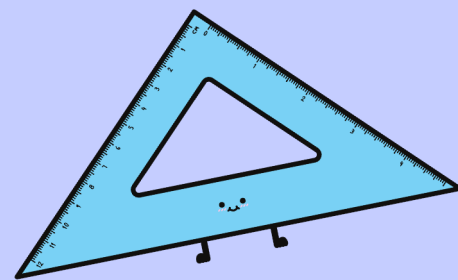
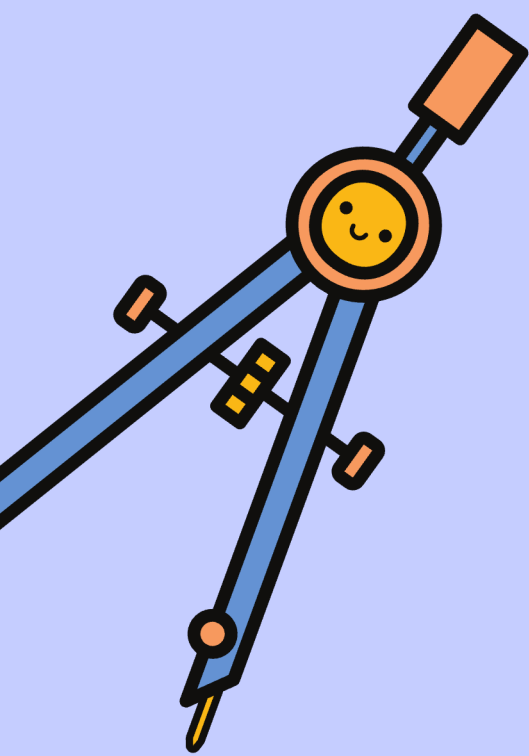
Remember:

Build the known on pairs.

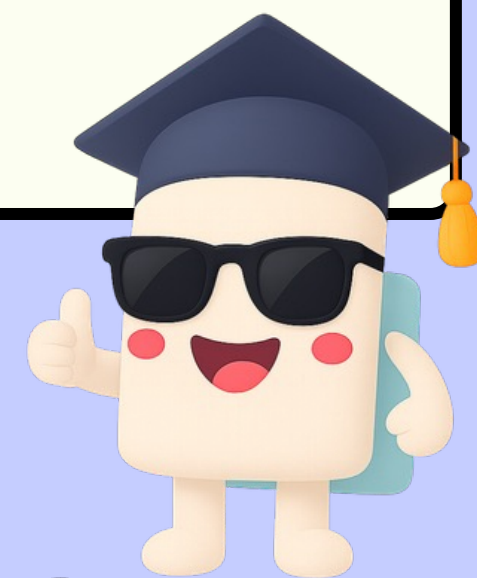
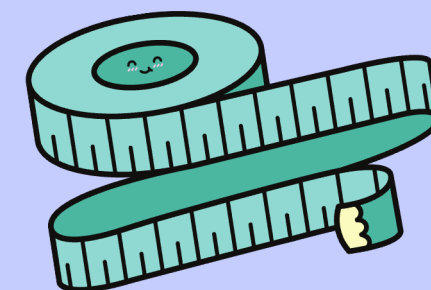
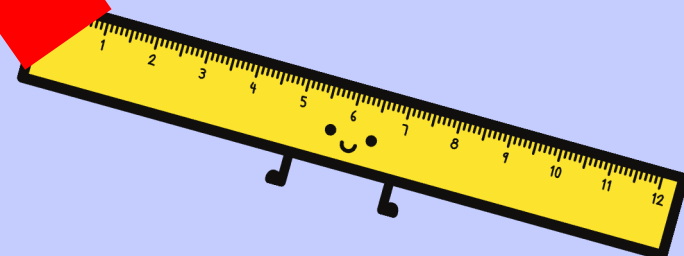
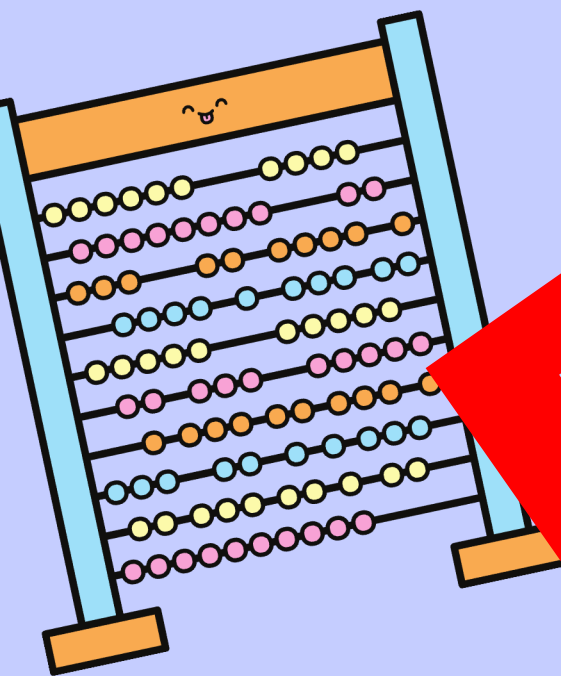
Count the empty spaces.

Write the number that makes 10.





Well Done!



Building to 10 Quiz



Question 1

3 - 10

A. 5 B. 6 C. 7 D. 8



Answer 1

2 7

$$2 \times 7 = 10$$



Question 2

True or false?

$$6 \div 4 = 10$$



Answer 2

True

6 and 4 are partners to 10.



Question 3

She answered

$$8 \text{ --- } = 10$$



Answer ?

$$9 \times 2 = 10$$



Question 11

Which equation equals 10?

A. $1 + 8$

B. $2 + 8$

C. $3 + 6$

D. $4 + 5$



Answer 4

$$2 + 8 = 10$$



Question 5

True or false?

$$5 \times 5 = 10$$



Answer 5

True

There are five equal parts of 10.



Question 6

Complete the turn round fact.

$$10 - 9 = 1 \text{ so } 9 + \underline{\quad} = 10$$



Answer 6

$$10^1 = 10$$



Question 3

A ten-frame shows 7 counters.

How many spaces are empty?

- A. 1 B. 2 C. 3 D. 4



Answer 7

2 3

Number of spaces + empty spaces = 10.



Question 8

She answered

Write two different equations that make 10.



Answer 8

sample answers:

$$4 + 6 = 10$$

$$2 \times 5 = 10$$



Question Nine

Six birds are on a branch.
How many more birds make 10?

A. 2 B. 3 C. 4 D. 5



Answer Nine

3 4

$$6 \times 4 = 10$$



Question 10

True or false?

$$4 \times 5 = 10$$

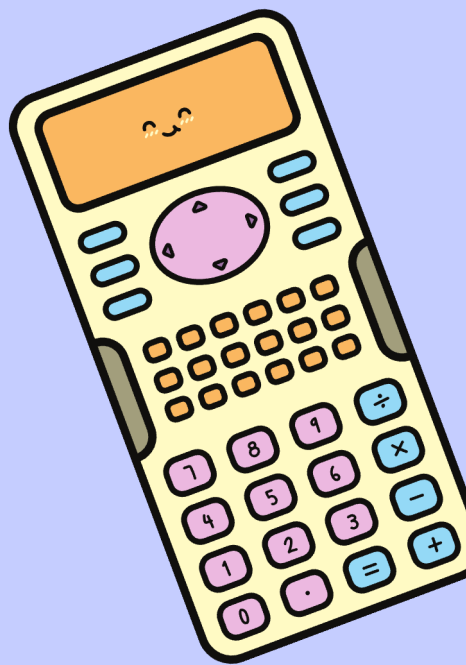
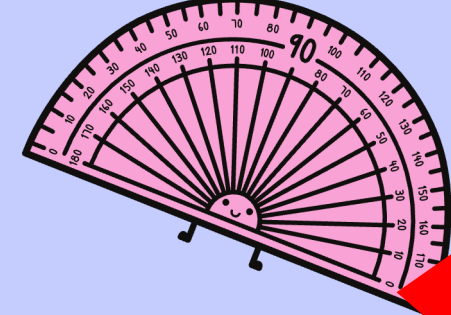
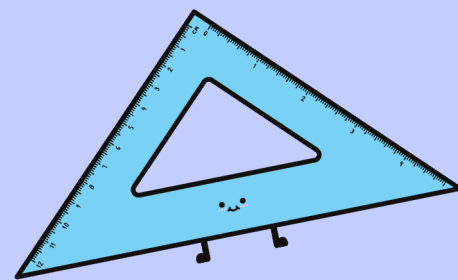
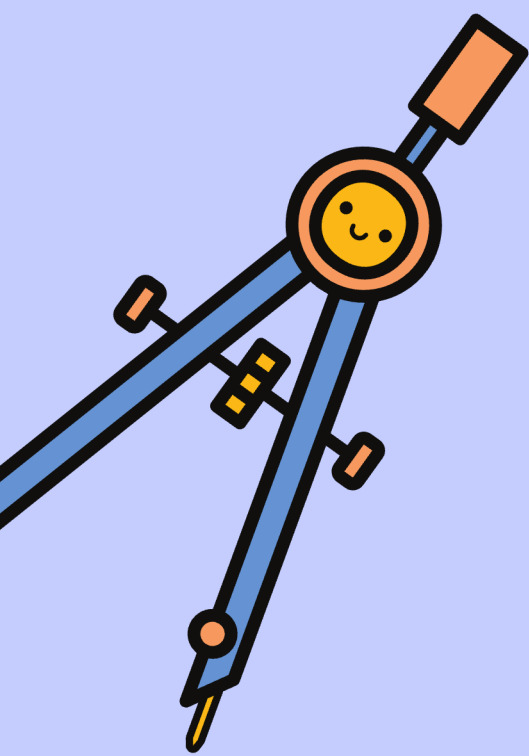


Answer is

false

$$4 + 6 = 10$$





Well Done!

