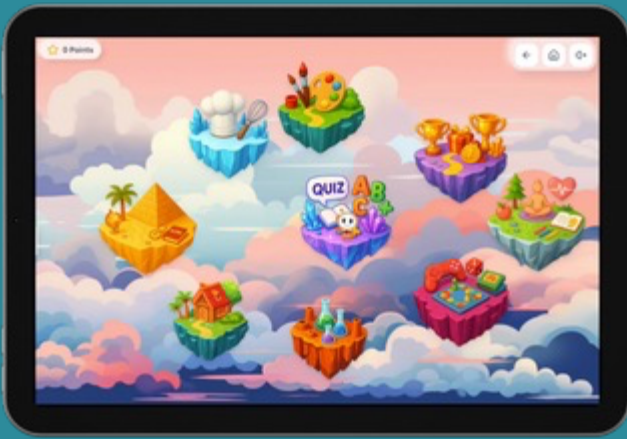


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Doubles Year 2

Table of Contents	
Presentation: Doubles Year 2	
Classroom Display: Doubles Strategy Lab	
Game 1: Double Match Dominoes	
Game 2: Roll, Double and Cover	
Worksheet 1: Mirror the Spots	
Worksheet 2: Doubles Detective	
Worksheet 3: Double Puzzle Pieces	
Worksheet 4: Domino Doubles	
Worksheet 5: Double and Half Machines	
Worksheet 6: Doubles Challenge	
Quiz: Doubles Year 2	
Assessment: Doubles Check-In	
Rubric: Doubles Year 2 Rubric	



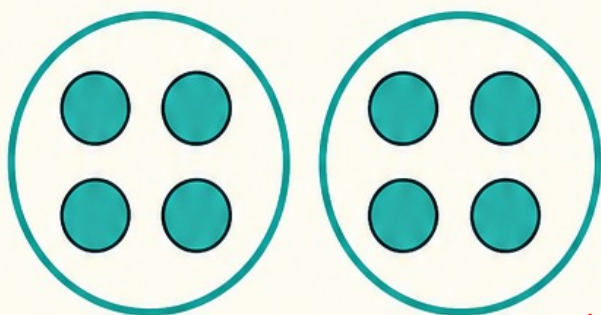


Doubles Strategy Lab



A double is a number added to itself.

Equal groups



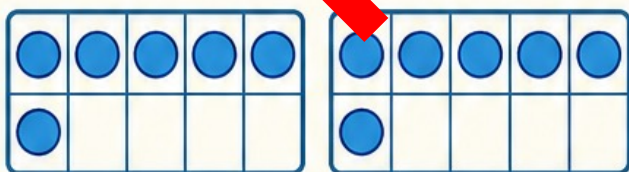
$$4 + 4 = 8$$

Number line



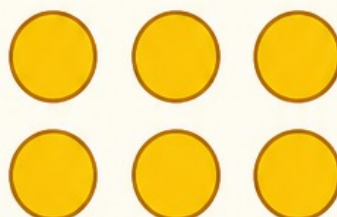
$$5 + 5 = 10$$

Ten frames



$$6 + 6 = 12$$

Array



$$3 + 3 = 6$$
$$2 \times 3 = 6$$



Doubled totals are even.





Double Match Dominoes



1. Cut out the cards.
2. Match each doubles fact to its total.
3. Explain how you know.



$$2 + 2$$



$$5 + 5$$



$$6$$



$$3 + 3$$



$$8 + 8$$



$$16$$



$$8$$



$$10$$



$$6 + 6$$

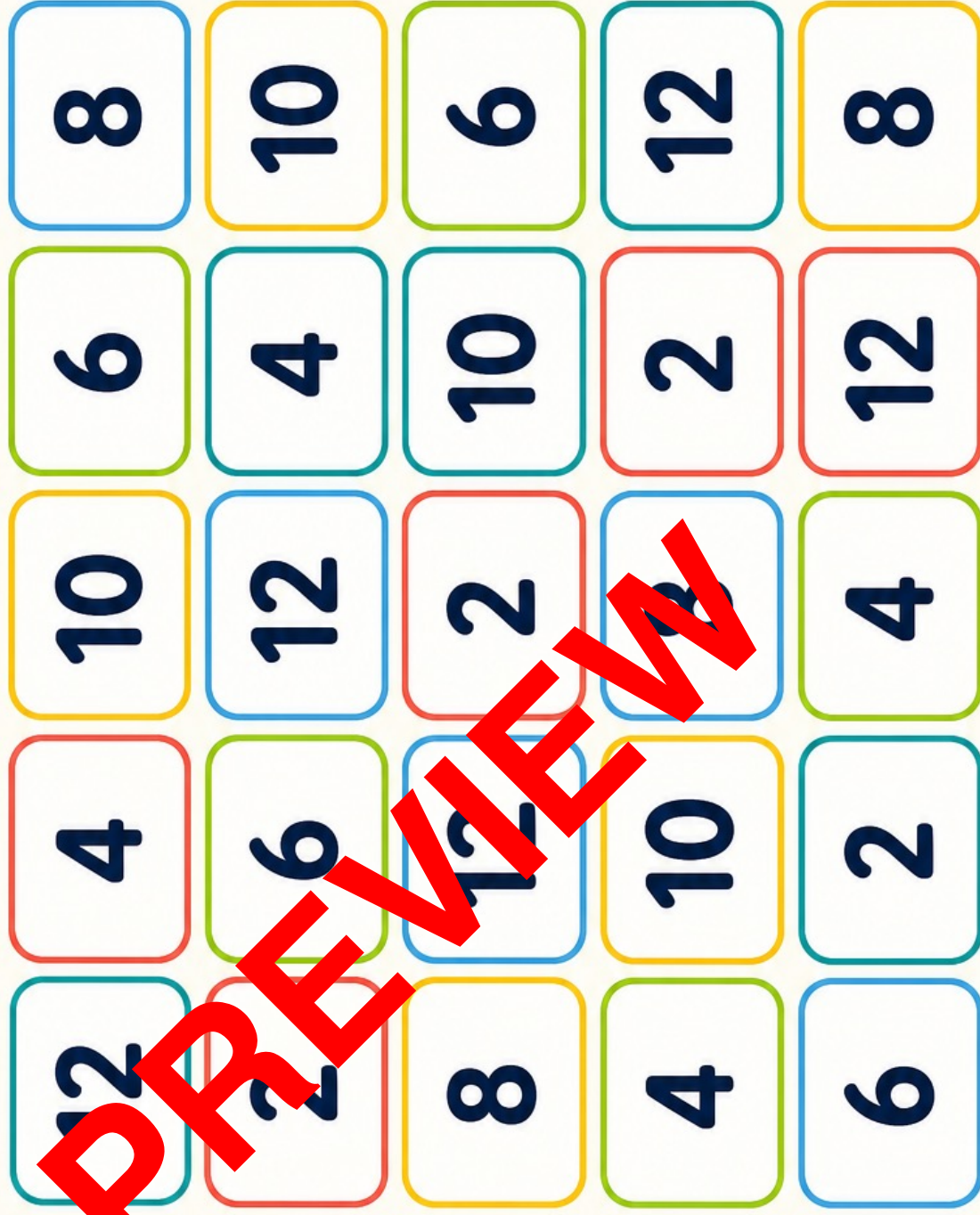


PREVIEW

Roll, Double and Cover

You need: one die and two colours of counters.

1. Roll the die.
2. Double the number.
3. Cover a matching total.
4. First to cover four spaces in a row wins.

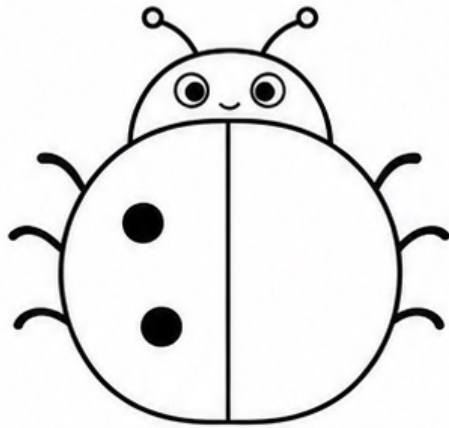


Name: _____

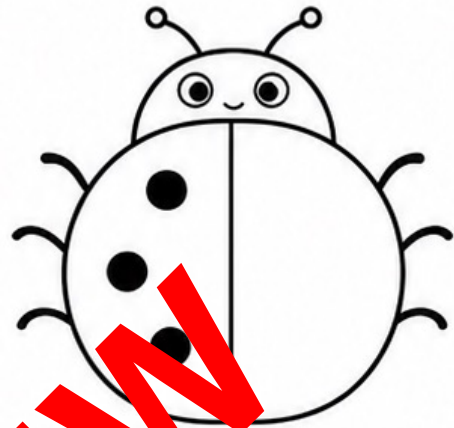
Date: _____

Mirror the Spots

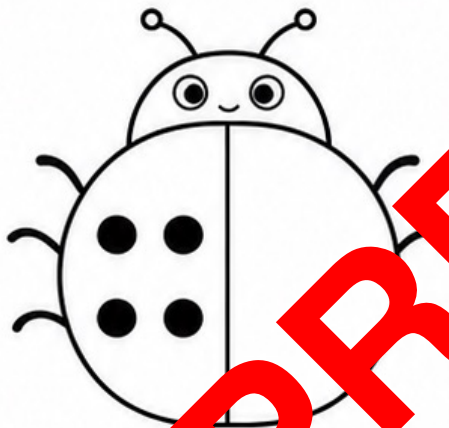
Draw the same number of spots on the empty wing. Then complete each doubles fact.



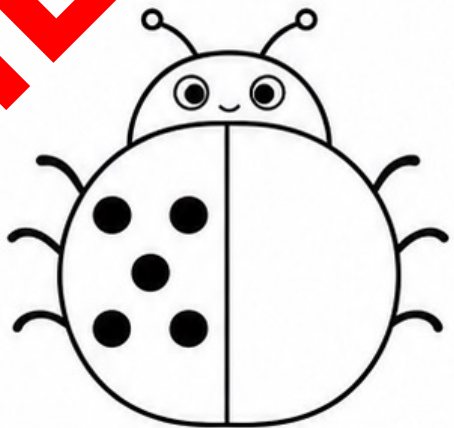
$$2 + 2 = \underline{\quad}$$



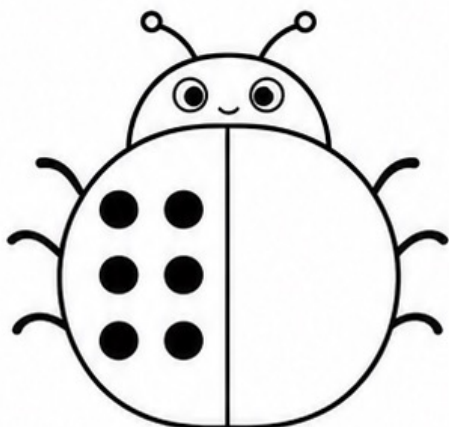
$$3 + 3 = \underline{\quad}$$



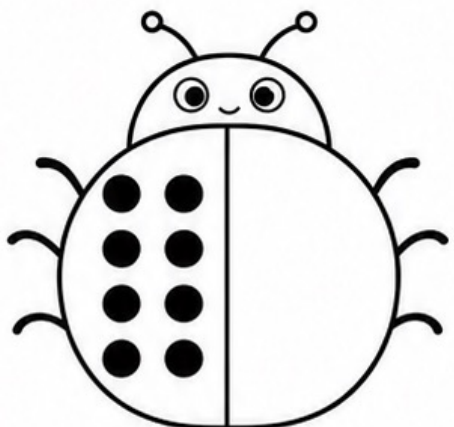
$$4 + 4 = \underline{\quad}$$



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



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



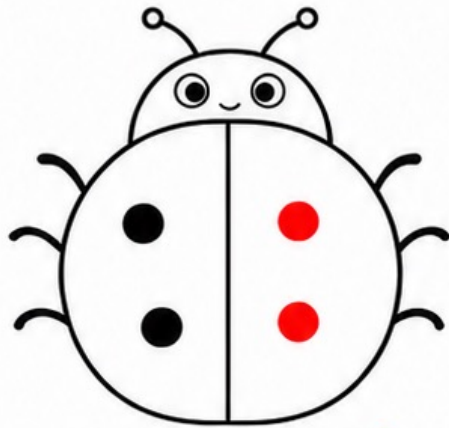
$$8 + 8 = \underline{\quad}$$

Name: **ANSWERS**

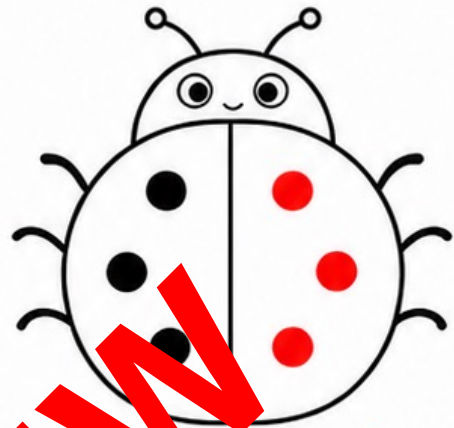
Date: _____

Mirror the Spots

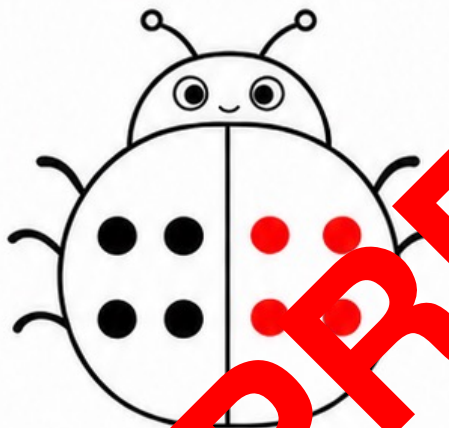
Draw the same number of spots on the empty wing. Then complete each doubles fact.



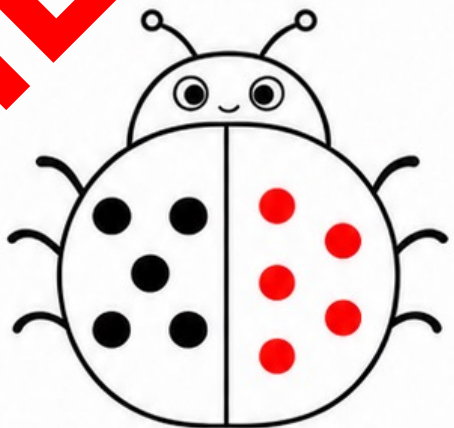
$$2 + 2 = \underline{4}$$



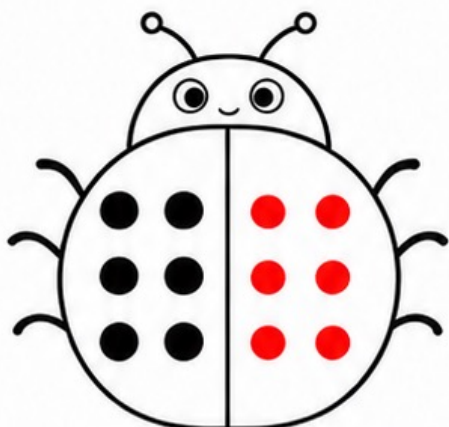
$$3 + 3 = \underline{6}$$



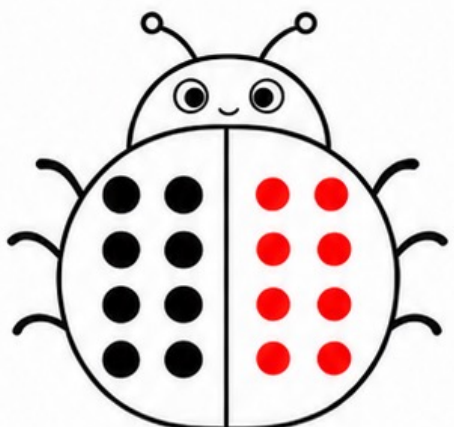
$$4 + 4 = \underline{8}$$



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



$$6 + 6 = \underline{12}$$



$$8 + 8 = \underline{16}$$

Name: _____

Date: _____



Doubles Detective



Circle the true doubles facts. For each false fact, write the correct total on the line.



1. $1 + 1 = 2$

Correct total: _____



2. $2 + 2 = 5$

Correct total: _____



3. $3 + 3 = 6$

Correct total: _____



4. $4 + 4 = 9$

Correct total: _____



5. $5 + 5 = 10$

Correct total: _____



6. $6 + 6 = 11$

Correct total: _____



7. $7 + 7 = 14$

Correct total: _____



8. $8 + 8 = 15$

Correct total: _____



9. $9 + 9 = 18$

Correct total: _____



10. $10 + 10 = 21$

Correct total: _____



11. $11 + 11 = 22$

Correct total: _____



12. $12 + 12 = 23$

Correct total: _____

PREVIEW

Name: ANSWERS

Date: _____



Doubles Detective



Circle the true doubles facts. For each false fact, write the correct total on the line.



1. $1 + 1 = 2$

Correct total: _____



2. $2 + 2 = 5$

Correct total: 4



3. $3 + 3 = 6$

Correct total: _____



4. $4 + 4 = 9$

Correct total: 8



5. $5 + 5 = 10$

Correct total: _____



6. $6 + 6 = 11$

Correct total: 12



7. $7 + 7 = 14$

Correct total: _____



8. $8 + 8 = 15$

Correct total: 16



9. $9 + 9 = 18$

Correct total: _____



10. $10 + 10 = 21$

Correct total: 20



11. $11 + 11 = 22$

Correct total: _____



12. $12 + 12 = 23$

Correct total: 24

PREVIEW



Name: _____

Date: _____



Double Puzzle Pieces

Complete each puzzle. The top is the total. The two bottom parts must be equal.

①

10	
5	

②

3	3

③

14	
	7

④

6	
8	

⑤

9	9

⑥

12	
	6

⑦

20	
10	

⑧

18	
	9

⑨

8	
4	

⑩

24	
12	

PREVIEW

Name: **ANSWERS**

Date: _____



Double Puzzle Pieces

Complete each puzzle. The top is the total. The two bottom parts must be equal.

①

10	
5	5

②

6	
3	3

③

14	
7	7

④

6	
8	8

⑤

18	
9	9

⑥

12	
6	6

⑦

20	
10	10

⑧

18	
9	9

⑨

8	
4	4

⑩

24	
12	12

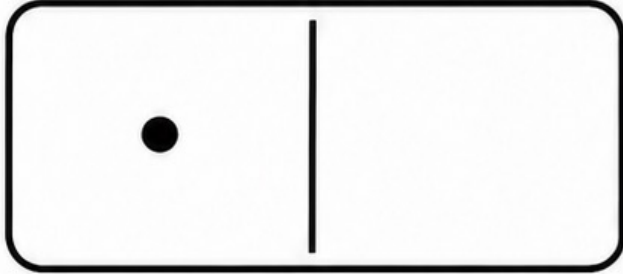
PREVIEW

Name: _____

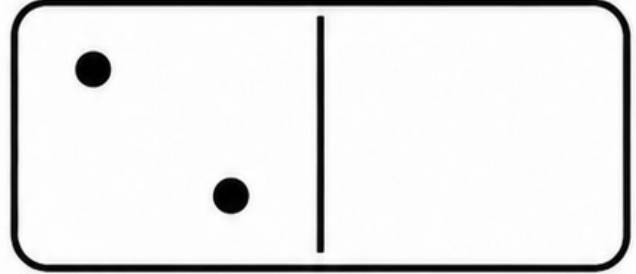
Date: _____

Domino Doubles

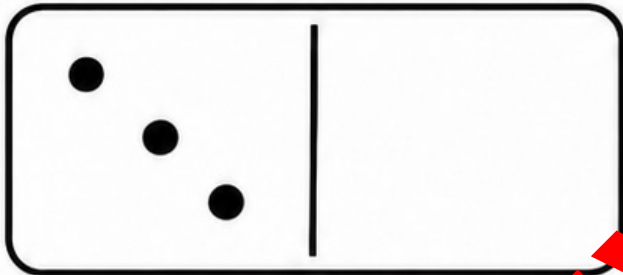
Draw the same number of dots on the empty side. Then complete the equation.



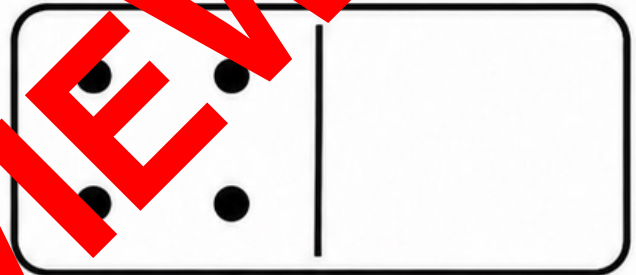
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



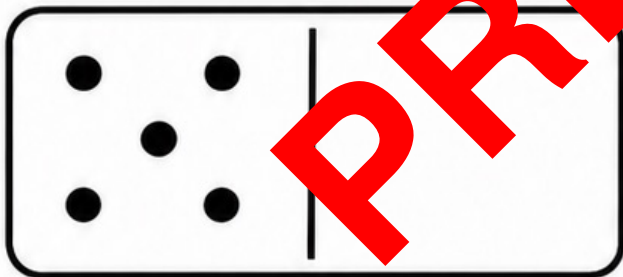
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



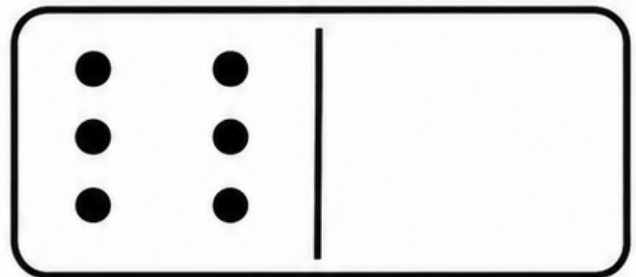
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



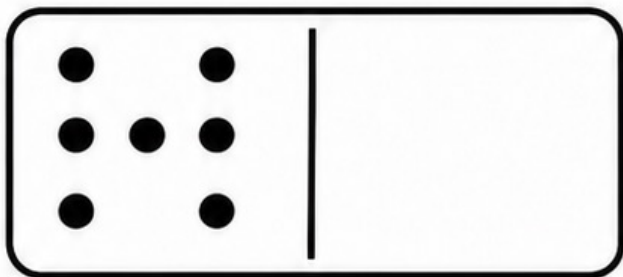
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



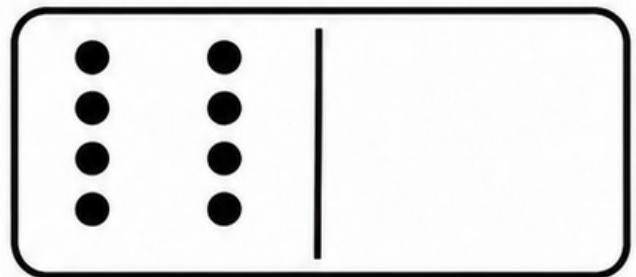
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



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

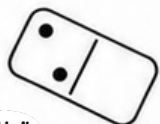


$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



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

PREVIEW

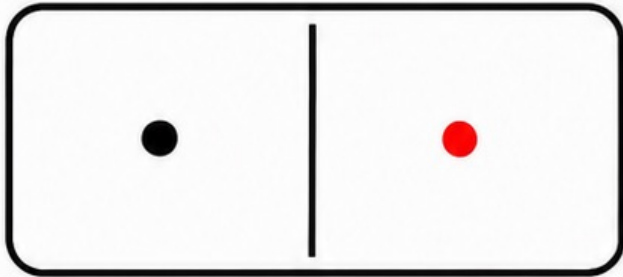


Name: ANSWERS

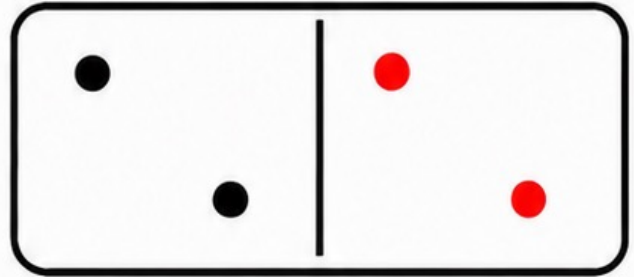
Date: _____

Domino Doubles

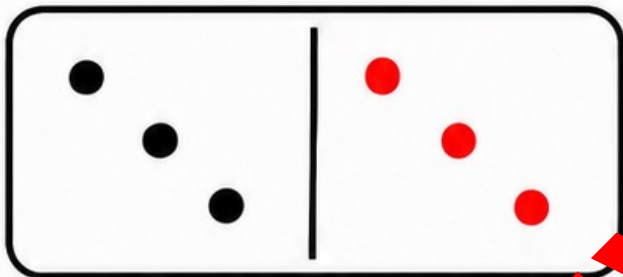
Draw the same number of dots on the empty side. Then complete the equation.



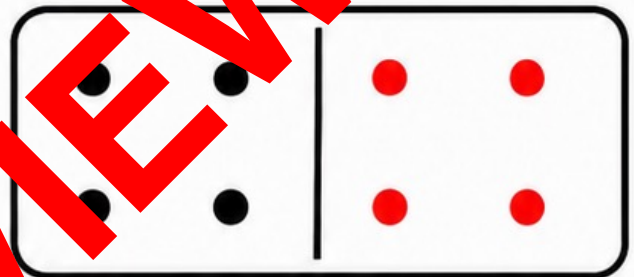
$$\underline{1} + \underline{1} = \underline{2}$$



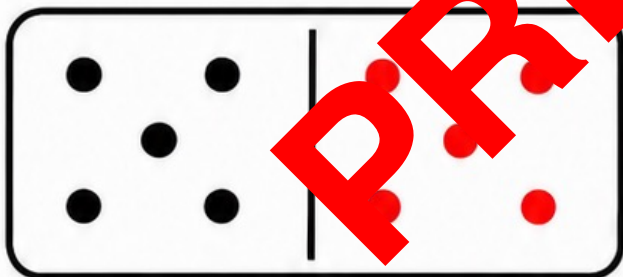
$$\underline{2} + \underline{2} = \underline{4}$$



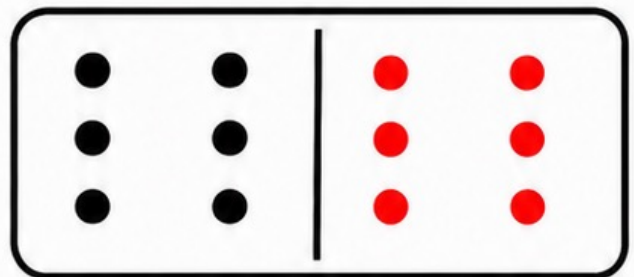
$$\underline{3} + \underline{3} = \underline{6}$$



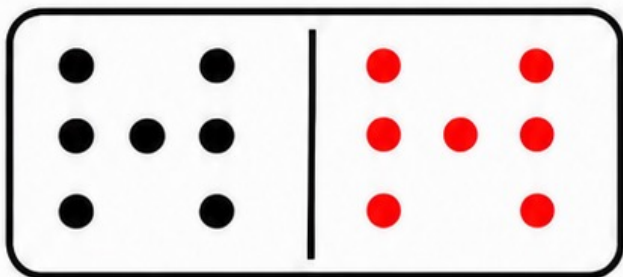
$$\underline{4} + \underline{4} = \underline{8}$$



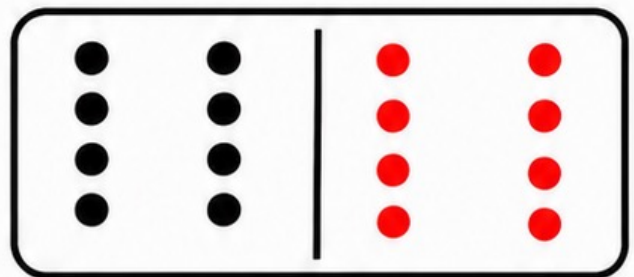
$$\underline{5} + \underline{5} = \underline{10}$$



$$\underline{6} + \underline{6} = \underline{12}$$

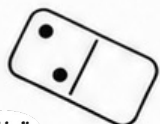


$$\underline{7} + \underline{7} = \underline{14}$$



$$\underline{8} + \underline{8} = \underline{16}$$

PREVIEW



Name: _____

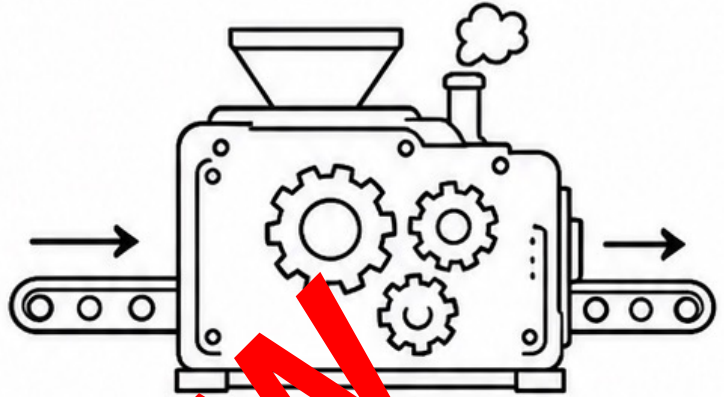
Date: _____

Double and Half Machines

Use each machine rule to complete the output row.

1. Doubling Machine

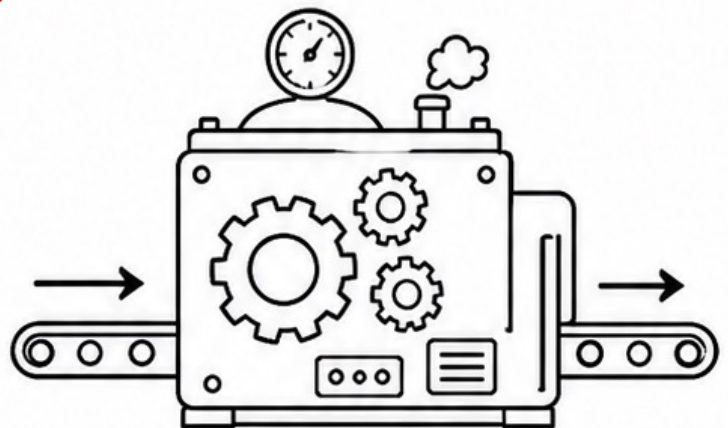
Rule: add the number to itself.



IN	3	4	6	7	8	9	12
OUT							

2. Halving Machine

Rule: split into two equal parts.



IN	4	6	8	10	12	16	18
OUT							

PREVIEW

Name: **ANSWERS**

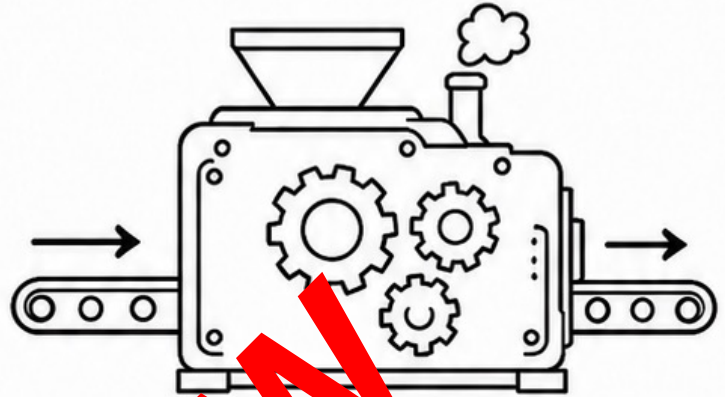
Date: _____

Double and Half Machines

Use each machine rule to complete the output row.

1. Doubling Machine

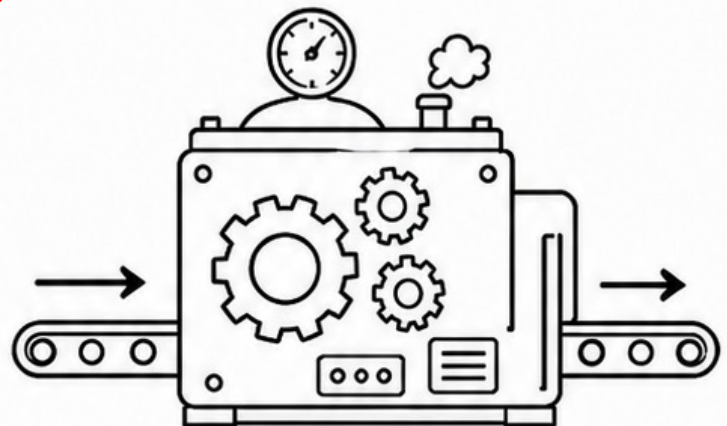
Rule: add the number to itself.



IN	3	4	6	7	8	9	12
OUT	6	8	12	14	16	18	24

2. Halving Machine

Rule: split into two equal parts.



IN	4	6	8	10	12	16	18
OUT	2	3	4	5	6	8	9

Name: _____

Date: _____

Doubles Challenge

Use doubles facts to solve each challenge.

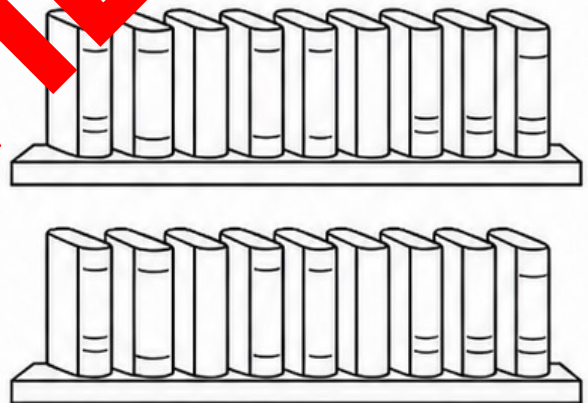
A. Complete the facts

1. $7 + 7 = \underline{\quad}$
2. $\underline{\quad} + 8 = 16$
3. Double 9 = $\underline{\quad}$
4. $10 + 10 = \underline{\quad}$
5. $\underline{\quad} + 6 = 12$
6. Double 12 = $\underline{\quad}$



B. Double the tens

- Double 10 = $\underline{\quad}$
- Double 20 = $\underline{\quad}$
- Double 30 = $\underline{\quad}$
- Double 40 = $\underline{\quad}$



C. Solve the problems

1. Mia plants 6 red flowers and 6 yellow flowers. How many flowers does she plant altogether?

Equation: _____

Answer: _____

2. Two shelves each hold 9 books. How many books are there altogether?

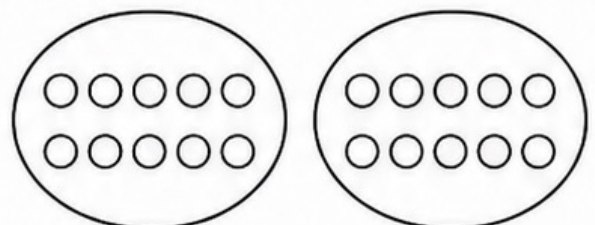
Equation: _____

Answer: _____

3. Twenty counters are shared equally into two groups.
How many counters are in each group?

Equation: _____

Answer: _____



Name: ANSWERS

Date: _____

Doubles Challenge

Use doubles facts to solve each challenge.

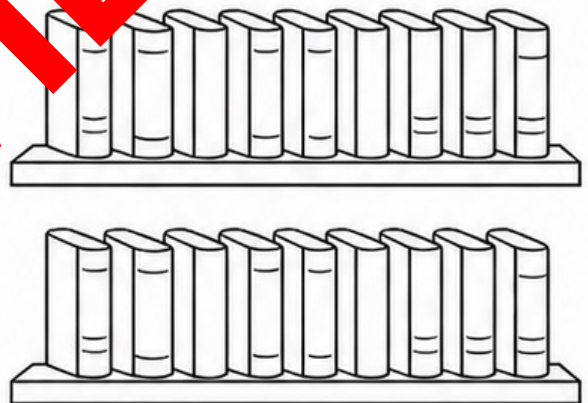
A. Complete the facts

1. $7 + 7 = \underline{14}$
2. $\underline{8} + 8 = 16$
3. Double 9 = 18
4. $10 + 10 = \underline{20}$
5. $\underline{6} + 6 = 12$
6. Double 12 = 24



B. Double the tens

- Double 10 = 20
- Double 20 = 40
- Double 30 = 60
- Double 40 = 80



C. Solve the problems

1. Mia plants 6 red flowers and 6 yellow flowers. How many flowers does she plant altogether?

Equation: $6 + 6 = 12$

Answer: 12 flowers

2. Two shelves each hold 9 books. How many books are there altogether?

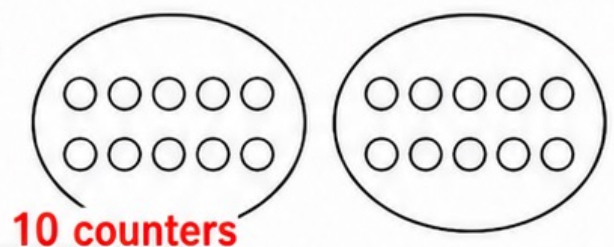
Equation: $9 + 9 = 18$

Answer: 18 books

3. Twenty counters are shared equally into two groups.
How many counters are in each group?

Equation: $20 \div 2 = 10$

Answer:



10 counters

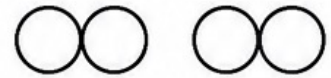
Doubles Check-In: Show and Calculate

Name: _____

Date: _____

Page 1 of 2

A. Complete the doubles facts



1. $4 + 4 = \underline{\quad}$

2. $7 + 7 = \underline{\quad}$

3. $9 + 9 = \underline{\quad}$

4. $12 + 12 = \underline{\quad}$

B. Circle the facts that are correct

$2 + 2 = 4$

$6 + 6 = 11$

$8 + 8 = 16$

$5 + 5 = 12$

C. Show the double

Draw two equal rows of 3 counters. Then write the total.

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

D. Explain your thinking

Why is the total of a doubles fact always even?

Name: _____

Date: _____

Doubles Check-In: Apply and Explain

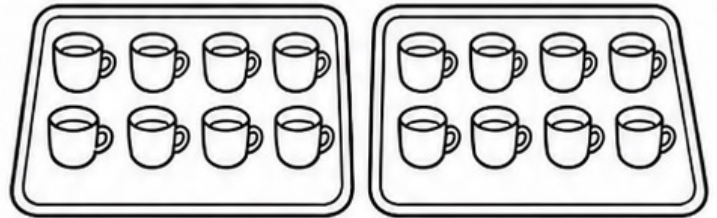
Page 2 of 2

A. Find the missing number

1. _____ + 6 = 12

2. 8 + _____ = 16

3. _____ + 10 = 20



B. Double and halve

1. Double 7 = _____

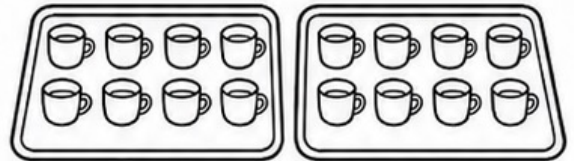
3. Half of 18 = _____

2. Double 20 = _____

4. Half of 24 = _____

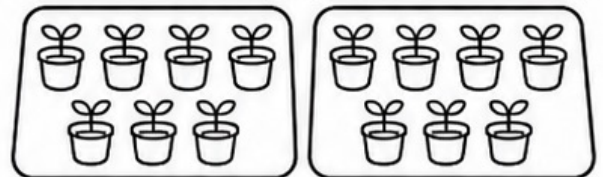
C. Solve the problems

1. A picnic table has 8 cups on each of two trays. How many cups are there altogether?



Equation: _____ Answer: _____

2. Fourteen seedlings are shared equally between two trays. How many seedlings are in each tray?



Equation: _____ Answer: _____

D. Show your strategy

Show how you know that double 6 is 12. Use a picture, number line or equation.

Doubles Check-In: Show and Calculate

Name: ANSWERS

Date: _____

Page 1 of 2

A. Complete the doubles facts



1. $4 + 4 = \underline{8}$

2. $7 + 7 = \underline{14}$

3. $9 + 9 = \underline{18}$

4. $12 + 12 = \underline{24}$

B. Circle the facts that are correct

$2 + 2 = 4$

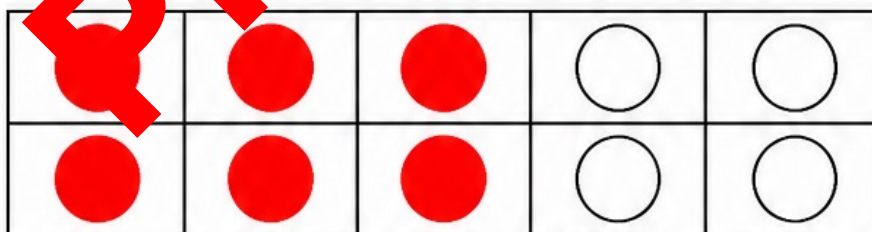
$6 + 6 = 11$

$8 + 8 = 16$

$5 + 5 = 12$

C. Show the double

Draw two equal rows of 3 counters. Then write the total.



$3 + 3 = \underline{6}$

D. Explain your thinking

Why is the total of a doubles fact always even?

A double makes two equal groups.

The total can be split into pairs, so it is even.

Name: ANSWERS

Date: _____

Doubles Check-In: Apply and Explain

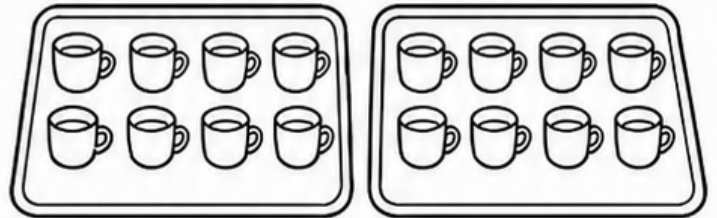
Page 2 of 2

A. Find the missing number

1. 6 + 6 = 12

2. 8 + 8 = 16

3. 10 + 10 = 20



B. Double and halve

1. Double 7 = 14

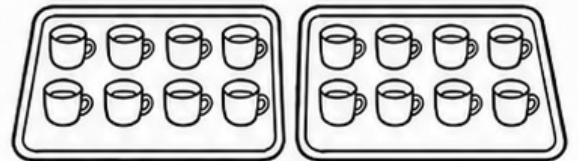
3. Half of 18 = 9

2. Double 20 = 40

4. Half of 24 = 12

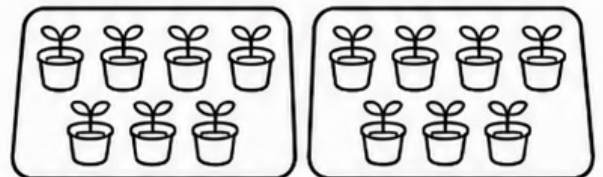
C. Solve the problems

1. A picnic table has 8 cups on each of two trays. How many cups are there altogether?



Equation: 8 + 8 = 16 Answer: 16 cups

2. Fourteen seedlings are shared equally between two trays. How many seedlings are in each tray?



Equation: 14 ÷ 2 = 7 Answer: 7 seedlings

D. Show your strategy

Show how you know that double 6 is 12. Use a picture, number line or equation.



6 + 6 = 12

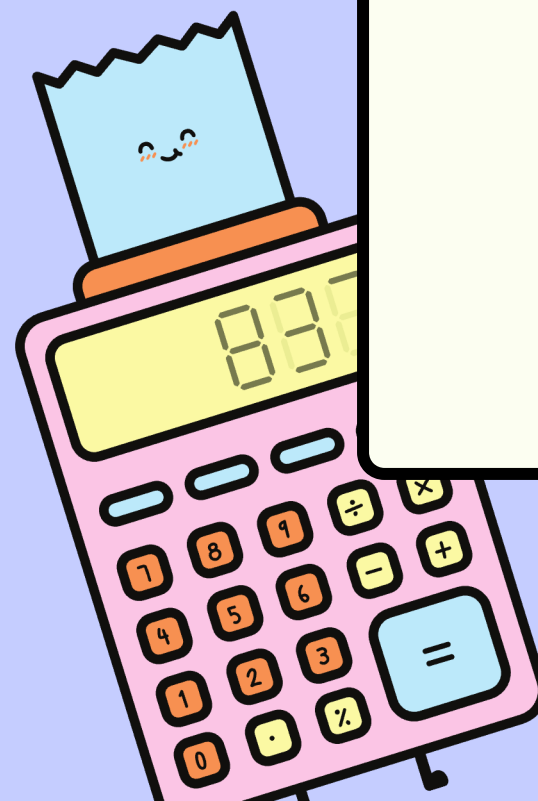
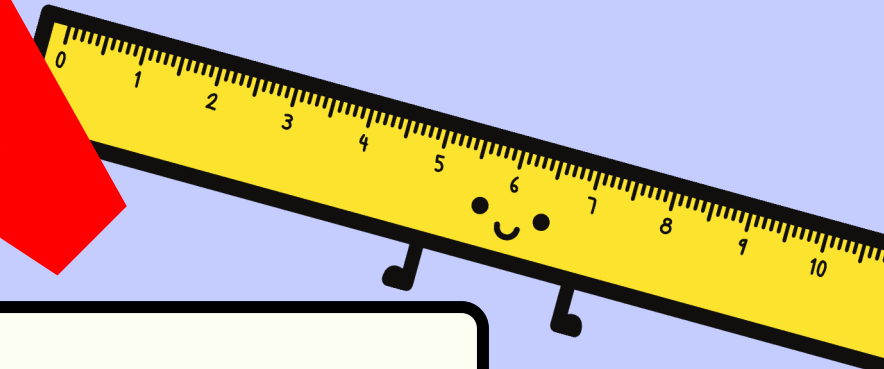
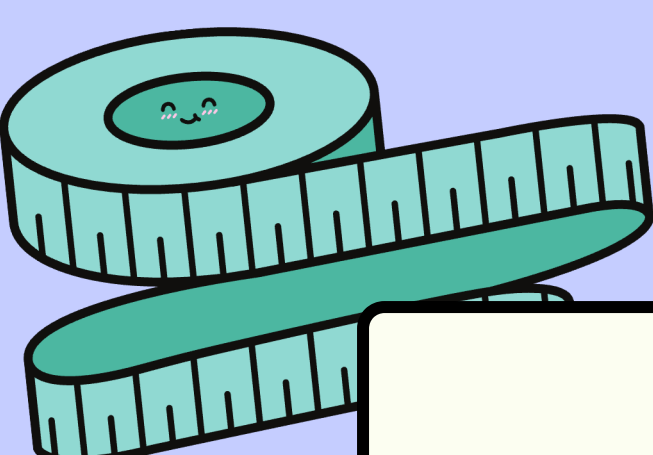
Doubles Year 2 Rubric

Student: _____

Date: _____

Skill	BEGINNING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
Represents doubles	Needs help to make two equal groups.	Makes two equal groups with prompts.	Makes and labels two equal groups.	Shows doubles in more than one way.	Creates and compares accurate representations.
Calculates doubles facts	Needs help to find totals.	Calculates familiar facts with materials.	Calculates doubles to 20 accurately.	Recalls doubles to 24 efficiently.	Uses known doubles for larger facts.
Connects doubles and halves	Needs help to identify a half.	Finds a half with equal-sharing prompts.	Finds halves of even numbers to 24.	Explains how doubles and halves are related.	Uses the inverse relationship flexibly.
Explains and solves	Needs help to choose a strategy.	Uses a strategy with prompts.	Solves and explains a doubles problem.	Chooses and justifies an efficient strategy.	Solves unfamiliar problems and generalises.

Teacher comment: _____



Doubles Year 2

PREVIEW

Doubles Quiz Year 2

