

## Pairs Adding to 5

☐ Write the missing numbers.



$$\boxed{3} + \boxed{2} = 5$$

fingers up    fingers down    altogether



$$\boxed{4} + \boxed{1} = 5$$

fingers up    finger down    altogether



$$\boxed{1} + \boxed{4} = 5$$

finger up    fingers down    altogether



$$\boxed{0} + \boxed{5} = 5$$

fingers up    fingers down    altogether



3  
fingers  
up

+

2  
fingers  
not up

=

5  
altogether

☐ Hold up the correct number of fingers.  
How many are not up?

$$1 + \boxed{4} = 5$$

$$4 + \boxed{1} = 5$$

$$\begin{array}{r} 2 \\ + \boxed{3} \\ \hline 5 \end{array}$$

$$\begin{array}{r} \boxed{4} \\ + 1 \\ \hline 5 \end{array}$$

$$\begin{array}{r} \boxed{2} \\ + 3 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 5 \\ + \boxed{0} \\ \hline 5 \end{array}$$

$$5 - 1 = \boxed{4}$$

$$5 - 2 = \boxed{3}$$

$$\boxed{2} = 5 - 3$$

$$5 - 5 = \boxed{0}$$

# Addition Facts

☐ Add by remembering.

$$2 + 3 = \underline{5}$$

$$1 + 2 = \underline{3}$$

$$4 + 1 = \underline{5}$$

$$2 + 1 = \underline{3}$$

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

$$3 + 2 = \underline{5}$$

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

$$1 + 4 = \underline{5}$$

$$1 + 3 = \underline{4}$$

$$3 + 1 = \underline{4}$$

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

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

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

**Bonus**

$$2 + 1 + 2 = \underline{5}$$

# Subtraction Facts

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☐ Subtract by remembering.

$$3 - 2 = \underline{1}$$

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

$$4 - 1 = \underline{3}$$

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

$$5 - 2 = \underline{3}$$

$$5 - 1 = \underline{4}$$

$$5 - 4 = \underline{1}$$

$$4 - 3 = \underline{1}$$

$$5 - 3 = \underline{2}$$

$$3 - 1 = \underline{2}$$

$$2 - 2 = \underline{0}$$

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

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

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

# Using 5 to Add

☐ Circle the two numbers that make 5.

(2) (3) 4

(1) 3 (4)

1 (2) (3)

(1) 2 (4)

(4) (1) 3

(3) 4 (2)

☐ Circle the two numbers that make 5.

☐ Write the number that is left over.

(2) + (3) + 4 = 5 + 4

(4) + (1) + 3 = 5 + 3

3 + (1) + (4) = 5 + 3

(0) + 3 + (5) = 5 + 3

4 + (3) + (2) = 5 + 4

☐ Circle the two numbers that make 5.

☐ Use 5 to add.

$$\textcircled{4} + \textcircled{1} + 3$$

$$= 5 + \boxed{3}$$

$$= \boxed{8}$$

$$\textcircled{2} + \textcircled{3} + 4$$

$$= 5 + \boxed{4}$$

$$= \boxed{9}$$

$$3 + \textcircled{1} + \textcircled{4}$$

$$= 5 + \boxed{3}$$

$$= \boxed{8}$$

$$\textcircled{3} + 4 + \textcircled{2}$$

$$= 5 + \boxed{4}$$

$$= \boxed{9}$$

$$\textcircled{2} + 4 + \textcircled{3}$$

$$= 5 + \boxed{4}$$

$$= \boxed{9}$$

$$\textcircled{3} + 1 + \textcircled{2}$$

$$= 5 + \boxed{1}$$

$$= \boxed{6}$$

$$1 + \textcircled{2} + \textcircled{3}$$

$$= 5 + \boxed{1}$$

$$= \boxed{6}$$

$$2 + \textcircled{1} + \textcircled{4}$$

$$= 5 + \boxed{2}$$

$$= \boxed{7}$$

$$\textcircled{4} + 3 + \textcircled{1}$$

$$= 5 + \boxed{3}$$

$$= \boxed{8}$$

$$4 + \textcircled{3} + \textcircled{2} = \boxed{9}$$

$$\textcircled{4} + 2 + \textcircled{1} = \boxed{7}$$

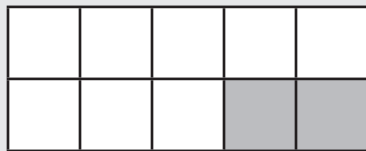
$$\textcircled{3} + \textcircled{2} + 1 = \boxed{6}$$

$$3 + \textcircled{4} + \textcircled{1} = \boxed{8}$$

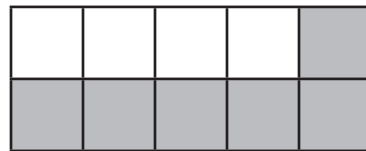
# Pairs Adding to 10

How many are unshaded? How many are shaded?

☐ Fill in the addition sentence.



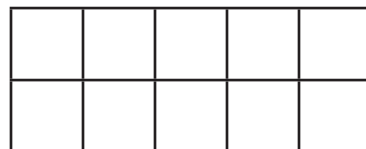
$$\underline{8} + \underline{2} = 10$$



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



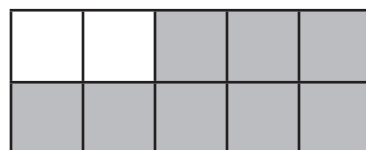
$$\underline{9} + \underline{1} = 10$$



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



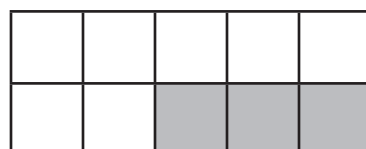
$$\underline{3} + \underline{7} = 10$$



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



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



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



$$\begin{array}{ccccccc} 7 & + & 3 & = & 10 \\ \text{up} & & \text{not up} & & \text{altogether} \end{array}$$

☐ Hold up the correct number of fingers.  
How many are not up?

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

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

$$\begin{array}{r} 8 \\ + \boxed{2} \\ \hline 10 \end{array}$$

$$\begin{array}{r} 3 \\ + \boxed{7} \\ \hline 10 \end{array}$$

$$\begin{array}{r} \boxed{1} \\ + 9 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 10 \\ + \boxed{0} \\ \hline 10 \end{array}$$

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

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

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

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



# Using 10 to Add

☐ Circle the two numbers that make 10.

4 5 6

3 7 9

1 8 9

4 5 5

2 3 8

3 6 4

☐ Circle the two numbers that make 10.

☐ Write the number that is left over.

8 + 2 + 5 = 10 + 5

4 + 6 + 3 = 10 + 3

2 + 9 + 1 = 10 + 2

6 + 7 + 4 = 10 + 7

4 + 3 + 7 = 10 + 4

☐ Circle the two numbers that make 10.

☐ Use 10 to add.

$$\begin{aligned} & \textcircled{8} + 3 + \textcircled{2} \\ &= 10 + \boxed{3} \\ &= \boxed{13} \end{aligned}$$

$$\begin{aligned} & 2 + \textcircled{7} + \textcircled{3} \\ &= 10 + \boxed{2} \\ &= \boxed{12} \end{aligned}$$

$$\begin{aligned} & \textcircled{1} + 8 + \textcircled{9} \\ &= 10 + \boxed{8} \\ &= \boxed{18} \end{aligned}$$

$$\begin{aligned} & \textcircled{3} + \textcircled{7} + 4 \\ &= 10 + \boxed{4} \\ &= \boxed{14} \end{aligned}$$

$$\begin{aligned} & \textcircled{4} + 5 + \textcircled{6} \\ &= 10 + \boxed{5} \\ &= \boxed{15} \end{aligned}$$

$$\begin{aligned} & \textcircled{5} + \textcircled{5} + 6 \\ &= 10 + \boxed{6} \\ &= \boxed{16} \end{aligned}$$

$$\begin{aligned} & \textcircled{9} + 2 + \textcircled{1} \\ &= 10 + \boxed{2} \\ &= \boxed{12} \end{aligned}$$

$$\begin{aligned} & 3 + \textcircled{2} + \textcircled{8} \\ &= 10 + \boxed{3} \\ &= \boxed{13} \end{aligned}$$

$$\begin{aligned} & 4 + \textcircled{5} + \textcircled{5} \\ &= 10 + \boxed{4} \\ &= \boxed{14} \end{aligned}$$

$$\begin{aligned} & \textcircled{8} + 4 + \textcircled{2} \\ &= 10 + \boxed{4} \\ &= \boxed{14} \end{aligned}$$

$$\begin{aligned} & \textcircled{7} + \textcircled{3} + 9 \\ &= 10 + \boxed{9} \\ &= \boxed{19} \end{aligned}$$

$$\begin{aligned} & \textcircled{6} + \textcircled{4} + 8 \\ &= 10 + \boxed{8} \\ &= \boxed{18} \end{aligned}$$

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# Making 10 to Add

☐ Use the group of 10 to help you add.

7                      5

$7 + 5 = 10 + \underline{2} = \underline{12}$

8                      6

$8 + 6 = 10 + \underline{4} = \underline{14}$

9                      7

$9 + 7 = 10 + \underline{6} = \underline{16}$

8                      8

$8 + 8 = 10 + \underline{6} = \underline{16}$

7                      6

$7 + 6 = 10 + \underline{3} = \underline{13}$

4                      8

$4 + 8 = 10 + \underline{2} = \underline{12}$

Yu groups 10 in two ways. Are the answers the same?

3                      9

$3 + 9 = 10 + \underline{2} = \underline{12}$

3                      9

$3 + 9 = 10 + \underline{2} = \underline{12}$

- ☐ Circle a group of 10.
- ☐ Use 10 to add.

4                      7

$4 + 7 = 10 + \underline{1} = \underline{11}$

Sample answer

8                      6

$8 + 6 = 10 + \underline{4} = \underline{14}$

Sample answer

9                      4

$9 + 4 = 10 + \underline{3} = \underline{13}$

Sample answer

9                      2

$9 + 2 = 10 + \underline{1} = \underline{11}$

Sample answer

7                      7

$7 + 7 = 10 + \underline{4} = \underline{14}$

Sample answer  
Draw the dots.

6                      9

$6 + 9 = 10 + \underline{5} = \underline{15}$


# Patterns in Adding

☐ Colour the correct number of hearts.

☐ Finish the addition sentence.


$$0 + \boxed{4} = 4$$

coloured   not coloured



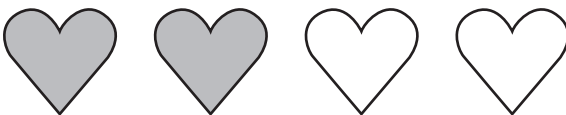
$$1 + \boxed{3} = 4$$

coloured   not coloured



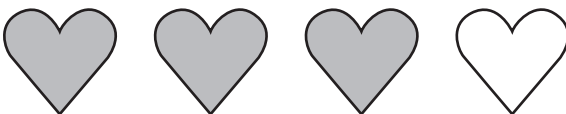
$$2 + \boxed{2} = 4$$

coloured   not coloured



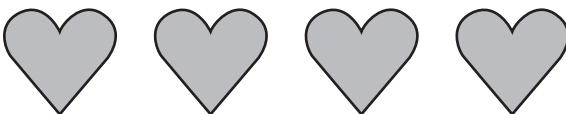
$$3 + \boxed{1} = 4$$

coloured   not coloured



$$4 + \boxed{0} = 4$$

coloured   not coloured



As the number of  goes up by 1,  
the number of  goes down by 1.

☐ Complete the addition sentence.



$$\boxed{0} + \boxed{5} = \boxed{5}$$



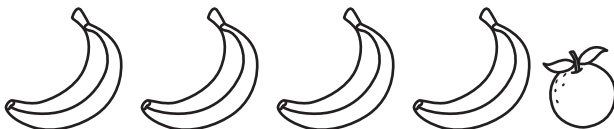
$$\boxed{1} + \boxed{4} = \boxed{5}$$



$$\boxed{2} + \boxed{3} = \boxed{5}$$



$$\boxed{3} + \boxed{2} = \boxed{5}$$



$$\boxed{4} + \boxed{1} = \boxed{5}$$



$$\boxed{5} + \boxed{0} = \boxed{5}$$

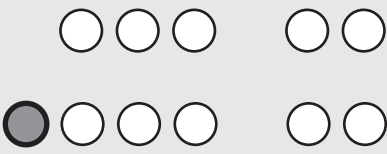
Which number is the same every time? 5

As the 1st number goes up by 1,  
the 2nd number goes down by 1.

# One More, One Less

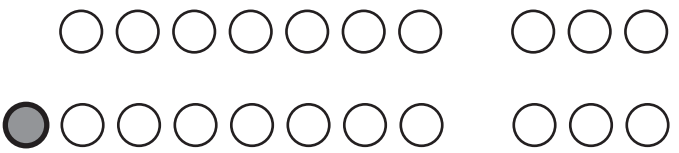
$$3 + 2 = 5$$

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



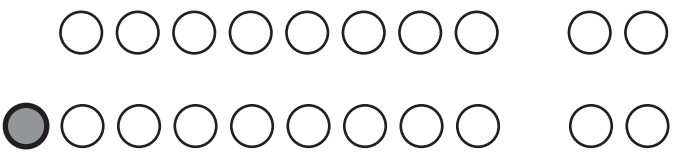
$$7 + 3 = 10$$

so  $8 + 3 = \underline{11}$



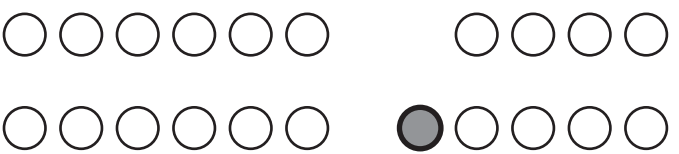
$$8 + 2 = 10$$

so  $9 + 2 = \underline{11}$



$$6 + 4 = 10$$

so  $6 + 5 = \underline{11}$



$$4 + 1 = 5$$

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

$$6 + 4 = 10$$

so  $7 + 4 = \underline{11}$

$$5 + 6 = \underline{11}$$

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

$$7 + 3 = 10$$



so  $7 + 2 = \underline{9}$



$$3 + 2 = 5$$



so  $3 + 1 = \underline{4}$



$$6 + 4 = 10$$



so  $5 + 4 = \underline{9}$



$$4 + 1 = 5$$



so  $4 + 0 = \underline{4}$



$$5 + 5 = 10$$

so  $4 + 5 = \underline{9}$

$$2 + 3 = 5$$

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

$$4 + 1 = 5$$

so  $3 + 1 = \underline{4}$

$$5 + 5 = 10$$

so  $5 + 4 = \underline{9}$



$$6 + 4 = 10$$



so  $6 + 3 = \underline{9}$



$$6 + 4 = 10$$



so  $5 + 4 = \underline{9}$



$$7 + 3 = 10$$



so  $7 + 4 = \underline{11}$



$$7 + 3 = 10$$

so  $7 + 2 = \underline{9}$

$$7 + 3 = 10$$

so  $6 + 3 = \underline{9}$

$$5 + 5 = 10$$

so  $5 + 6 = \underline{11}$

$$5 + 5 = 10$$

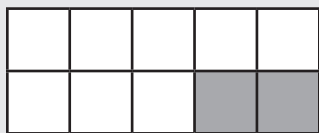
so  $4 + 5 = \underline{9}$

$$8 + 3 = \underline{11}$$

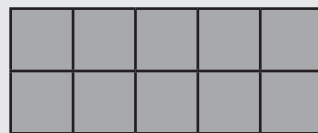
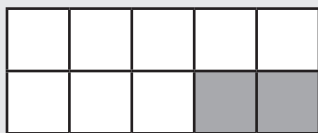
$$2 + 9 = \underline{11}$$

# Pairs Adding to 20

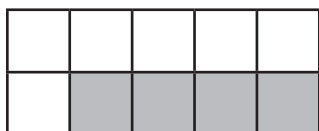
☐ Complete the addition sentences.



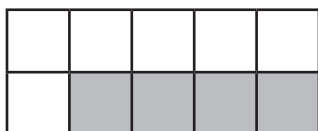
$$8 + \underline{2} = 10 \quad \text{so}$$



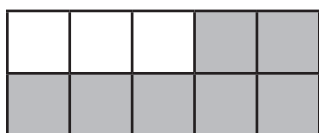
$$8 + \underline{12} = 20$$



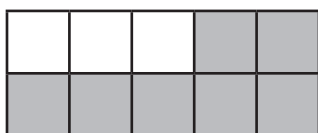
$$6 + \underline{4} = 10 \quad \text{so}$$



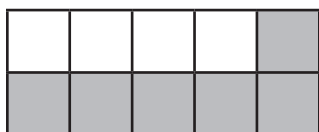
$$6 + \underline{14} = 20$$



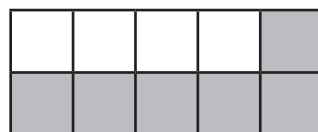
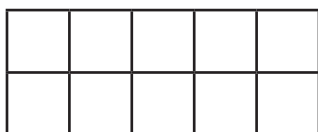
$$3 + \underline{7} = 10 \quad \text{so}$$



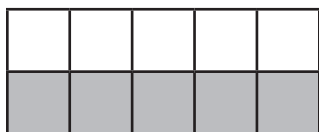
$$3 + \underline{17} = 20$$



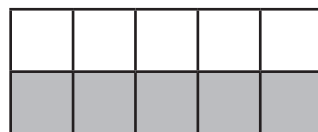
$$4 + \underline{6} = 10 \quad \text{so}$$



$$14 + \underline{6} = 20$$



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



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

☐ Complete the addition sentences.

$$7 + \underline{3} = 10$$
$$\text{so } 7 + \underline{13} = 20$$

$$9 + \underline{1} = 10$$
$$\text{so } 19 + \underline{1} = 20$$

$$5 + \underline{5} = 10$$
$$\text{so } 5 + \underline{15} = 20$$

$$2 + \underline{8} = 10$$
$$\text{so } 12 + \underline{8} = 20$$

$$4 + \underline{6} = 10$$
$$\text{so } 14 + \underline{6} = 20$$

$$6 + \underline{4} = 10$$
$$\text{so } 6 + \underline{14} = 20$$

$$6 + \underline{4} = 10$$
$$\text{so } 16 + \underline{4} = 20$$

$$3 + \underline{7} = 10$$
$$\text{so } 13 + \underline{7} = 20$$

☐ Complete the addition sentence.

$$9 + \underline{11} = 20$$

$$8 + \underline{12} = 20$$

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

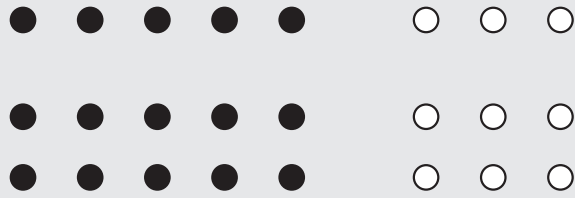
$$1 + \underline{19} = 20$$

# Doubles within 20

8 is  $5 + 3$

so the double of 8

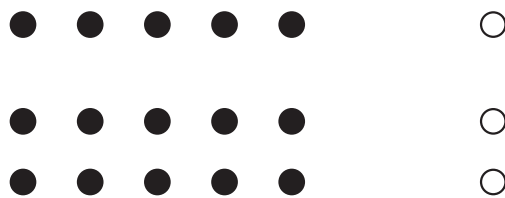
is  $10 + \underline{6} = \underline{16}$



6 is  $5 + 1$

so the double of 6

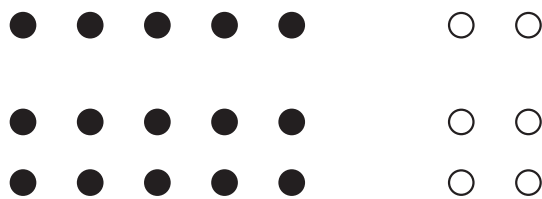
is  $10 + \underline{2} = \underline{12}$



7 is  $5 + 2$

so the double of 7

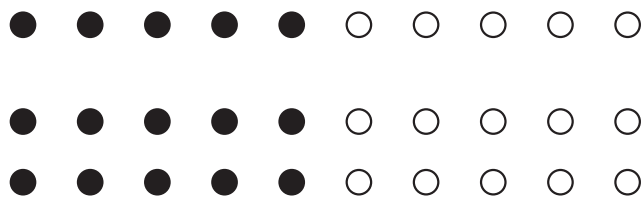
is  $10 + \underline{4} = \underline{14}$



10 is  $5 + 5$

so the double of 10

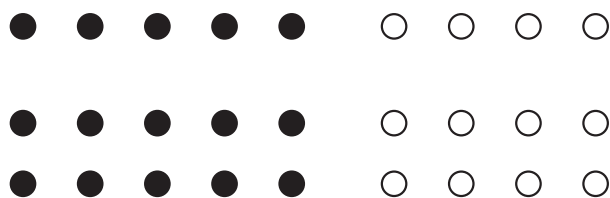
is  $10 + \underline{10} = \underline{20}$



9 is  $5 + 4$

so the double of 9

is  $10 + \underline{8} = \underline{18}$



☐ Move up a row to fill in the blank.

1	2	3	4	5
6	7	8	9	10

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

$$7 = 5 + \underline{2}$$

$$9 = 5 + \underline{4}$$

$$6 = 5 + \underline{1}$$

☐ Double the number using 5 and 10.

$$9 = 5 + \underline{4}$$

so the double of 9

$$\text{is } 10 + \underline{8} = \underline{18}$$

$$7 = 5 + \underline{2}$$

so the double of 7

$$\text{is } 10 + \underline{4} = \underline{14}$$

$$6 = 5 + \underline{1}$$

so the double of 6

$$\text{is } 10 + \underline{2} = \underline{12}$$

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

so the double of 8

$$\text{is } 10 + \underline{6} = \underline{16}$$

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

so the double of 10

$$\text{is } 10 + \underline{10} = \underline{20}$$

$$11 = 5 + \underline{6}$$

so the double of 11

$$\text{is } 10 + \underline{12} = \underline{22}$$

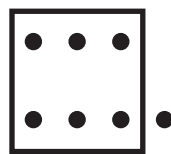
# Using Doubles to Add

☐ Double and then add 1.



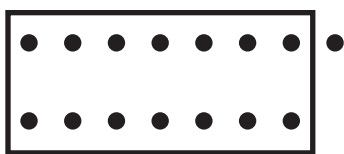
$$\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$$

$$4 + 4 + 1 = \boxed{9}$$



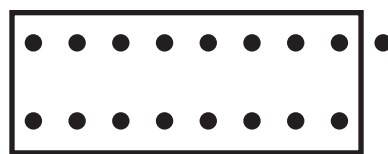
$$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$$

$$3 + 3 + 1 = \boxed{7}$$



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

$$7 + 7 + 1 = \boxed{15}$$



$$\begin{array}{r} 9 \\ + 8 \\ \hline \end{array}$$

$$8 + 8 + 1 = \boxed{17}$$

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

$$\text{so } 6 + 7 = \underline{13}$$

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

$$\text{so } 6 + 5 = \underline{11}$$

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

$$\text{so } 7 + 8 = \underline{15}$$

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

$$\text{so } 5 + 4 = \underline{9}$$

$$7 + 6 = \underline{13}$$

$$8 + 9 = \underline{17}$$

$$5 + 6 = \underline{11}$$

$$10 + 9 = \underline{19}$$

☐ Solve the problem.

Rani has 8 stickers. Matt has double that number.  
How many stickers does Matt have?

$$8 + 8 = 16$$

Amir is 6 years old. Nina is double Amir's age.  
How old is Nina?

$$6 + 6 = 12$$

Kim is 5 years old. Glen is double as old as Kim.  
Sindi is one year younger than Glen. How old  
is Sindi?

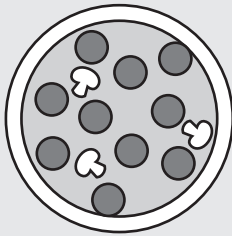
$$5 + 5 - 1 = 9$$

Alex picks 9 strawberries. Jin picks double that.  
Sally picks one more than Jin. How many does  
Sally pick?

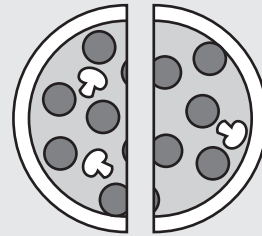
$$9 + 9 + 1 = 19$$

# Halves and Quarters

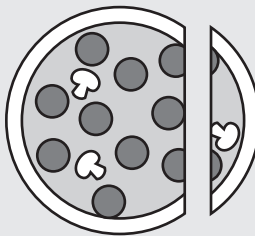
a whole pizza



a pizza cut in half

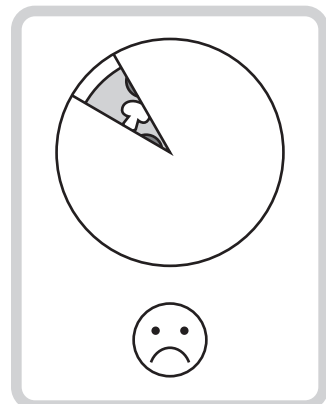
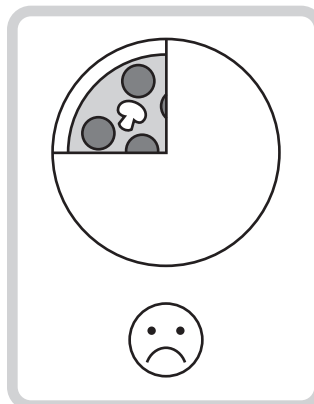
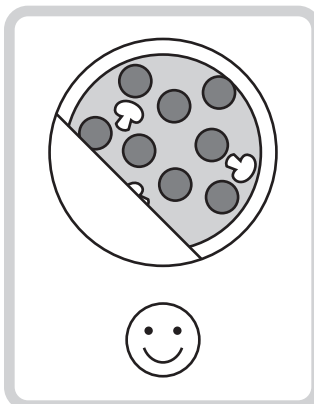
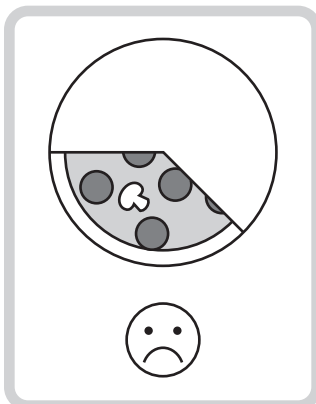
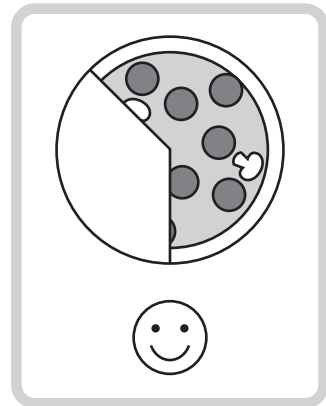
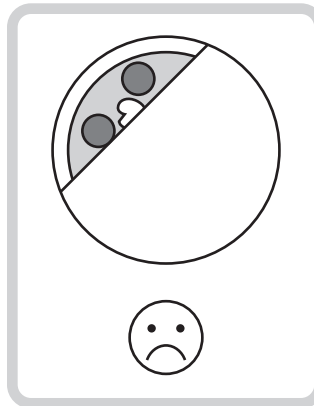
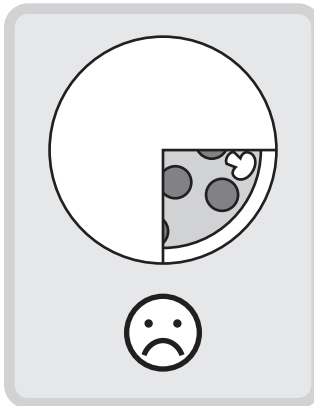
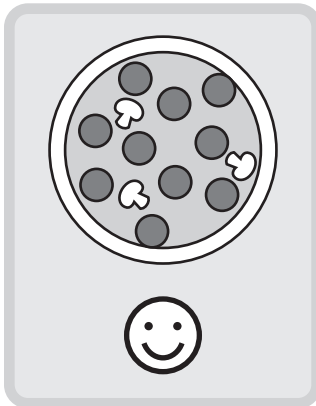


more than half →



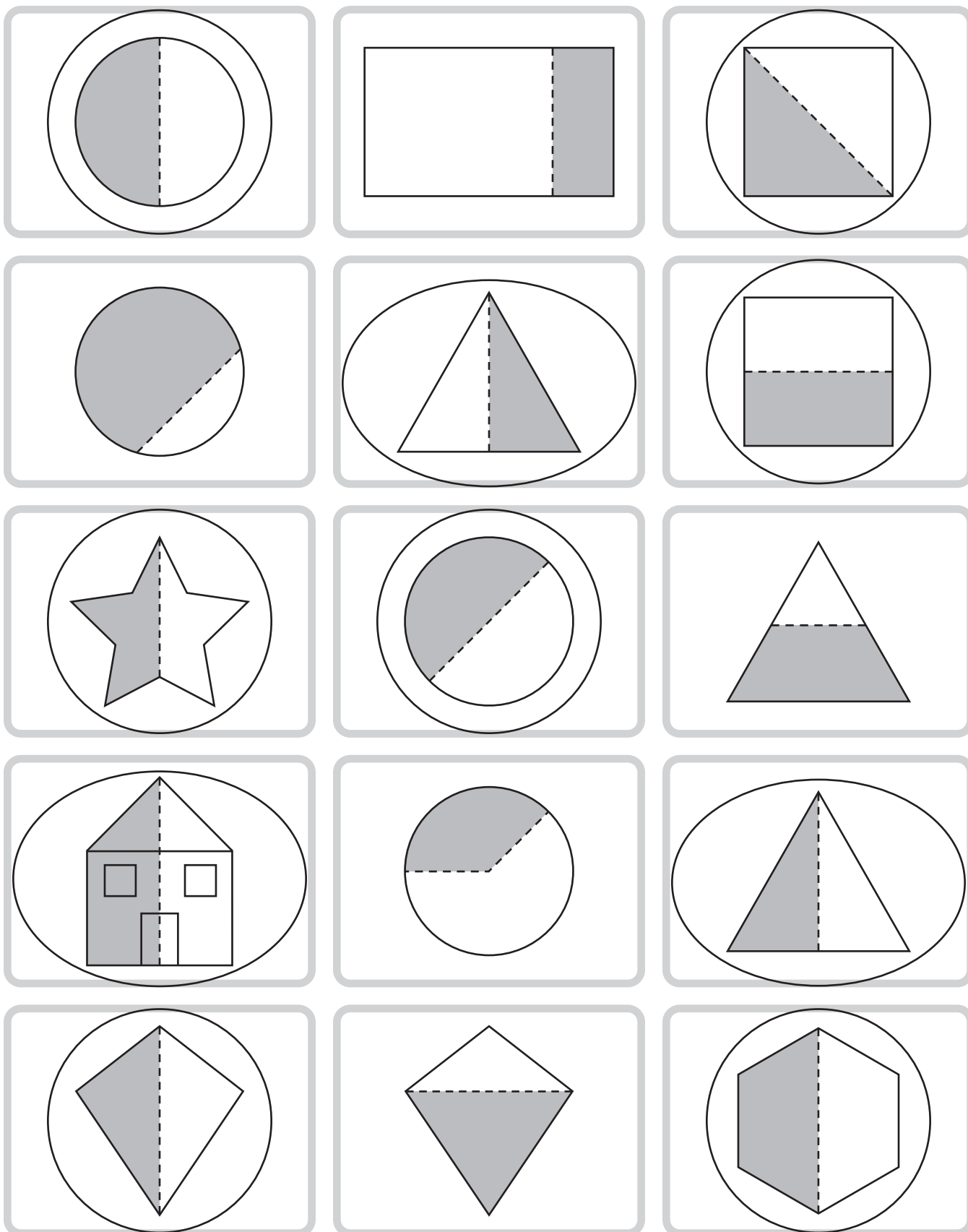
← less than half

- ☐ Write 😊 if the pizza part is **more** than half.
- ☐ Write ☹️ if the pizza part is **less** than half.

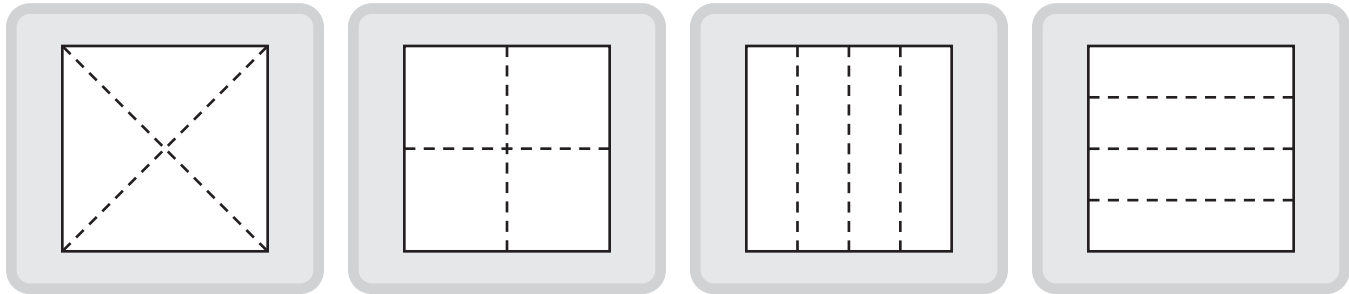




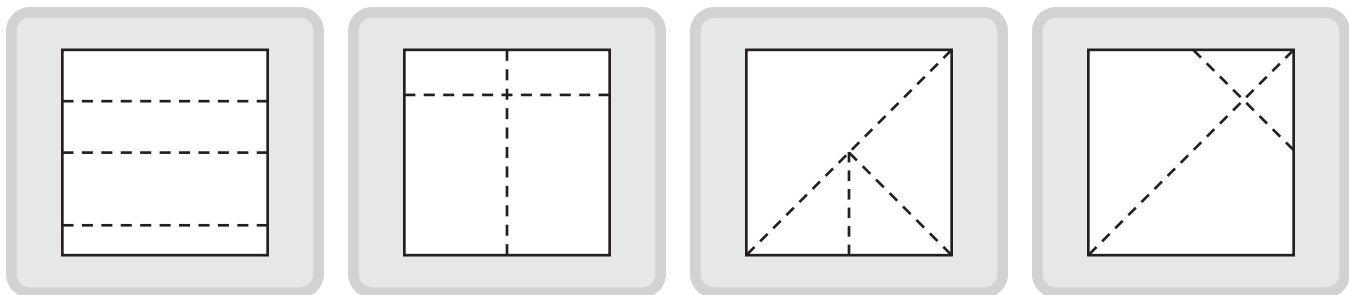
☐ Circle the pictures that show a half.



Here are 4 ways to fold a square into **quarters**.



These are **not** quarters.



☐ Circle the pictures that show a quarter.

