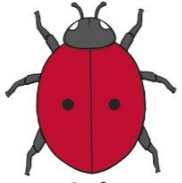
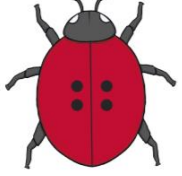


## Doubles

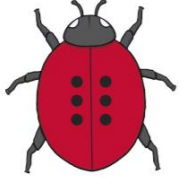
Challenge 1: Write the number sentence for each ladybird double.



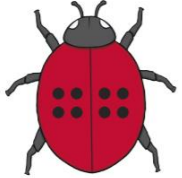
$1 + 1 = \underline{\quad}$



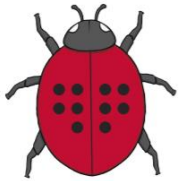
$2 + 2 = \underline{\quad}$



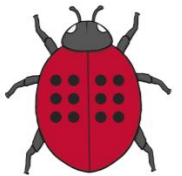
$3 + 3 = \underline{\quad}$



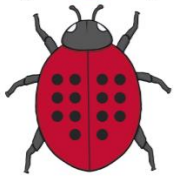
$4 + 4 = \underline{\quad}$



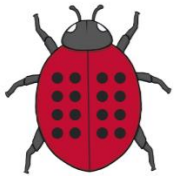
$5 + 5 = \underline{\quad}$



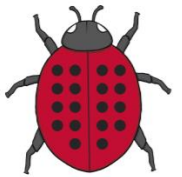
$6 + 6 = \underline{\quad}$



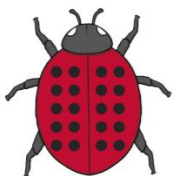
$7 + 7 = \underline{\quad}$



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



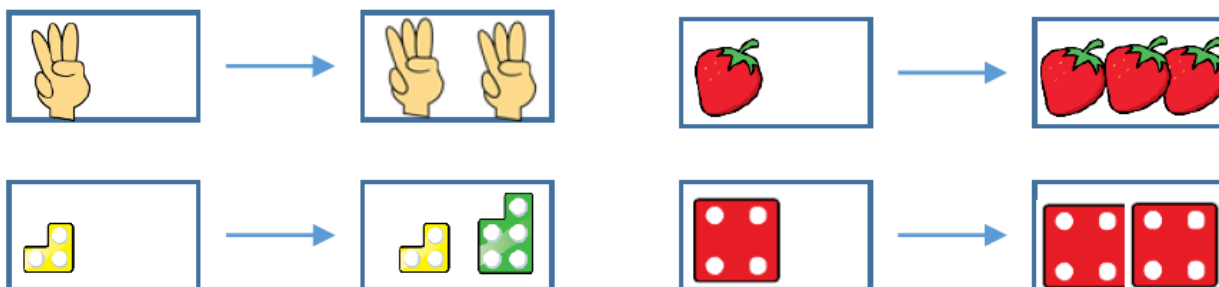
$9 + 9 = \underline{\quad}$



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

## Challenge 2

1. Circle the representations which have been doubled:



How do you know they've been doubled?

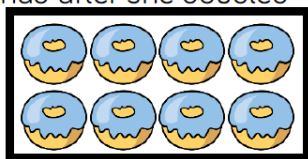
2. Complete and continue the table.

Build	Represent	Add	Double
		$1 + 1 = 2$	Double 1 is 2
		$2 + 2 = \underline{\quad}$	Double 2 is $\underline{\quad}$
		$3 + 3 = \underline{\quad}$	Double 3 is $\underline{\quad}$
		$\underline{\quad} + \underline{\quad} = \underline{\quad}$	Double 4 is $\underline{\quad}$

3. If double 2 is 4. What is double 20?

### Challenge 3

1. Louise doubles her donuts. The picture shows what she had after she doubled her donuts.



Whitney



Louise started with 4 and ended with 8 donuts.

Eva



Louise started with 8 and ended with 16 donuts.

Mo



Louise started with 2 and ended with 4 donuts.

Who do you agree with? Explain why.

2. Complete the table by doubling each number.

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

What patterns do you notice?

# Answers

Challenge 1: Write the number sentence for each ladybird double.



$1+1=$



$6+6=$



$2+2=$



$7+7=$



$3+3=$



$8+8=$



$4+4=$



$9+9=$



$5+5=$



$10+10=$

$1+1=2$

$2+2=4$

$3+3=6$

$4+4=8$

$5+5=10$

$6+6=12$

$7+7=14$

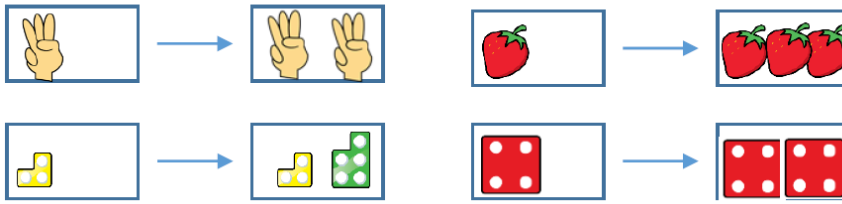
$8+8=16$

$9+9=18$

$10+10=20$

## Challenge 2

1. Circle the representations which have been doubled:


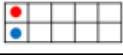


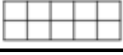
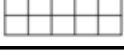


Circle the hands and dice.

How do you know they've been doubled?

Two equal groups of a number or amount.

2. Complete and continue the table.

Build	Represent	Add	Double
		$1 + 1 = 2$	Double 1 is 2
		$2 + 2 = \underline{\quad}$	Double 2 is $\underline{\quad}$
		$3 + 3 = \underline{\quad}$	Double 3 is $\underline{\quad}$
		$\underline{\quad} + \underline{\quad} = \underline{\quad}$	Double 4 is $\underline{\quad}$

$2+2 = 4$  Double 2 is 4

$3+3 = 6$  Double 3 is 6

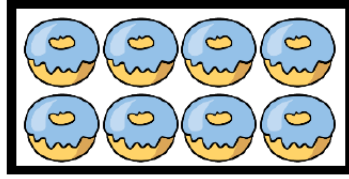
$4+4 = 8$  Double 4 is 8

3. If double 2 is 4. What is double 20?

Double 20 is 40

### Challenge 3

1. Louise doubles her donuts. The picture shows what she had after she doubled her donuts.



Whitney



Louise started with 4 and ended with 8 donuts.

Eva



Louise started with 8 and ended with 16 donuts.

Mo



Louise started with 2 and ended with 4 donuts.

Who do you agree with? Explain why.

Possible answer:  
Whitney is correct because the image shows what she was left with. She had 8 after she doubled and double 4 is 8

2.

Complete the table by doubling each number.

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

What patterns do you notice?

Possible answer:

1	2
2	4
3	6
4	8
5	10
6	12
7	14
8	16
9	18
10	20

The doubles increase by 2 each time.

The doubles are all even.

The doubles end in 2,4,6,8 or 0