

Lesson 49 • Doubles

Learning objectives

Children will:

- understand that a double is a number added to itself.
- count and add to make doubles.
- use the addition equation to show doubles.

Australian Curriculum Content Descriptions

Number and Algebra

Number and place value

ACMNA004 represent practical situations to model addition and sharing; use a range of practical strategies for adding small groups of numbers, such as visual displays or concrete materials

ACMNA002 connect number names, numerals and quantities, including zero, initially up to 10 and then beyond; understand that each object must be counted only once, that the arrangement of objects does not affect how many there are, and that the last number counted answers the 'how many' question

ACMNA003 subitise small collections of objects; use subitising as the basis for ordering and comparing collections of numbers

ACMNA289 compare, order and make correspondences between collections, initially to 20, and explain reasoning

Key vocabulary

double, doubling, doubles, doubled, numerals 1–10, +, =, how many, same, number words one to twelve and twenty, o'clock, sum, more, match

Extra assistance

The doubles to 10 facts are a base which will build into using the doubles and near-doubles addition strategy. It is important for students to understand the concept of doubling. Make a chart of doubles facts as a visual aid. For example: Double 1, have a pair of shoes, $1 + 1 = 2$. Double 2 could use an image of an animal with front and back pairs of legs highlighted. For double 3, use a bug with 2 sets of 3 legs. Double 4 could be a spider with 8 legs and double 5 can use two hands.

Classroom activities

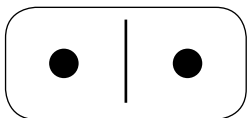
Collage

Provide students with a piece of paper that has the word *doubles* at the top. Have students find pictures of 1, 2, 3, 4 or 5 items to cut out of magazines and glue on in pairs to make doubles. They could also draw items or gather natural materials such as twigs and leaves to tape on. Have them write the equation next to or underneath each double, eg $1 + 1 = 2$.

Ten Frames

Give each pair of students a laminated board with 10 squares on it, a number card 1–5 and 10 counters. Ask one person to turn over the number card and count that many counters onto the ten frame. The other person must say what double that number will be, then count out that many counters again and see if they are right. Swap roles turn by turn.

Mathseeds Lesson sequence	TEACH Content and skills	PRACTISE Children will:	APPLY
<i>Animated Lesson:</i> Recognise and count	Introduce the concept of doubles – add a number to itself to find the double.	double a number of spots. Identify the double number.	Worksheet 1 Counting doubles
<i>Count:</i> Double Bugs, Rabbits	Counting skills: understand that two identical groups make a double. Use one-to-one correspondence to find the difference.	find the identical group and the double number. Find the difference between two groups of items.	Worksheet 2 Doubling
<i>Adding:</i> Dominoes, Four in a Row, Adventure Sums, Add and Mix	Understand that two identical groups are added together to find a double. Identify the missing number or answer for an addition sum. Make two groups and find the total.	count the two groups and fill in the equation. Match each number to a sum. Choose the missing number to complete the number sentence. Count out the groups and fill in the equation.	Worksheet 3 Adding doubles
<i>Match:</i> O'clock Clocks, Animal Legs, Buses	Tell time on the hour with an analogue clock. Count out the appropriate number of legs. Identify the word <i>twenty</i> .	move the small hand on the clock to show the hour. Give each animal the right number of legs. Select the word <i>twenty</i> from amongst other words.	Worksheet 4 Check
<i>Read:</i> Book	Read aloud book.	listen, follow the reading and read along.	Mathseeds book 49: Doubles



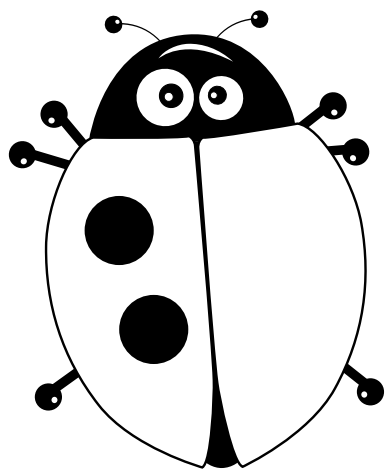
Doubles

Lesson 49 • Worksheet 1

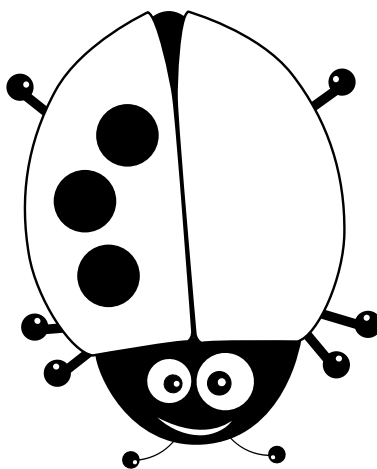
Counting doubles

Name _____

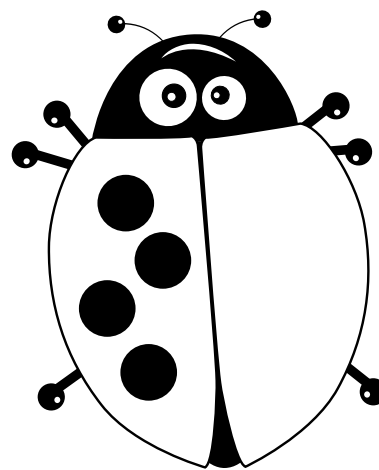
1 Draw matching spots. Write the answers.



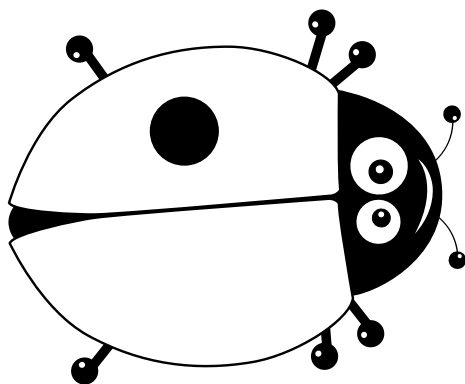
Double 2 is



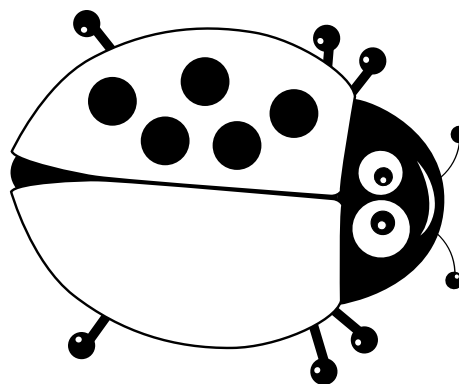
Double 3 is



Double 4 is

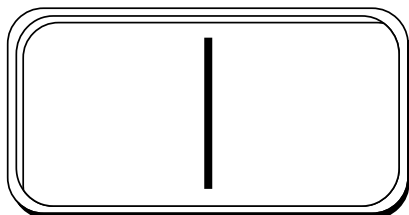


Double 1 is

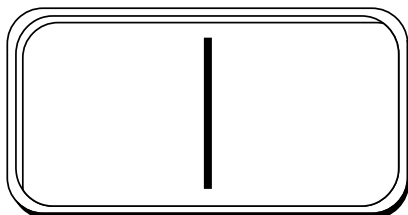


Double 5 is

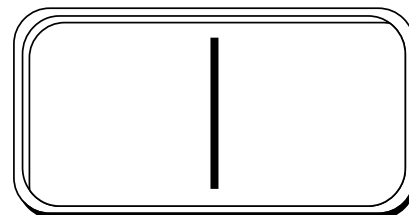
2 Draw the dominoes.



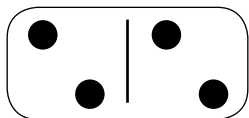
Double 1



Double 2



Double 3



Doubles

Lesson 49 • Worksheet 2

Doubling

Name _____

1 Add Dizzy's double dice rolls.

$$\begin{array}{|c|} \hline \bullet \\ \hline \end{array} + \begin{array}{|c|} \hline \bullet \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline \bullet \\ \bullet \\ \hline \end{array} + \begin{array}{|c|} \hline \bullet \\ \bullet \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$$

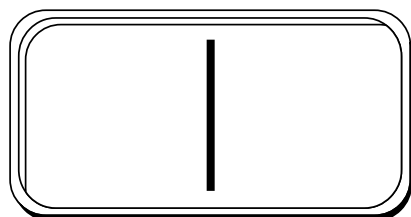
$$\begin{array}{|c|} \hline \bullet \\ \bullet \quad \bullet \\ \hline \end{array} + \begin{array}{|c|} \hline \bullet \\ \bullet \quad \bullet \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline \bullet \quad \bullet \\ \bullet \quad \bullet \\ \hline \end{array} + \begin{array}{|c|} \hline \bullet \quad \bullet \\ \bullet \quad \bullet \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$$

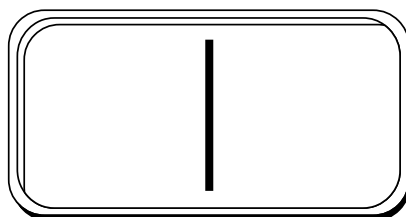
$$\begin{array}{|c|} \hline \bullet \quad \bullet \\ \bullet \quad \bullet \\ \hline \end{array} + \begin{array}{|c|} \hline \bullet \quad \bullet \\ \bullet \quad \bullet \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array}$$



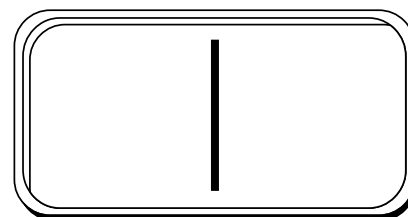
2 Draw the dominoes.



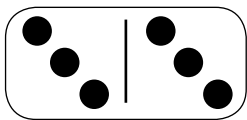
Double 4



Double 5



Double 6



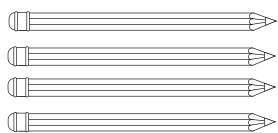
Doubles

Lesson 49 • Worksheet 3

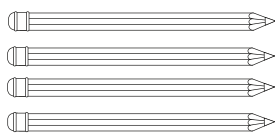
Adding doubles

Name _____

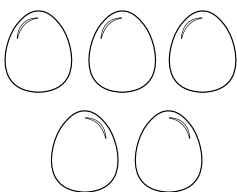
1 Write the missing numbers.



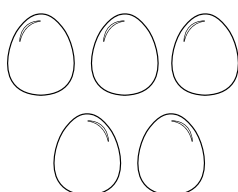
+



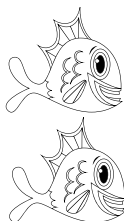
$$4 + \boxed{} = 8$$



+



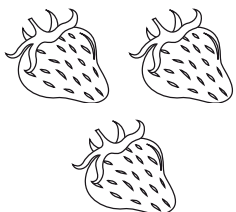
$$\boxed{} + 5 = \boxed{}$$



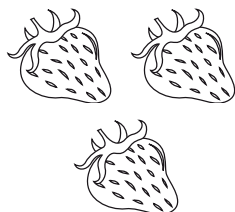
+



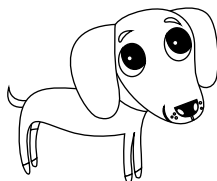
$$\boxed{} + \boxed{} = \boxed{}$$



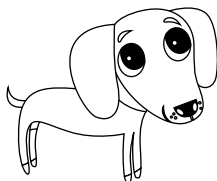
+



$$\boxed{} + \boxed{} = \boxed{}$$

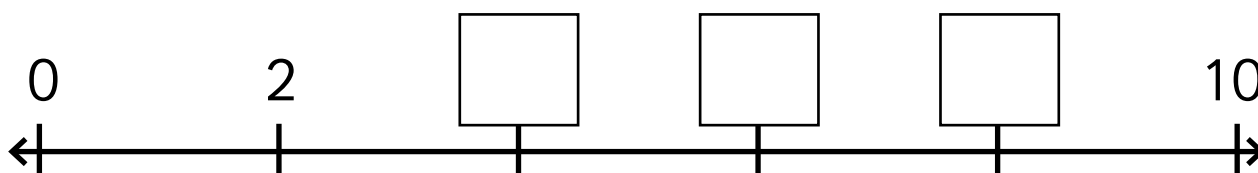


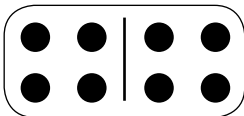
+



$$\boxed{} + \boxed{} = \boxed{}$$

2 Fill in the missing doubles to 10 on the number line.





Doubles

Lesson 49 • Worksheet 4

Check

Name _____

Join each ladybug to the correct leaf. Complete the doubles.

