



Maths

Addition and Subtraction

Need a coherently planned sequence of lessons to complement this resource?



Add Three 1-Digit Numbers



Aim

- To add three 1-digit numbers.

Success Criteria

- I can use number facts to add three 1-digit numbers.
- I can use number doubles to add three 1-digit numbers.
- I can select a strategy to add three 1-digit numbers.

Remember It



Minute to win it.

Your time...

starts...

NOW!

Add 2 numbers to make
the mystery total.
Can you find all
the possibilities?

7



Remember It



Did you find all the possibilities?

Using a number pattern can help.

$$0 + 7$$

$$1 + 6$$

$$2 + 5$$

$$3 + 4$$



$$7 + 0$$

$$6 + 1$$

$$5 + 2$$

$$4 + 3$$

Remember It



Minute to win it.

Your time...

starts...

NOW!

How many number pairs can you find to make the mystery number?

9



Remember It



How will you know if you've found all the possibilities?

Did you use a number pattern to check?

$0 + 9$

$1 + 8$

$2 + 7$

$3 + 6$

$4 + 5$



$9 + 0$

$8 + 1$

$7 + 2$

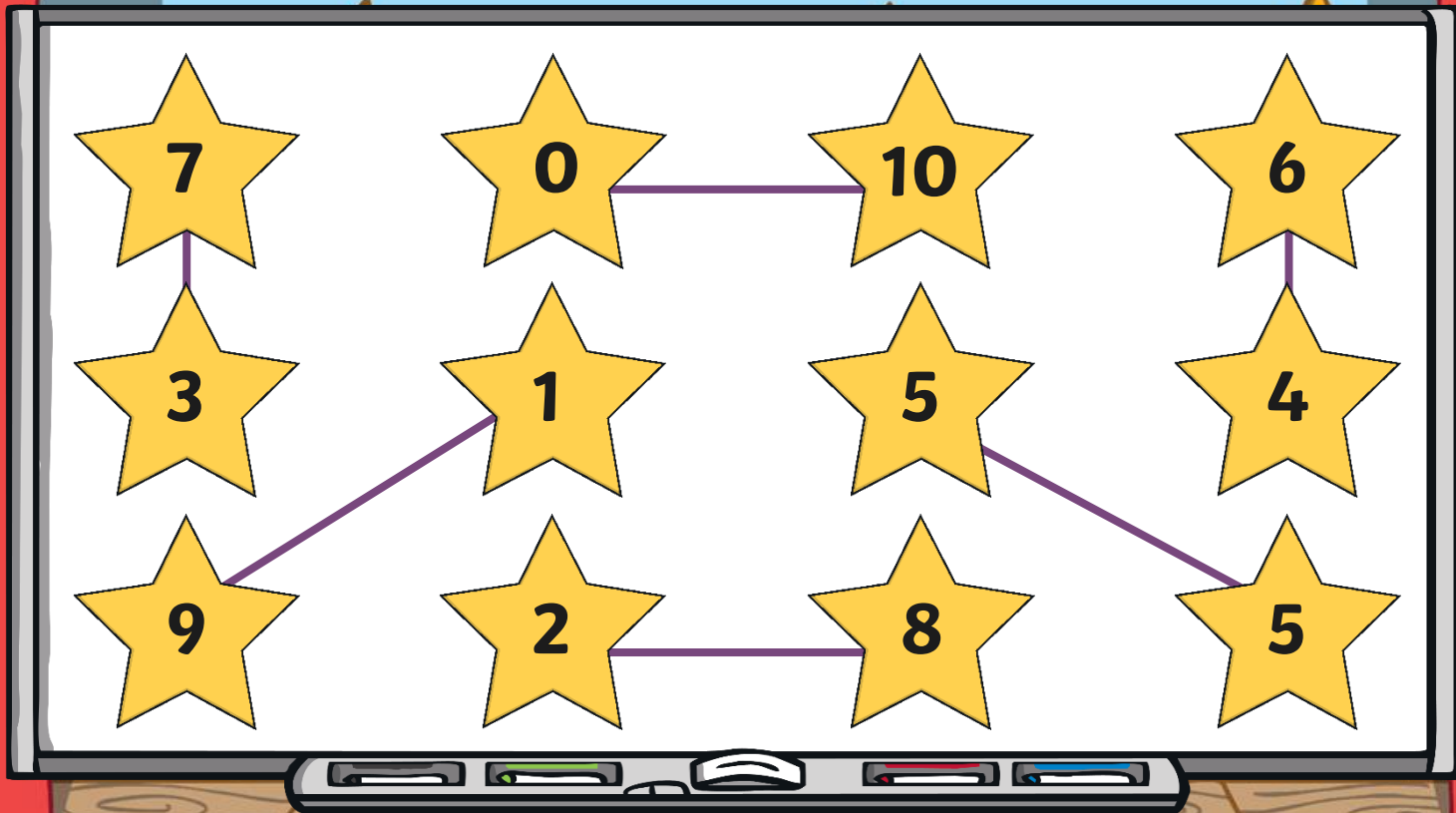
$6 + 3$

$5 + 4$

Remember It



Can you find the pairs of numbers that add together to make 10?



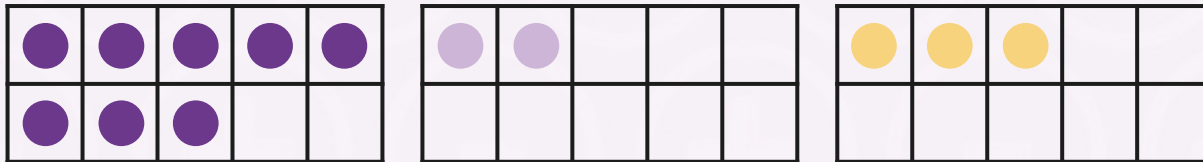
Spot It



Facts of ten can help us add three 1-digit numbers.

Can you spot a number fact of 10 in this calculation?

Make 10 then add the remaining number.



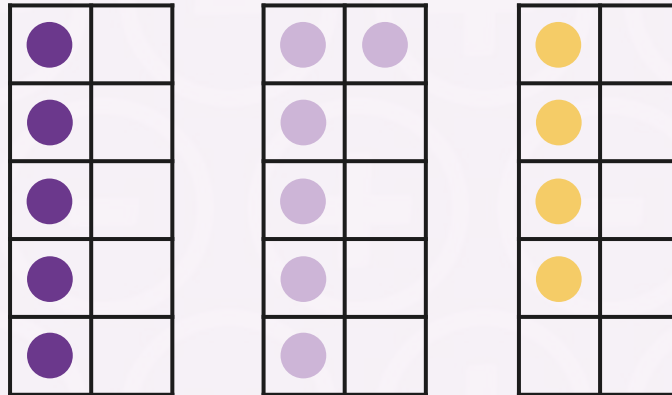
$$8 + 2 + 3 = 13$$

$$10 + 3 = 13$$

Spot It



Make a number fact of ten then add the remaining number.



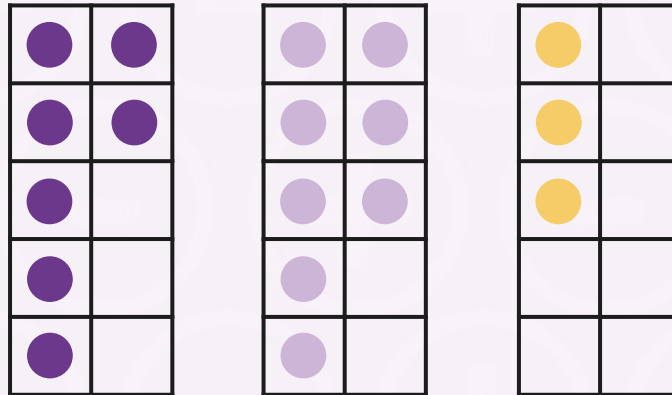
$$5 + 6 + 4 = 15$$

$$5 + 10 = 15$$

Spot It



Make a number fact of ten then add the remaining number.



$$7 + 8 + 3 = 18$$

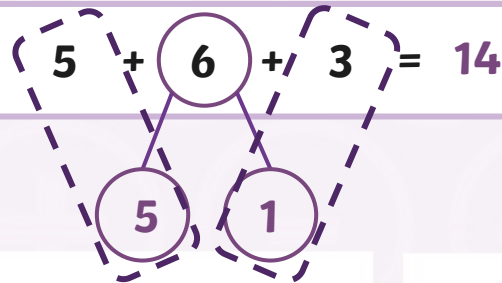
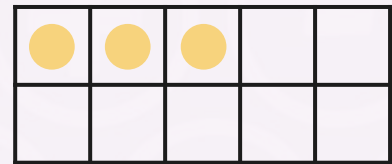
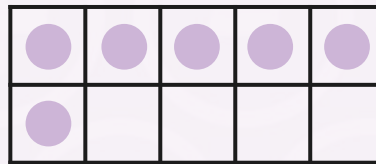
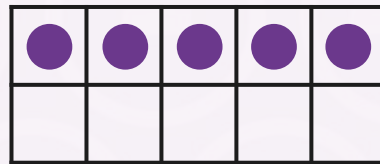
$$10 + 8 = 18$$

Make It

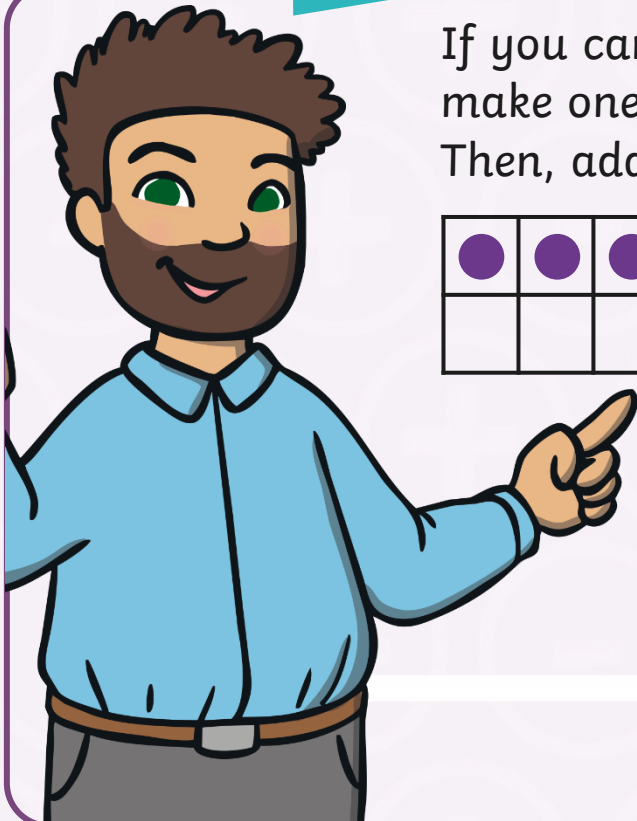


But what if I can't find a number fact of ten?

If you can't see a number fact of ten, you can make one by partitioning a number like this. Then, add the remaining parts.



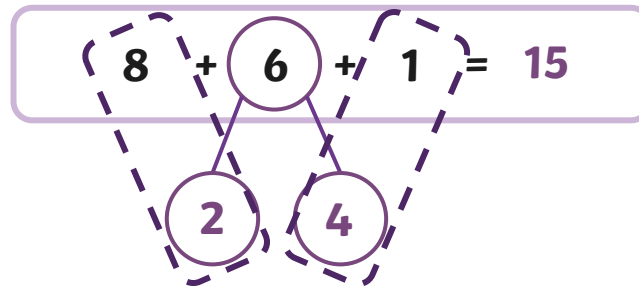
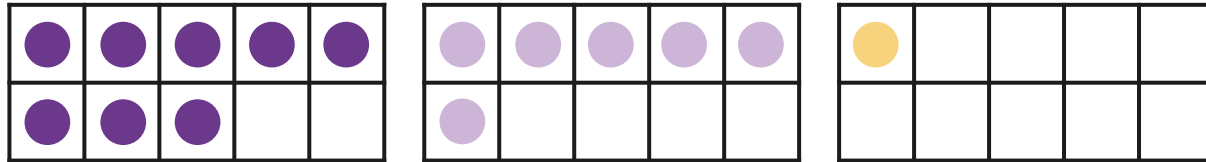
$$10 + 4 = 14$$



Make It



Partition a number to make a number fact of ten.
Then, add the remaining numbers.



$$10 + 5 = 15$$

Double It



Can you remember these number doubles?

A mermaid with red hair and a green top is pointing upwards. The background is an underwater scene with bubbles and light rays. A grid of numbers is arranged in two rows. The first row contains pairs: (1, 2), (2, 4), (3, 6), (4, 8), (5, 10), (6, 12). The second row contains pairs: (7, 14), (8, 16), (9, 18), (10, 20).

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

Double It



Some number doubles can be tricky to recall.

Can you spot any patterns that could help?

$$1 + 1 = 2$$

$$2 + 2 = 4$$

$$3 + 3 = 6$$

$$4 + 4 = 8$$

$$5 + 5 = 10$$

$$6 + 6 = 12$$

$$7 + 7 = 14$$

$$8 + 8 = 16$$

$$9 + 9 = 18$$

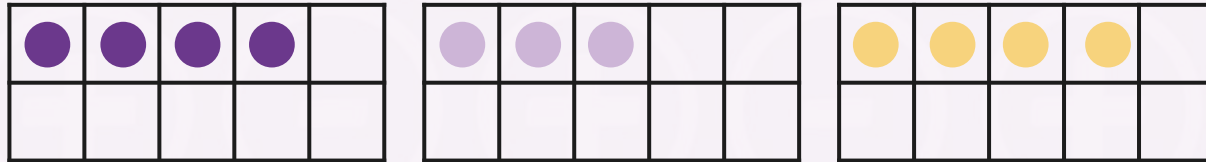
$$10 + 10 = 20$$

Double It



Can you spot a number double in this calculation?

Use the number double then add the remaining number.



$$4 + 3 + 4 = 11$$

$$8 + 3 = 11$$

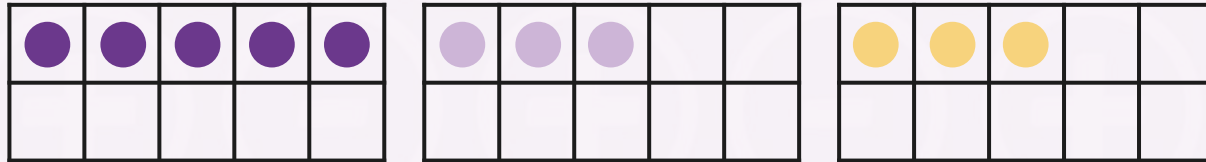


Double It



Use the number doubles then add the remaining numbers.

Click to reveal the solution.



$$5 + 3 + 3 = 11$$

$$5 + 6 = 11$$

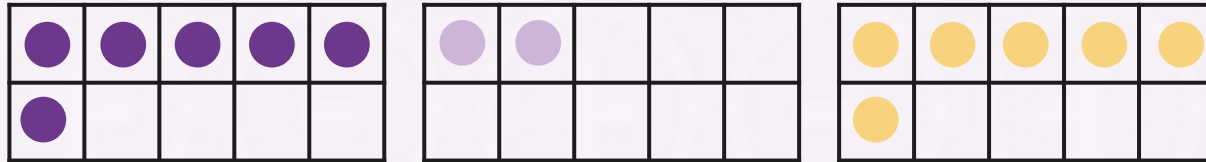


Double It



Use the number doubles then add the remaining numbers.

Click to reveal the solution.



$$6 + 2 + 6 = 14$$

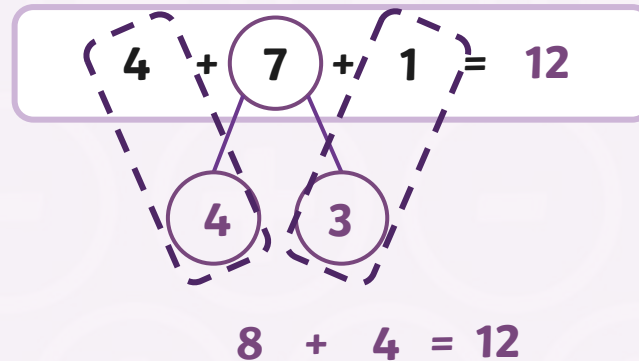
$$12 + 2 = 14$$

Make It



But what if I can't find a number double?

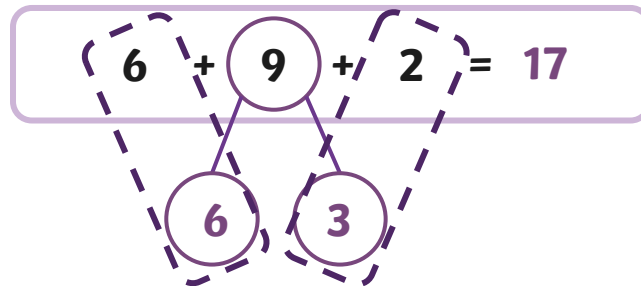
If you can't see a number double, you can make one by partitioning a number like this.



Make It



Partition a number to make a number double.
Then, add the remaining numbers.



$$12 + 5 = 17$$

Try It



Which strategy will you choose to solve each calculation?
Can you explain why you chose that strategy?

Doubles

$$3 + 2 + 3 = 8$$

$$6 + 2 = 8$$

Facts of ten

$$6 + 4 + 2 = 12$$

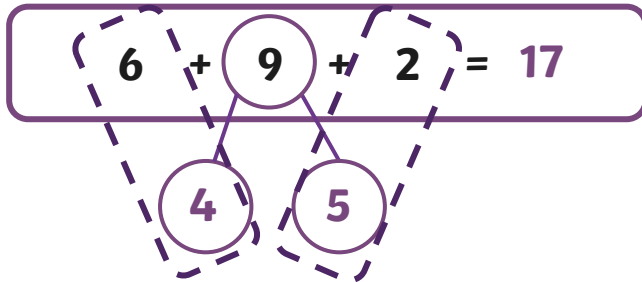
$$10 + 2 = 12$$

Try It



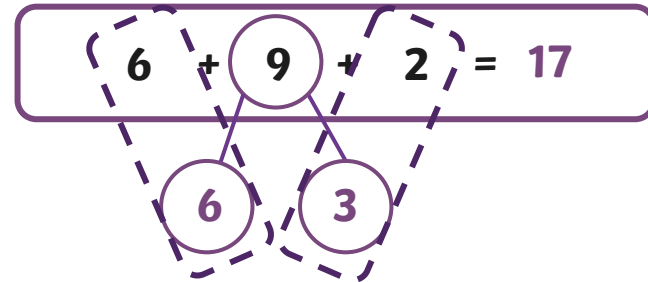
Which strategy will you choose to solve each calculation?
Can you explain why you chose that strategy?

Facts of ten



$$10 + 7 = 17$$

Doubles



$$12 + 5 = 17$$

Three Numbers Activity



Add Three 1-Digit Numbers

To add three 1-digit numbers.

Find a number fact of ten. Then add the other number.

$$\begin{array}{l} 1 + 9 + 3 = \square \\ 10 + \square = \square \end{array}$$

$$\begin{array}{l} 5 + 6 + 5 = \square \\ 10 + \square = \square \end{array}$$

$$4 + 7 + 3 = \square$$

$$6 + 4 + 8 = \square$$

Find a number double and then add the other number.

$$\begin{array}{l} 3 + 3 + 4 = \square \\ \square + \square = \square \end{array}$$

$$\begin{array}{l} 3 + 3 + 4 = \square \\ \square + \square = \square \end{array}$$

$$4 + 7 + 4 = \square$$

$$8 + 8 + 1 = \square$$

Find a number fact of ten. Then add the other number.

$$4 + 7 + 7 = \square$$

$$8 + 2 + 5 = \square$$

$$6 + 9 + 4 = \square$$

$$9 + 9 + 2 = \square$$



Add Three 1-Digit Numbers

Numbers.

fact of ten and then add the other number.

$$\square + \square + \square = \square$$

$$7 + 6 + 4 = \square$$

fact of ten and then add the other numbers.

$$\square + \square + \square = \square$$

$$8 + 5 + 6 = \square$$

fact of ten and then add the other number.

$$8 = \square$$

$$5 + 7 + 7 = \square$$

double and then numbers.

$$3 = \square$$

How will you solve these calculations?

$$7 + 5 + 4 = \square$$

$$5 = \square$$

$$4 + 7 + 8 = \square$$



Three 1-Digit Numbers

Numbers.

and discuss the best ways to add these numbers.

by number facts of ten or doubles?

$$\square + \square + \square = \square$$

$$5 + 8 + 2 = \square$$

$$\square + \square + \square = \square$$

$$2 + 6 + 5 = \square$$

$$\square + \square + \square = \square$$

$$3 + 8 + 8 = \square$$

$$+ 3 = \square$$

$$5 + 9 + 4 = \square$$

$$+ 4 = \square$$

$$7 + 8 + 5 = \square$$







Diving into Mastery

Dive in by completing your own activity!



Add Three 1-Digit Numbers

Add each set of 3 numbers.
Circle number facts of ten or number doubles to help you.



$2 + 4 + 8 = \square$	$3 + 3 + 6 = \square$
$6 + 1 + 9 = \square$	$5 + 0 + 5 = \square$
$9 + 4 + 4 = \square$	$7 + 3 + 2 = \square$
$6 + 8 + 6 = \square$	$2 + 8 + 8 = \square$
$0 + 4 + 6 = \square$	$7 + 5 + 7 = \square$

15

5


8

5

0

4

ide.



How Many Ways



11

Add 3 numbers to make 11. How many different ways can you find?



Hint! Keep a number in the same place for as long as you can.

$$0 + 2 + 9$$

$$0 + 3 + 8$$

$$0 + 4 + 7$$

$$0 + 5 + 6$$

$$1 + 1 + 9$$

$$1 + 2 + 8$$

$$1 + 3 + 7$$

$$1 + 4 + 6$$

$$1 + 5 + 5$$

$0 + 2 + 9$
is the same as
 $9 + 2 + 0$.



Aim



- To add three 1-digit numbers.

Success Criteria

- I can use number facts to add three 1-digit numbers.
- I can use number doubles to add three 1-digit numbers.
- I can select a strategy to add three 1-digit numbers.

