

Teacher notes

Children will sort various number sentences into true or false piles. They will need to provide evidence to support their answers by showing the inverse. Children may use concrete apparatus to help them.

DEVELOPING



Children may work in partners and use concrete apparatus to help them sort number sentences into true or false piles.

SECURE



Children will work individually to sort number sentences into true or false piles.

MASTERY



Children will work individually to sort number sentences into true or false piles and progress to creating their own true or false number sentences to sort.

Extension: Children will select a number sentence from the 'True' pile and write all associated facts to create a fact family.

For example:

TRUE

$$12 + 6 = 18$$

$$17 - 8 = 9$$

FALSE

$$7 + 8 = 17$$

$$11 - 7 = 3$$

Addition number sentences

$$5 + 8 = 12$$

$$12 + 6 = 18$$

$$7 + 8 = 17$$

$$10 + 3 = 13$$

$$5 + 6 = 11$$

$$9 + 4 = 12$$

$$8 + 9 = 17$$

$$6 + 4 = 10$$

$$9 + 9 = 18$$

$$13 + 4 = 19$$

$$9 + 3 = 12$$

$$9 + 6 = 14$$

$$8 + 11 = 18$$

$$4 + 7 = 12$$

Subtraction number sentences

$14 - 5 = 9$

$19 - 11 = 8$

$16 - 7 = 8$

$12 - 5 = 8$

$13 - 9 = 5$

$18 - 9 = 9$

$17 - 8 = 9$

$16 - 9 = 6$

$15 - 8 = 7$

$11 - 6 = 4$

$14 - 8 = 5$

$17 - 10 = 7$

$13 - 6 = 7$

$11 - 7 = 3$

Mixed number sentences

$$8 + 5 = 13$$

$$20 - 7 = 14$$

$$14 - 5 = 8$$

$$6 + 10 = 16$$

$$7 + 4 = 10$$

$$18 - 9 = 9$$

$$12 - 7 = 5$$

$$4 + 9 = 11$$

$$8 + 8 = 16$$

$$11 - 6 = 5$$

$$15 - 9 = 7$$

$$9 + 5 = 14$$

$$7 + 6 = 14$$

$$19 - 8 = 12$$

Create your own number sentences



True or false cards

TRUE

FALSE

TRUE

FALSE

TRUE

FALSE

TRUE

FALSE

TRUE

FALSE

TRUE

FALSE

Answers – True or false?

True	False
Addition	
$12 + 6 = 18$	$5 + 8 = 12$
$10 + 3 = 12$	$7 + 8 = 17$
$5 + 6 = 11$	$9 + 4 = 12$
$8 + 9 = 17$	$13 + 4 = 19$
$6 + 4 = 10$	$9 + 6 = 14$
$9 + 9 = 18$	$8 + 11 = 18$
$9 + 3 = 12$	$4 + 7 = 12$
Subtraction	
$14 - 5 = 9$	$16 - 7 = 8$
$19 - 11 = 8$	$12 - 5 = 8$
$18 - 9 = 9$	$13 - 9 = 5$
$17 - 8 = 9$	$16 - 9 = 6$
$15 - 8 = 7$	$11 - 6 = 4$
$17 - 10 = 7$	$14 - 8 = 5$
$13 - 6 = 7$	$11 - 7 = 3$
Mixed	
$8 + 5 = 13$	$20 - 7 = 14$
$6 + 10 = 16$	$14 - 5 = 8$
$14 - 7 = 7$	$7 + 4 = 10$
$12 - 7 = 5$	$4 + 9 = 11$
$8 + 8 = 16$	$15 - 9 = 7$
$11 - 6 = 5$	$7 + 6 = 14$
$9 + 5 = 14$	$19 - 8 = 12$