



# MATHEMATICS

Answers  
Year 3 | Unit 2

## Adding and subtracting ten – Sheet 4


Solve each problem.


Record your strategy/method in each box.


$56 + 10 = 66$	$28 - 10 = 18$	$10 + 247 = 257$
$10 + 72 = 82$	$362 + 10 = 372$	$179 - 10 = 169$
$793 - 10 = 783$	$921 - 10 = 911$	$10 + 77 = 87$
$79 - 10 = 69$	$10 + 19 = 29$	$760 - 10 = 750$
$10 + 115 = 125$	$51 - 10 = 41$	$49 + 10 = 59$




## Adding and subtracting ten – Sheet 6


<p>1. The nursery planted 584 seedlings last spring. This spring they have planted 342 more. How many seedlings has the nursery planted altogether?</p>	<p><b>Number sentence</b></p> <p><math>584 + 342 =</math></p>				
<p><b>Part-part-whole</b></p> <table border="1" style="margin-left: 20px; border-collapse: collapse; text-align: center;"> <tr> <td colspan="2" style="background-color: #f8cbad; padding: 5px;">wh?le</td> </tr> <tr> <td style="background-color: #d4edda; padding: 5px;">584</td> <td style="background-color: #fff3cd; padding: 5px;">342</td> </tr> </table>	wh?le		584	342	 <p><b>Drawing</b></p>
wh?le					
584	342				
<p><b>Jottings</b></p> <p>My answer is 926.</p>					

<p>2. Eastmore is a suburb with 99 houses. Northless Heights is the next suburb and has 54 houses. How many more houses does Eastmore have?</p>	<p><b>Number sentence</b></p> <p><math>99 - 54 = ?</math> or <math>? + 54 = 99</math></p>				
<p><b>Part-part-whole</b></p> <table border="1" style="margin-left: 20px; border-collapse: collapse; text-align: center;"> <tr> <td colspan="2" style="background-color: #f8cbad; padding: 5px;">w99le</td> </tr> <tr> <td style="background-color: #d4edda; padding: 5px;">p?t</td> <td style="background-color: #fff3cd; padding: 5px;">54t</td> </tr> </table>	w99le		p?t	54t	 <p><b>Drawing</b></p>
w99le					
p?t	54t				
<p><b>Jottings</b></p> <p>My answer is 45.</p>					

<p>3. The princess counted 76 precious jewels in her collection. She gave 38 away as gifts. How many precious jewels does the princess have left?</p>	<p><b>Number sentence</b></p> $76 - 38 = ?$				
<p><b>Part-part-whole</b></p> <table border="1" data-bbox="225 551 505 719"> <tr> <td colspan="2">w76le</td> </tr> <tr> <td>p38t</td> <td>p?rt</td> </tr> </table> 	w76le		p38t	p?rt	<p><b>Drawing</b></p>
w76le					
p38t	p?rt				
<p><b>Jottings</b></p> <p>My answer is 38.</p>					

<p>4. The Choc-tastic chocolate factory produced 290 boxes of chocolate in January and 704 in February. How many boxes of chocolate did they produce altogether in January and February?</p>	<p><b>Number sentence</b></p> $290 + 704 =$				
<p><b>Part-part-whole</b></p> <table border="1" data-bbox="225 1413 505 1581"> <tr> <td colspan="2">wh?le</td> </tr> <tr> <td>290</td> <td>704</td> </tr> </table> 	wh?le		290	704	<p><b>Drawing</b></p>
wh?le					
290	704				
<p><b>Jottings</b></p> <p>My answer is 994.</p>					

<p>5. Jason plans to buy a new controller for his game console. The controller costs \$55. He has saved \$36. How much more money does Jason have to save before he can buy the controller?</p>	<p><b>Number sentence</b></p> <p><math>36 + ? = 55</math> or <math>55 - 36 = ?</math></p>				
<p><b>Part-part-whole</b></p>  <table border="1" data-bbox="225 551 504 719"> <tr> <td colspan="2">whole</td> </tr> <tr> <td>36</td> <td>?</td> </tr> </table>	whole		36	?	<p><b>Drawing</b></p>
whole					
36	?				
<p><b>Jottings</b></p> <p>My answer is 19.</p>					

<p>6. Demi went to the movies twice to see <i>Tiger Queen</i>. The first time she counted 187 people in the cinema. The second time she counted 253 people. How many people did Demi count altogether?</p>	<p><b>Number sentence</b></p> <p><math>187 + 253 =</math></p>				
<p><b>Part-part-whole</b></p>  <table border="1" data-bbox="225 1323 504 1491"> <tr> <td colspan="2">whole</td> </tr> <tr> <td>187</td> <td>253</td> </tr> </table>	whole		187	253	<p><b>Drawing</b></p>
whole					
187	253				
<p><b>Jottings</b></p> <p>My answer is 440.</p>					

## Write your own word problems – Sheet 7

1.  $231 + 466 =$  \_\_\_\_\_

wh?ole	
231	466

Fiona has 231 gemstones in her collection. Her uncle gave her 466 of his gemstones. How many gemstones does Fiona now have altogether?

2.  $245 +$  \_\_\_\_\_  $= 400$

w400e	
245	part

Jim wanted to buy a remote control car for \$400. He already had \$245 in his piggy bank. How much more does he need to save?

3. \_\_\_\_\_  $= 165 + 370$

wh?ole	
165	370

Jess delivered 164 newspapers in March and 370 in April. How many newspapers did she deliver altogether in March and April?

4. \_\_\_\_\_  $+ 280 = 430$

w430e	
part	280

Frank the fruit shop owner had 430 juicy red apples for sale on Monday. By Friday, he only had 280 juicy red apples left. How many apples did Frank sell during the week?

## Two-digit and three-digit doubling problems – Sheet 11

### Problem 1

There were two busloads of students travelling to the pool.  
40 students were in each bus.  
How many students altogether?

**Show working**

Number sentence:  $40 \times 2 = 80$

**Answer:** There were **80** students altogether.



### Problem 2

The car park has two levels. There are 60 car spaces available on each level.  
How many car spaces are available?

**Show working**

Number sentence:  $60 \times 2 = 120$

**Answer:** There are **120** car spaces available.



### Problem 3

410 raffle tickets were sold on Monday.  
Another 410 tickets were sold on Tuesday.  
How many tickets were sold?

**Show working**

Number sentence:  $410 \times 2 = 820$

**Answer:** **820** tickets were sold.



## Two-digit and three-digit halving problems – Sheet 14

### Problem 1

80 apples were picked on a farm and packed equally into two boxes.  
How many apples in each box?

**Show working**

Number sentence:  $80 \div 2 = 40$

**Answer:** There were 40 apples in each box.



### Problem 2

There were 260 students on the oval. Half were girls.  
How many students were girls?

**Show working**

Number sentence:  $260 \div 2 = 130$

**Answer:** 130 students were girls.



### Problem 3

A baker made 420 cupcakes in the morning.  
Half were sold by the end of the day.  
How many cupcakes were sold?

**Show working**

Number sentence:  $420 \div 2 = 210$

**Answer:** 210 cupcakes were sold.

