

# Year 2 Maths Addition and Subtraction

## Learning from Home Activity Booklet

Year 2 Programme of Study – Number and Place Value

Statutory requirements	Activity Sheet	Page Number	Notes
Solve problems with addition and subtraction using objects and pictures, applying increasing knowledge of mental and written methods.	Word Problems	2	
Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.	Know Your Facts! If you know this...	3 4	
Add and subtract numbers using objects, pictures, and mentally, including: a two-digit number and ones. a two-digit number and tens. two two-digit numbers. adding three one-digit numbers.	Roll the Dice Tricky Tens Add and Subtract Missing Numbers	5 6 7-8 9	
Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.	Right or Wrong?	10	
Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	Know Your Numbers Fill the Gaps	11 12	
Answers		13-22	

# Word Problems

Use what you know about addition and subtraction to solve these problems. Don't forget to underline the important information – what numbers are you using in the calculation and do you need to add or subtract (find the difference)?

1. Joe and Sam are playing a computer game. Joe scores 45 points and Sam scores 32 points. How many points do they score altogether?

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2. In the next round of the game, Joe scores 36 points and Sam scores 49 points. How many more points does Sam score than Joe?

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3. In a tube of sweets, Kate finds 7 orange ones, 6 green ones and 3 yellow ones. How many sweets are there altogether?

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4. Lily's mum has 28p in her purse. Lily has 11p. How much do they have altogether?

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5. How much more does Lily's mum have than Lily?

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6. The children in Mrs Jones' class earned some extra minutes of playtime. Normally, they have 15 minutes. Now they have 22 minutes. How many extra minutes did they earn?

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# Know Your Facts

Fill in the missing numbers.

## Number Bonds to 10

10	
6	4

10	
5	

10	
9	

10	
	3

10	
	8

10	
4	

## Number Bonds to 20

20	
13	

20	
	10

20	
16	

20	
	3

20	
	8

20	
5	

# If I Know This...

If I know that  $6 + 4 = 10$ , this helps me know lots of other facts too. For example:

$4 + 6 = 10$	$10 - 6 = 4$	$10 - 4 = 6$	$60 + 40 = 100$
$16 + 4 = 20$	$14 + 6 = 20$	$26 + 4 = 30$	$34 + 6 = 40$
$100 - 60 = 40$	$20 - 6 = 14$	$50 - 6 = 44$	$100 - 40 = 60$

Write down as many facts as you can to go with each of these number sentences:

<b><math>5 + 5 = 10</math></b>	<b><math>9 + 1 = 10</math></b>
<b><math>7 + 3 = 10</math></b>	<b><math>2 + 8 = 10</math></b>

# Roll the Dice!

You will need a 1-6 spot die and two coloured pencils. Take it in turns with your helper to choose a two-digit number from the grid. Roll the dice and add the number on the dice to your two-digit number. If you get it right, colour in the number on the grid. The winner is the first person to colour in six squares. Use the number line to help you.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

<b>24</b>	<b>86</b>	<b>57</b>	<b>93</b>	<b>38</b>
<b>14</b>	<b>49</b>	<b>10</b>	<b>69</b>	<b>75</b>
<b>60</b>	<b>16</b>	<b>36</b>	<b>47</b>	<b>54</b>
<b>25</b>	<b>74</b>	<b>37</b>	<b>42</b>	<b>81</b>
<b>21</b>	<b>90</b>	<b>19</b>	<b>65</b>	<b>53</b>
<b>16</b>	<b>20</b>	<b>88</b>	<b>79</b>	<b>95</b>

# Tricky Tens

Fill in the missing numbers by counting on in tens.

4	14	24					
---	----	----	--	--	--	--	--

27	37				77		
----	----	--	--	--	----	--	--

19			49				
----	--	--	----	--	--	--	--

8							78
---	--	--	--	--	--	--	----

Can you use this knowledge to help you solve these addition and subtraction sentences?

$24 + 10 = \underline{\quad}$

$44 - 30 = \underline{\quad}$

$34 + 30 = \underline{\quad}$

$99 - 10 = \underline{\quad}$

$44 + 20 = \underline{\quad}$

$39 - 20 = \underline{\quad}$

$19 + 10 = \underline{\quad}$

$88 - 30 = \underline{\quad}$

$39 + 40 = \underline{\quad}$

$47 - 40 = \underline{\quad}$

$8 + 10 = \underline{\quad}$

$67 - 60 = \underline{\quad}$

$48 + 40 = \underline{\quad}$

$54 - 30 = \underline{\quad}$

$37 + 20 = \underline{\quad}$

$58 - 20 = \underline{\quad}$

$57 + 40 = \underline{\quad}$

$24 - 10 = \underline{\quad}$

# Add and Subtract

Find the answer to these addition number sentences.

$87 + 11 = \underline{\hspace{2cm}}$

$65 + 33 = \underline{\hspace{2cm}}$

$41 + 53 = \underline{\hspace{2cm}}$

$34 + 22 = \underline{\hspace{2cm}}$

$54 + 25 = \underline{\hspace{2cm}}$

$27 + 31 = \underline{\hspace{2cm}}$

Now try these:

$65 + 26 = \underline{\hspace{2cm}}$

$48 + 48 = \underline{\hspace{2cm}}$

$76 + 28 = \underline{\hspace{2cm}}$

$39 + 28 = \underline{\hspace{2cm}}$

# Add and Subtract

Find the answer to these subtraction number sentences.

$67 - 21 = \underline{\hspace{2cm}}$

$65 - 33 = \underline{\hspace{2cm}}$

$71 - 51 = \underline{\hspace{2cm}}$

$89 - 57 = \underline{\hspace{2cm}}$

$84 - 23 = \underline{\hspace{2cm}}$

$37 - 31 = \underline{\hspace{2cm}}$

$65 - 24 = \underline{\hspace{2cm}}$

$48 - 38 = \underline{\hspace{2cm}}$

$96 - 75 = \underline{\hspace{2cm}}$

$39 - 21 = \underline{\hspace{2cm}}$

# Missing Numbers

Write in the missing numbers to make the number sentences correct. Think about the number bonds that make 10 and 20.

•  $6 + 7 + \square = 20$

•  $5 + 9 + \square = 20$

•  $3 + 8 + \square = 20$

•  $4 + 5 + \square = 20$

•  $9 + 1 + \square = 20$

•  $6 + 5 + \square = 20$

•  $3 + 9 + \square = 20$

•  $7 + 5 + \square = 20$

•  $9 + 9 + \square = 20$

•  $8 + 8 + \square = 20$

•  $9 + 8 + \square = 20$

•  $7 + 8 + \square = 20$

•  $7 + 9 + \square = 20$

# Right or Wrong?

Are these statements right or wrong? Put a tick in the box if the statements are correct and a cross if they are incorrect.

**2 + 12 is the same as 12 + 2**

**34 + 46 is the same as 46 + 34**

**16 - 5 is the same as 5 - 16**

**26 - 12 is the same as 12 - 26**

**Now try this:**

Can you choose the correct number sentence to go with each of these word problems?

James finds 12 red bricks and 16 blue bricks in his toy box. How many bricks does he have altogether?

**12 + 16**

**12 - 16**

**16 - 12**

Sarah spent 46p in the shop yesterday. Today, she spent 33p. How much more did she spend yesterday than today?

**46 - 33**

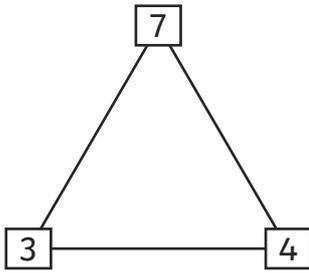
**33 - 46**

**33 + 46**

**Challenge:** Now, calculate the answers to these problems!

# Know Your Numbers!

Use the number triangles to make four number sentences.

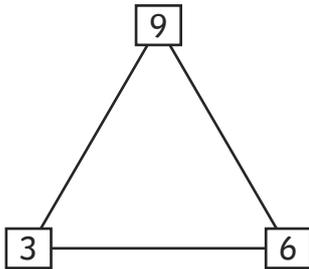


$3 + 4 = 7$

$4 + 3 = 7$

$7 - 3 = 4$

$7 - 4 = 3$

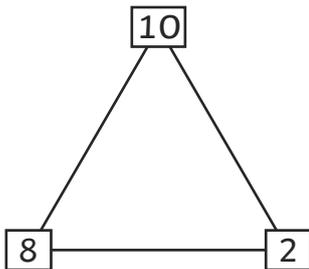


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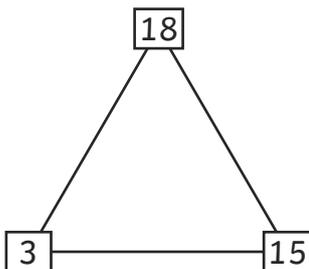


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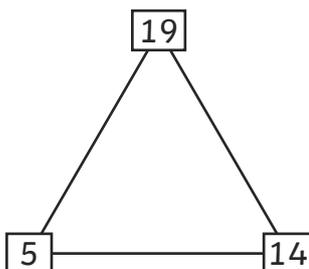


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# Fill the Gaps

Fill in the missing numbers in these calculations.

$6 + \square = 12$	$\square + 6 = 11$
$5 + \square = 14$	$\square + 7 = 14$
$9 + \square = 13$	$\square + 5 = 9$
$4 + \square = 10$	$\square + 9 = 16$
$8 + \square = 16$	$\square + 10 = 15$
$15 - \square = 8$	$\square - 6 = 9$
$18 - \square = 11$	$\square - 5 = 6$
$13 - \square = 7$	$\square - 7 = 9$
$11 - \square = 3$	$\square - 4 = 8$
$14 - \square = 8$	$\square - 9 = 10$

# Word Problems Answers

Use what you know about addition and subtraction to solve these problems. Don't forget to underline the important information – what numbers are you using in the calculation and do you need to add or subtract (find the difference)?

1. Joe and Sam are playing a computer game. Joe scores 45 points and Sam scores 32 points. How many points do they score altogether?

$$45 + 32 = 77 \text{ points}$$



2. In the next round of the game, Joe scores 36 points and Sam scores 49 points. How many more points does Sam score than Joe?

$$49 - 36 = 13 \text{ points}$$

3. In a tube of sweets, Kate finds 7 orange ones, 6 green ones and 3 yellow ones. How many sweets are there altogether?

$$7 + 6 + 3 = 16 \text{ sweets}$$

4. Lily's mum has 28p in her purse. Lily has 11p. How much do they have altogether?

$$28 + 11 = 39p$$



5. How much more does Lily's mum have than Lily?

$$28 - 11 = 17p$$

6. The children in Mrs Jones' class earned some extra minutes of playtime. Normally, they have 15 minutes. Now they have 22 minutes. How many extra minutes did they earn?

$$22 - 15 = 7 \text{ minutes}$$

# Know Your Facts Answers

Fill in the missing numbers.

## Number Bonds to 10

10	
6	4

10	
5	5

10	
9	1

10	
7	3

10	
2	8

10	
4	6

## Number Bonds to 20

20	
13	7

20	
10	10

20	
16	4

20	
17	3

20	
12	8

20	
5	15

# If I Know This... Answers

If I know that  $6 + 4 = 10$ , this helps me know lots of other facts too. For example:

$4 + 6 = 10$	$10 - 6 = 4$	$10 - 4 = 6$	$60 + 40 = 100$
$16 + 4 = 20$	$14 + 6 = 20$	$26 + 4 = 30$	$34 + 6 = 40$
$100 - 60 = 40$	$20 - 6 = 14$	$50 - 6 = 44$	$100 - 40 = 60$

Write down as many facts as you can to go with each of these number sentences:

<p style="text-align: center;"><b><math>5 + 5 = 10</math></b></p> <p>Examples include:</p> <p style="text-align: center;"><math>50 + 50 = 100</math> <math>15 + 5 = 20</math> <math>100 - 50 = 50</math></p>	<p style="text-align: center;"><b><math>9 + 1 = 10</math></b></p> <p>Examples include:</p> <p style="text-align: center;"><math>90 + 10 = 100</math> <math>100 - 10 = 90</math> <math>19 + 1 = 20</math></p>
<p style="text-align: center;"><b><math>7 + 3 = 10</math></b></p> <p>Examples include:</p> <p style="text-align: center;"><math>10 - 7 = 3</math> <math>70 + 30 = 100</math> <math>20 - 7 = 13</math></p>	<p style="text-align: center;"><b><math>2 + 8 = 10</math></b></p> <p>Examples include:</p> <p style="text-align: center;"><math>22 + 8 = 30</math> <math>100 - 80 = 20</math> <math>10 - 2 = 8</math></p>

# Tricky Tens Answers

Fill in the missing numbers by counting on in tens.

4	14	24	34	44	54	64	74
---	----	----	----	----	----	----	----

27	37	47	57	67	77	87	97
----	----	----	----	----	----	----	----

19	29	39	49	59	69	79	89
----	----	----	----	----	----	----	----

8	18	28	38	48	58	68	78
---	----	----	----	----	----	----	----

Can you use this knowledge to help you solve these addition and subtraction sentences?

$24 + 10 = 34$

$44 - 30 = 14$

$34 + 30 = 64$

$99 - 10 = 89$

$44 + 20 = 64$

$39 - 20 = 19$

$19 + 10 = 29$

$88 - 30 = 58$

$39 + 40 = 79$

$47 - 40 = 7$

$8 + 10 = 18$

$67 - 60 = 7$

$48 + 40 = 88$

$54 - 30 = 24$

$37 + 20 = 57$

$58 - 20 = 38$

$57 + 40 = 97$

$24 - 10 = 14$

# Add and Subtract Answers

Find the answer to these addition number sentences.

$87 + 11 = 98$

$65 + 33 = 98$

$41 + 53 = 94$

$34 + 22 = 56$

$54 + 25 = 79$

$27 + 31 = 58$

Now try these:

$65 + 26 = 91$

$48 + 48 = 96$

$76 + 28 = 104$

$39 + 28 = 67$

# Add and Subtract Answers

Find the answer to these subtraction number sentences.

$67 - 21 = 46$

$65 - 33 = 32$

$71 - 51 = 20$

$89 - 57 = 32$

$84 - 23 = 61$

$37 - 31 = 6$

$65 - 24 = 41$

$48 - 38 = 10$

$96 - 75 = 21$

$39 - 21 = 18$

# Missing Numbers Answers

Write in the missing numbers to make the number sentences correct. Think about the number bonds that make 10 and 20.

•  $6 + 7 + \boxed{7} = 20$

•  $5 + 9 + \boxed{6} = 20$

•  $3 + 8 + \boxed{9} = 20$

•  $4 + 5 + \boxed{11} = 20$

•  $9 + 1 + \boxed{10} = 20$

•  $6 + 5 + \boxed{9} = 20$

•  $3 + 9 + \boxed{8} = 20$

•  $7 + 5 + \boxed{8} = 20$

•  $9 + 9 + \boxed{2} = 20$

•  $8 + 8 + \boxed{4} = 20$

•  $9 + 8 + \boxed{3} = 20$

•  $7 + 8 + \boxed{5} = 20$

•  $7 + 9 + \boxed{4} = 20$

# Right or Wrong? Answers

Are these statements right or wrong? Put a tick in the box if the statements are correct and a cross if they are incorrect.

$2 + 12$  is the same as  $12 + 2$

$34 + 46$  is the same as  $46 + 34$

$16 - 5$  is the same as  $5 - 16$

$26 - 12$  is the same as  $12 - 26$

**Now try this:**

Can you choose the correct number sentence to go with each of these word problems?

James finds 12 red bricks and 16 blue bricks in his toy box. How many bricks does he have altogether?

$12 + 16$

$12 - 16$

$16 - 12$

Sarah spent 46p in the shop yesterday. Today, she spent 33p. How much more did she spend yesterday than today?

$46 - 33$

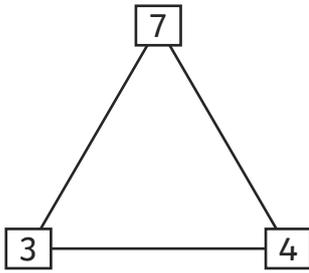
$33 - 46$

$33 + 46$

**Challenge:** Now, calculate the answers to these problems!

# Know Your Numbers! Answers

Use the number triangles to make four number sentences.

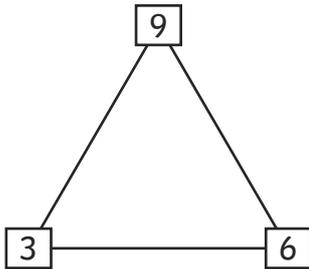


$$3 + 4 = 7$$

$$4 + 3 = 7$$

$$7 - 3 = 4$$

$$7 - 4 = 3$$

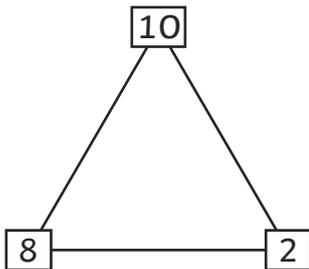


$$6 + 3 = 9$$

$$3 + 6 = 9$$

$$9 - 3 = 6$$

$$9 - 6 = 3$$

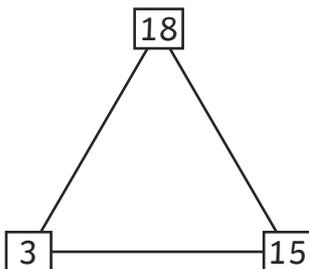


$$8 + 2 = 10$$

$$2 + 8 = 10$$

$$10 - 2 = 8$$

$$10 - 8 = 2$$

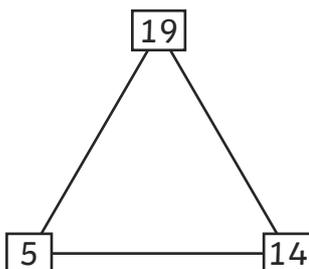


$$15 + 3 = 18$$

$$3 + 15 = 18$$

$$18 - 3 = 15$$

$$18 - 15 = 3$$



$$14 + 5 = 19$$

$$5 + 14 = 19$$

$$19 - 5 = 14$$

$$19 - 14 = 5$$

# Fill the Gaps Answers

Fill in the missing numbers in these calculations.

$6 + \boxed{6} = 12$

$5 + \boxed{9} = 14$

$9 + \boxed{4} = 13$

$4 + \boxed{6} = 10$

$8 + \boxed{8} = 16$

$\boxed{5} + 6 = 11$

$\boxed{7} + 7 = 14$

$\boxed{4} + 5 = 9$

$\boxed{7} + 9 = 16$

$\boxed{5} + 10 = 15$

$15 - \boxed{7} = 8$

$18 - \boxed{7} = 11$

$13 - \boxed{6} = 7$

$11 - \boxed{8} = 3$

$14 - \boxed{6} = 8$

$\boxed{15} - 6 = 9$

$\boxed{11} - 5 = 6$

$\boxed{16} - 7 = 9$

$\boxed{12} - 4 = 8$

$\boxed{19} - 9 = 10$