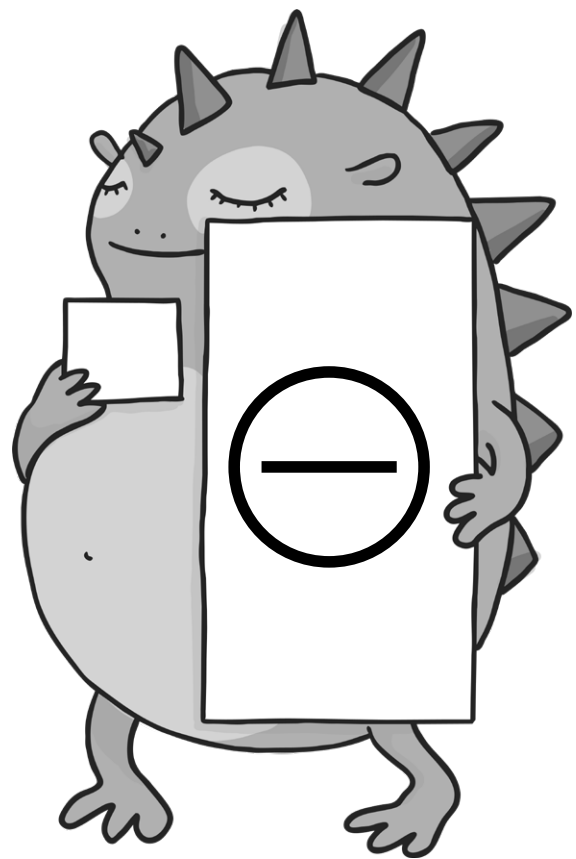
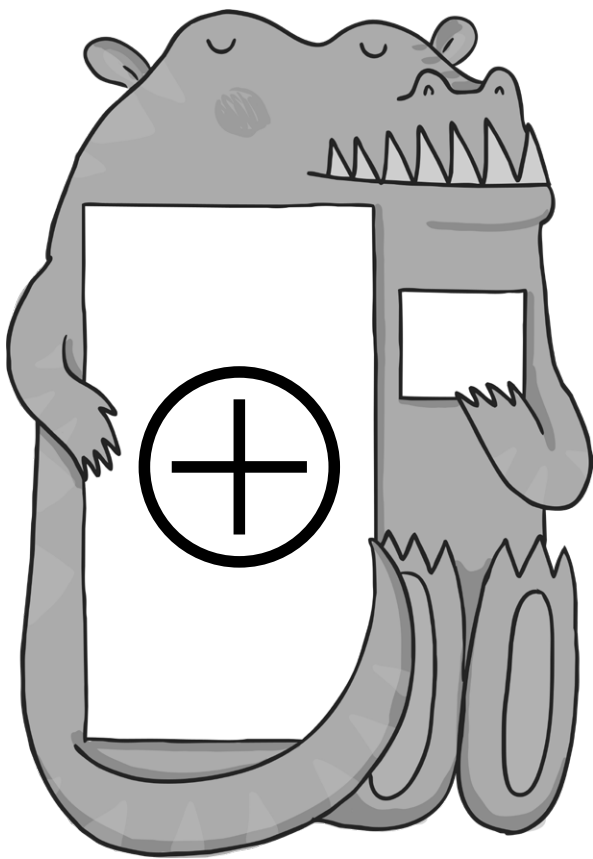


# Year 2 Maths Addition and Subtraction Workbook - Answers



# Home Learning Year 2 Maths Workbook Pack – Answers

## Year 2 Programme of Study – Addition and Subtraction – Answers

Statutory Requirements	Worksheet	Page Number	Notes
Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures.	Hops to and from 10	3	
	Addition to 20 on a number line	4	
	Subtraction within 20 on a number line	5	
Solve problems with addition and subtraction.  Applying their increasing knowledge of mental and written methods.	Monsters colour by number addition and subtraction up to 20	6	
Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.	Addition and Subtraction facts to 20	7	
	Deriving Facts to 100	8	
Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:			
A two-digit number and ones.	Adding/subtracting 2-digit numbers and ones crossing 10	9 - 10	
A two-digit number and tens.	Adding/subtracting 2-digit numbers and tens not crossing 100	11 - 12	
Two two-digit numbers.	Adding two 2-digit numbers beyond 100	13	
	Subtracting tens and ones from 2-digit numbers not crossing 100	14	
	Subtracting tens and ones from 3-digit numbers crossing 100	15	
Adding three one-digit numbers.	Adding three one-digit numbers using number facts to 10	16	
	Adding three one-digit numbers - Which 3 numbers?	17	
Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.	Addition can be done in any order - subtraction can't!	18	
Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	Number family worksheets	19 - 22	
	Using Inverse Operations to check - Two Digits Plus One Digit	23	

### 3 Hops to 10 Worksheet: Answers

#### Example answers (working systematically):

\*These assume that Peter Rabbit cannot make hops of zero.

1	+1	+8
1	+2	+7
1	+3	+6
1	+4	+5
1	+5	+4
1	+6	+3
1	+7	+2
1	+8	+1
2	+1	+7
2	+2	+6
2	+3	+5
2	+4	+4
2	+5	+3
2	+6	+2
2	+7	+1
3	+1	+6
3	+2	+5
3	+3	+4
7	+1	+2
7	+2	+1
8	+1	+1

## Addition to 20 on a Number Line: Answers

question	answer
Sheet 1.	
1	$5 + 3 = 8$
2	$8 + 3 = 11$
3	$6 + 6 = 12$
4	$4 + 5 = 9$
5	$4 + 7 = 11$
6	$7 + 6 = 13$
7	$8 + 4 = 12$
8	$9 + 6 = 15$
9	$3 + 9 = 12$
10	$2 + 10 = 12$
Sheet 2.	
1	$5 + 7 = 12$
2	$6 + 4 = 10$
3	$8 + 3 = 11$
4	$7 + 6 = 13$
5	$4 + 8 = 12$
6	$9 + 3 = 12$
7	$8 + 6 = 14$
8	$5 + 6 = 11$
9	$9 + 2 = 11$
10	$8 + 7 = 15$
Sheet 3.	
1	$11 + 4 = 15$
2	$12 + 5 = 17$
3	$8 + 9 = 17$
4	$6 + 3 = 9$
5	$9 + 6 = 15$
6	$4 + 7 = 11$
7	$9 + 9 = 18$
8	$12 + 3 = 15$
9	$7 + 9 = 16$
10	$13 + 5 = 18$

## Subtraction within 20 on a Number Line: Answers

question	answer
Sheet 1.	
1	3
2	4
3	4
4	11
5	3
6	11
7	19
8	11
9	13
10	6
Sheet 2.	
1	8
2	9
3	13
4	5
5	15
6	9
7	1
8	4
9	5
10	0
Sheet 3.	
1	5
2	2
3	1
4	2
5	6
6	2
7	5
8	5
9	12
10	15

# Monsters Colour by Number Addition and Subtraction up to 20

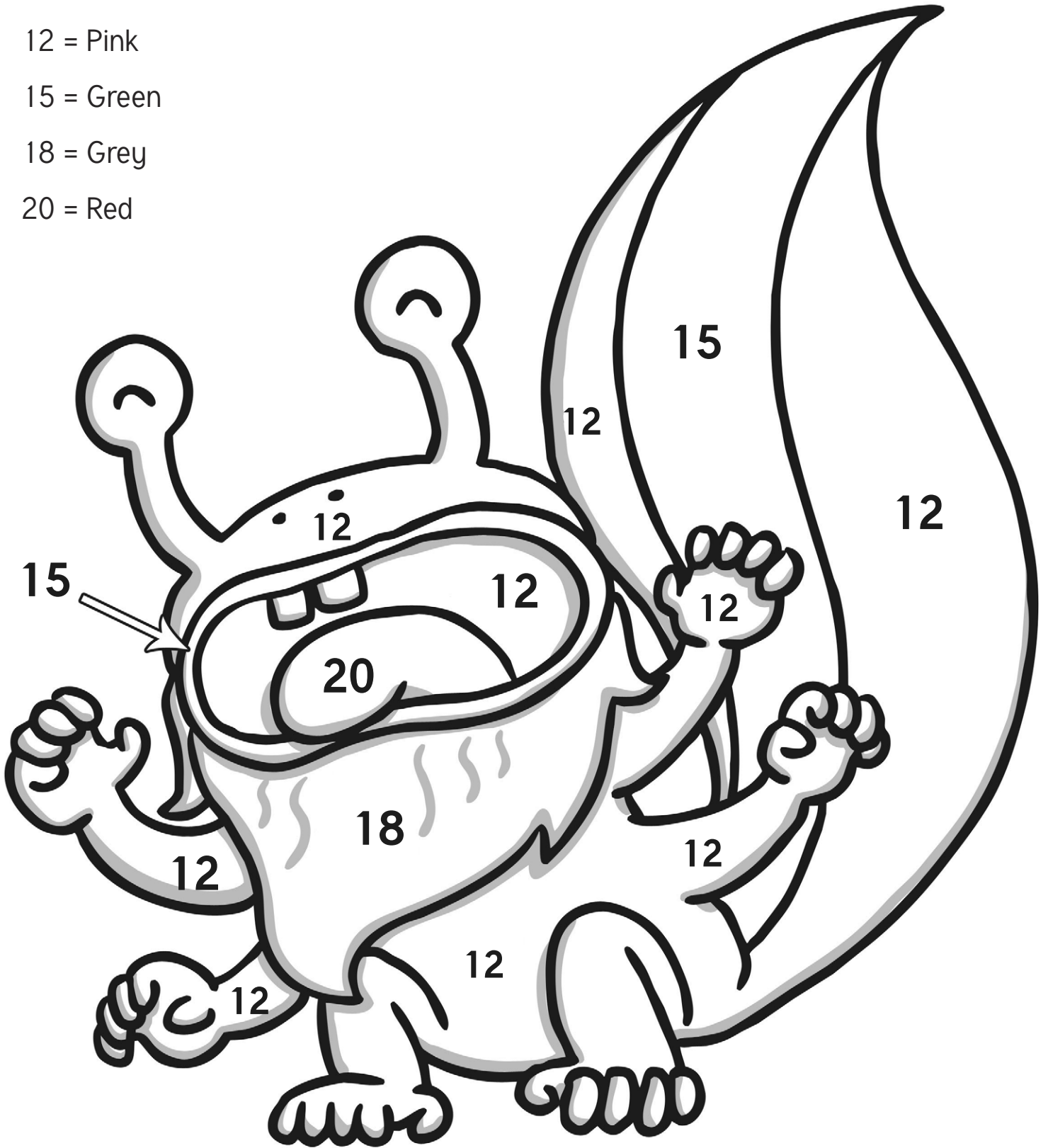
Solve the calculations in the picture to work out what colours they should be!

12 = Pink

15 = Green

18 = Grey

20 = Red



## Addition and Subtraction Facts to 20 – Speed Test: Answers

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$6 + 6 = 12$	$8 - 6 = 2$	$9 - 3 = 6$	$13 - 4 = 9$	$4 - 1 = 3$
$14 + 5 = 19$	$2 + 17 = 19$	$7 - 4 = 3$	$4 + 9 = 13$	$4 - 2 = 2$
$9 - 7 = 2$	$3 + 9 = 12$	$15 - 1 = 14$	$20 - 10 = 10$	$10 - 5 = 5$
$2 + 11 = 13$	$3 + 1 = 4$	$14 - 7 = 7$	$17 + 2 = 19$	$2 + 3 = 5$
$2 + 15 = 17$	$3 - 2 = 1$	$9 + 3 = 12$	$6 + 4 = 10$	$15 - 6 = 9$
$7 - 3 = 4$	$11 + 5 = 16$	$8 - 5 = 3$	$7 + 8 = 15$	$4 + 6 = 10$
$10 + 10 = 20$	$18 - 4 = 14$	$3 + 4 = 7$	$20 - 19 = 1$	$4 + 9 = 13$
$8 - 2 = 6$	$10 + 0 = 10$	$8 + 8 = 16$	$14 + 2 = 16$	$7 - 2 = 5$
$11 + 1 = 12$	$13 - 5 = 8$	$17 - 2 = 15$	$9 - 4 = 5$	$19 + 1 = 20$
$14 - 1 = 13$	$12 - 9 = 3$	$3 + 7 = 10$	$5 + 5 = 10$	$15 - 9 = 6$

## Deriving Facts to 100: Answers

question	answer	
<b>A.</b>		
	To 10	To 100
1	9	90
2	3	30
3	10	100
4	9	90
5	2	20
6	5	50
7	3	30
8	10	100
9	9	90
10	1	10
11	1	10
12	5	50
<b>B.</b>		
1	100	
2	70	
3	20	
4	50	
5	90	
6	80	
7	30	
8	10	
9	100	
10	10	
11	80	
12	50	



## Adding 2-Digit Numbers and Ones Crossing 10: Answers

question	answer			
<b>Sheet 1.</b>				
1	11	21	51	71
2	11	21	41	81
3	14	24	54	104
4	12	22	72	92
5	14	24	64	94
6	13	23	53	83
7	12	22	62	102
8	13	23	63	83
9	15	25	65	105
10	13	23	73	93
<b>Sheet 2.</b>				
1	9	19	39	79
2	14	24	34	74
3	10	20	60	100
4	13	23	53	73
5	7	17	27	67
6	16	26	46	106
7	10	20	50	70
8	12	22	52	72
9	17	27	57	87
10	9	19	69	79

## Subtracting Numbers and Ones from 2-Digit Numbers, Crossing 10: Answers

question	answer			
<b>Sheet 1.</b>				
1	9	19	39	89
2	17	27	37	57
3	4	14	44	84
4	7	17	57	77
5	6	16	36	66
6	13	23	33	93
7	15	35	65	75
8	6	16	36	66
9	13	23	53	73
10	6	16	36	56
<b>Sheet 2.</b>				
1	2	12	22	32
2	4	14	34	64
3	1	11	51	91
4	4	14	64	84
5	6	16	36	56
6	9	19	29	69
7	13	23	33	73
8	5	15	25	45
9	7	17	37	77
10	5	25	45	65

## Adding 2-Digit Numbers and Tens, Not Crossing 100: Answers

question	answer			
<b>Sheet 1.</b>				
1	40	45	47	48
2	50	55	56	59
3	30	36	37	39
4	90	93	94	98
5	80	84	85	88
6	80	85	87	88
7	80	81	84	88
8	90	92	94	98
9	30	31	34	37
10	30	33	36	39

question	answer				
<b>Sheet 2.</b>					
1	84	2	98	3	93
4	75	5	56	6	53
7	82	8	75	9	23
10	66	11	28	12	98
13	82	14	95	15	85
16	36	17	77	18	65
19	34	20	72	21	84
22	44	23	64	24	72

## Adding 2-Digit Numbers Not Crossing 100 – Including Carrying: Answers

$$\begin{array}{r} 1) \quad 35 \\ + 18 \\ \hline \end{array}$$

**53**

**1**

$$\begin{array}{r} 2) \quad 19 \\ + 46 \\ \hline \end{array}$$

**65**

**1**

$$\begin{array}{r} 3) \quad 73 \\ + 19 \\ \hline \end{array}$$

**92**

**1**

$$\begin{array}{r} 4) \quad 55 \\ + 27 \\ \hline \end{array}$$

**82**

**1**

$$\begin{array}{r} 5) \quad 38 \\ + 59 \\ \hline \end{array}$$

**97**

**1**

$$\begin{array}{r} 6) \quad 46 \\ + 28 \\ \hline \end{array}$$

**74**

**1**

$$\begin{array}{r} 7) \quad 55 \\ + 26 \\ \hline \end{array}$$

**81**

**1**

$$\begin{array}{r} 8) \quad 72 \\ + 19 \\ \hline \end{array}$$

**91**

**1**

$$\begin{array}{r} 9) \quad 47 \\ + 29 \\ \hline \end{array}$$

**76**

**1**

$$\begin{array}{r} 10) \quad 29 \\ + 19 \\ \hline \end{array}$$

**48**

**1**

$$\begin{array}{r} 11) \quad 37 \\ + 36 \\ \hline \end{array}$$

**73**

**1**

$$\begin{array}{r} 12) \quad 48 \\ + 18 \\ \hline \end{array}$$

**66**

**1**

$$\begin{array}{r} 13) \quad 42 \\ + 39 \\ \hline \end{array}$$

**81**

**1**

$$\begin{array}{r} 14) \quad 68 \\ + 24 \\ \hline \end{array}$$

**92**

**1**

$$\begin{array}{r} 15) \quad 53 \\ + 38 \\ \hline \end{array}$$

**91**

**1**

$$\begin{array}{r} 16) \quad 76 \\ + 19 \\ \hline \end{array}$$

**95**

**1**

$$\begin{array}{r} 17) \quad 17 \\ + 64 \\ \hline \end{array}$$

**81**

**1**

$$\begin{array}{r} 18) \quad 29 \\ + 56 \\ \hline \end{array}$$

**85**

**1**

$$\begin{array}{r} 19) \quad 17 \\ + 25 \\ \hline \end{array}$$

**42**

**1**

$$\begin{array}{r} 20) \quad 27 \\ + 59 \\ \hline \end{array}$$

**86**

**1**

$$\begin{array}{r} 21) \quad 72 \\ + 18 \\ \hline \end{array}$$

**90**

**1**

$$\begin{array}{r} 22) \quad 56 \\ + 17 \\ \hline \end{array}$$

**73**

**1**

$$\begin{array}{r} 23) \quad 49 \\ + 49 \\ \hline \end{array}$$

**98**

**1**

$$\begin{array}{r} 24) \quad 77 \\ + 18 \\ \hline \end{array}$$

**95**

**1**

## Subtracting Tens from 2-Digit Numbers, Not Crossing 100: Answers

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question	answer			
<b>Sheet 1.</b>				
1	10	20	50	60
2	1	21	31	51
3	27	47	77	87
4	9	29	49	59
5	3	13	33	53
6	2	12	22	32
7	5	15	25	65
8	9	19	29	49
9	17	37	47	87
10	51	61	71	91

## Subtracting Tens and Ones from 2-Digit Numbers, Not Crossing 100: Answers

question	answer				
<b>Sheet 1.</b>					
1	25	2	38	3	34
4	44	5	29	6	9
7	19	8	11	9	23
10	25	11	22	12	26
13	32	14	71	15	21
16	57	17	61	18	9
19	5	20	25	21	18
22	42	23	47	24	48
<b>Sheet 2.</b>					
1	9	2	28	3	27
4	9	5	29	6	65
7	29	8	37	9	37
10	7	11	14	12	19
13	46	14	11	15	16
16	17	17	9	18	52
19	18	20	54	21	26

## Adding Three One-Digit Numbers to 10 Worksheet: Answers

question	answer
<b>Sheet 1.</b>	
1	$4 + 6 + 3 = 13$
2	$5 + 5 + 6 = 16$
3	$7 + 3 + 4 = 14$
4	$8 + 2 + 9 = 19$
5	$1 + 9 + 7 = 17$
6	$7 + 2 + 3 = 12$
7	$6 + 3 + 4 = 13$
8	$3 + 8 + 7 = 18$
9	$5 + 3 + 5 = 13$
10	$2 + 9 + 8 = 19$
11	$5 + 8 + 5 = 18$
12	$5 + 7 + 3 = 15$
13	$4 + 8 + 2 = 14$
14	$9 + 5 + 1 = 15$
15	$8 + 2 + 7 = 17$
16	$7 + 7 + 3 = 17$ (can be either 7)
17	$4 + 8 + 2 = 14$
18	$5 + 5 + 5 = 15$ (can be either 5)
19	$3 + 3 + 7 = 13$ (can be either 3)
20	$8 + 8 + 2 = 18$ (can be either 8)
21	$6 + 4 + 6 = 16$ (can be either 6)
22	$5 + 2 + 5 = 12$
23	$1 + 1 + 9 = 11$ (can be either 1)
24	$7 + 8 + 3 = 18$
25	$5 + 7 + 5 = 17$
26	$6 + 4 + 9 = 19$
27	$7 + 2 + 3 = 12$
28	$6 + 3 + 7 = 16$
29	$7 + 6 + 4 = 17$
30	$9 + 2 + 8 = 19$

## Adding Three One-Digit Numbers - Which 3 numbers: Answers

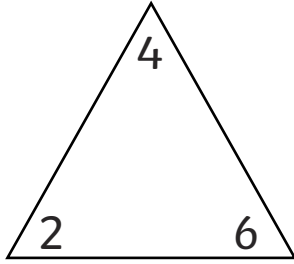
question	answer
<b>Sheet 1.</b>	
1	$4 + 5 + 6$
2	$9 + 1 + 8$
3	$7 + 8 + 1$
4	$8 + 8 + 4$
5	$3 + 4 + 5$
6	$3 + 3 + 4$
7	$7 + 3 + 4$
8	$6 + 5 + 9$
9	$4 + 2 + 1$
10	$5 + 5 + 3$
11	$5 + 4 + 2$
12	$9 + 8 + 5$
13	$5 + 8 + 4$
14	$4 + 4 + 1$
15	$6 + 8 + 9$
16	$2 + 5 + 1$
17	$4 + 6 + 9$
18	$8 + 7 + 9$
19	$4 + 6 + 5$
20	$7 + 4 + 9$
21	$3 + 8 + 1$



## Addition Can Be Done In Any Order - Subtraction Can't: Answers

question	answer	
<b>A.</b>		
1	$3 + 4 = 7$	
2	$2 + 9 = 11$	
3	$4 + 7 + 6 = 17$	
4	$10 + 19 = 29$	
5	$15 + 18 = 33$	
6	$7 + 2 = 9$	
7	$3 + 7 + 6 = 16$	
8	$6 + 5 + 4 + 5 = 20$ (any order)	
9	$20 + 23 = 43$	
10	$24 + 27 = 51$	
<b>B.</b>		
1.	$7 - 4 = 3$ Correct!	$4 - 7 = 3$ Wrong!
2.	$8 - 13 = 5$ Wrong!	$13 - 8 = 5$ Correct!
3.	$10 - 17 = 7$ Wrong!	$17 - 10 = 7$ Correct!
4.	$1 - 99 = 98$ Wrong!	$99 - 1 = 98$ Correct!
5.	$21 - 18 = 3$ Correct!	$18 - 21 = 3$ Wrong!
6.	$12 - 5 = 7$ Correct!	$5 - 12 = 7$ Wrong!
7.	$30 - 18 = 12$ Correct!	$18 - 30 = 12$ Wrong!
8.	$30 - 40 = 10$ Wrong!	$40 - 30 = 10$ Correct!
9.	$8 - 4 - 2 = 2$ Correct!	$4 - 8 - 2 = 2$ Wrong!
10.	$43 - 17 = 26$ Correct!	$17 - 43 = 26$ Wrong!

# Number Family Worksheet 1 - Answers

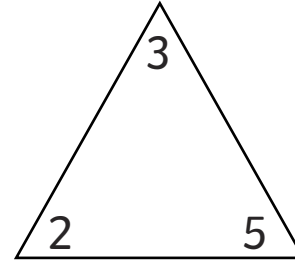


$$2 + 4 = 6$$

$$4 + 2 = 6$$

$$6 - 2 = 4$$

$$6 - 4 = 2$$

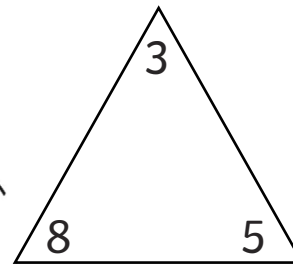
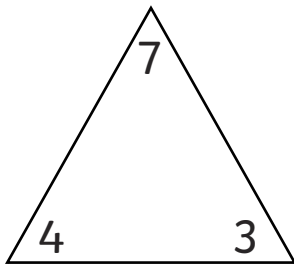


$$2 + 3 = 5$$

$$3 + 2 = 5$$

$$5 - 2 = 3$$

$$5 - 3 = 2$$



$$4 + 3 = 7$$

$$3 + 4 = 7$$

$$7 - 4 = 3$$

$$7 - 3 = 4$$

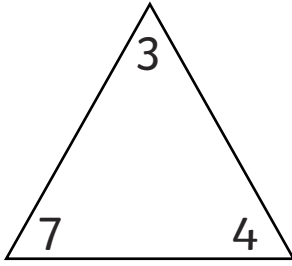
$$3 + 5 = 8$$

$$5 + 3 = 8$$

$$8 - 3 = 5$$

$$8 - 5 = 3$$

# Number Family Worksheet 2 - Answers

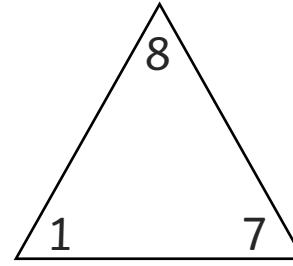


$$3 + 4 = 7$$

$$4 + 3 = 7$$

$$7 - 3 = 4$$

$$7 - 4 = 3$$

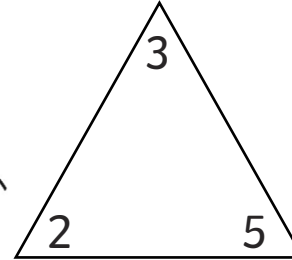
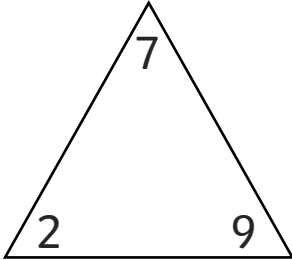


$$1 + 7 = 8$$

$$7 + 1 = 8$$

$$8 - 1 = 7$$

$$8 - 7 = 1$$



$$7 + 2 = 9$$

$$2 + 7 = 9$$

$$9 - 2 = 7$$

$$9 - 7 = 2$$

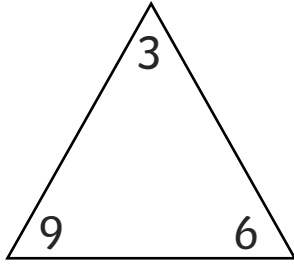
$$3 + 2 = 5$$

$$2 + 3 = 5$$

$$5 - 3 = 2$$

$$5 - 2 = 3$$

# Number Family Worksheet 3 - Answers

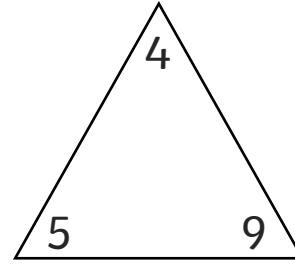


$$3 + 6 = 9$$

$$6 + 3 = 9$$

$$9 - 3 = 6$$

$$9 - 6 = 3$$

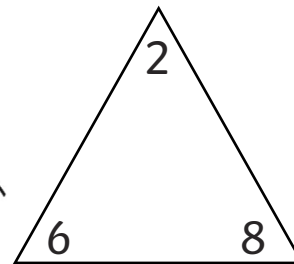
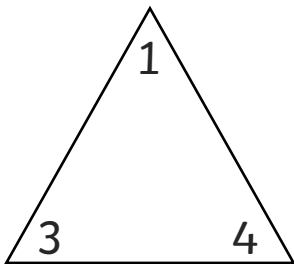


$$5 + 4 = 9$$

$$4 + 5 = 9$$

$$9 - 5 = 4$$

$$9 - 4 = 5$$



$$1 + 3 = 4$$

$$3 + 1 = 4$$

$$4 - 1 = 3$$

$$4 - 3 = 1$$

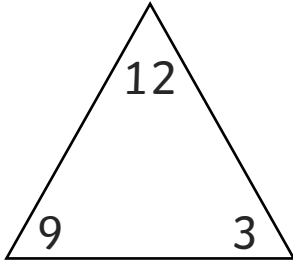
$$2 + 6 = 8$$

$$6 + 2 = 8$$

$$8 - 2 = 6$$

$$8 - 6 = 2$$

# Number Family Worksheet 4 - Answers

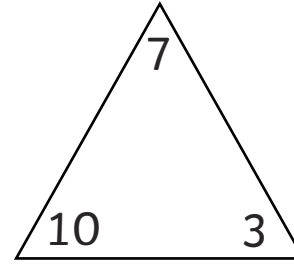


$$9 + 3 = 12$$

$$3 + 9 = 12$$

$$12 - 9 = 3$$

$$12 - 3 = 9$$

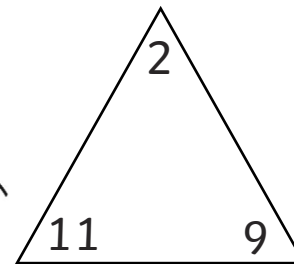
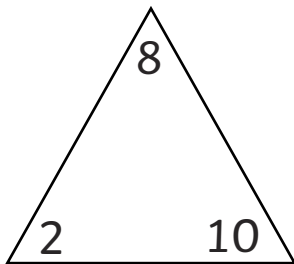


$$7 + 3 = 10$$

$$3 + 7 = 10$$

$$10 - 7 = 3$$

$$10 - 3 = 7$$



$$8 + 2 = 10$$

$$2 + 8 = 10$$

$$10 - 8 = 2$$

$$10 - 2 = 8$$

$$9 + 2 = 11$$

$$2 + 9 = 11$$

$$11 - 2 = 9$$

$$11 - 9 = 2$$

## Using Inverse Operations to Check: Answers

---

question	answer
<b>A.</b>	
1	<b>36</b> - Wrong
2	<b>36</b> - Wrong
3	<b>25</b> - Correct
4	<b>16</b> - Wrong
5	<b>47</b> - Correct
6	<b>8</b> - Wrong
7	<b>6</b> - Correct
8	<b>19</b> - Correct
9	<b>9</b> - Wrong
10	<b>7</b> - Correct
<b>B.</b>	
1	<b>45</b> - Correct
2	<b>23</b> - Wrong
3	<b>35</b> - Wrong
4	<b>18</b> - Wrong
5	<b>31</b> - Correct
6	<b>33</b> - Wrong
7	<b>44</b> - Wrong
8	<b>51</b> - Correct
9	<b>61</b> - Wrong
10	<b>17</b> - Correct