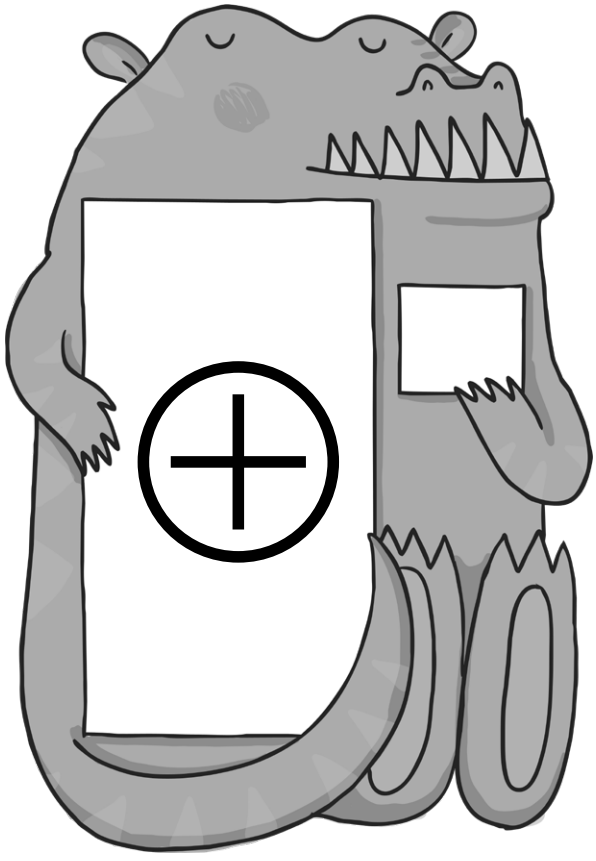
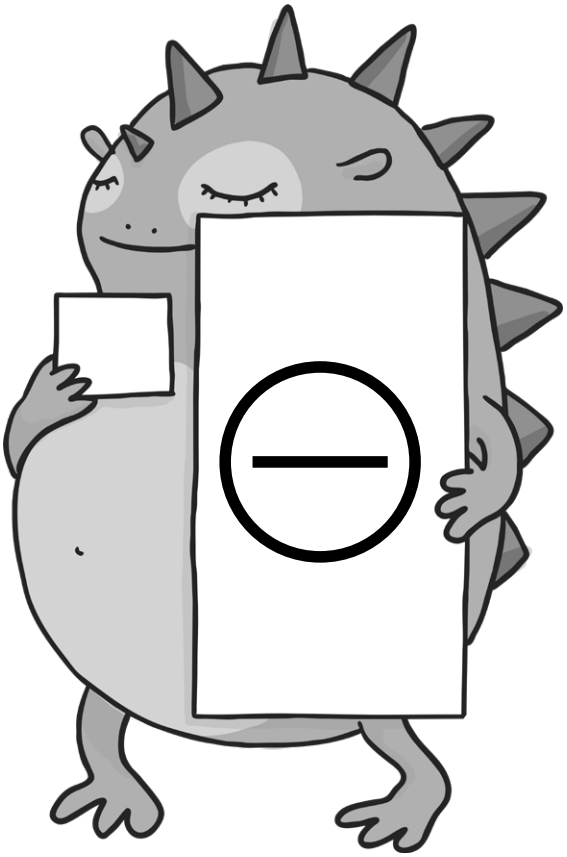
# Year 2 Maths Addition and Subtraction Workbook - Answers





# 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.<br>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

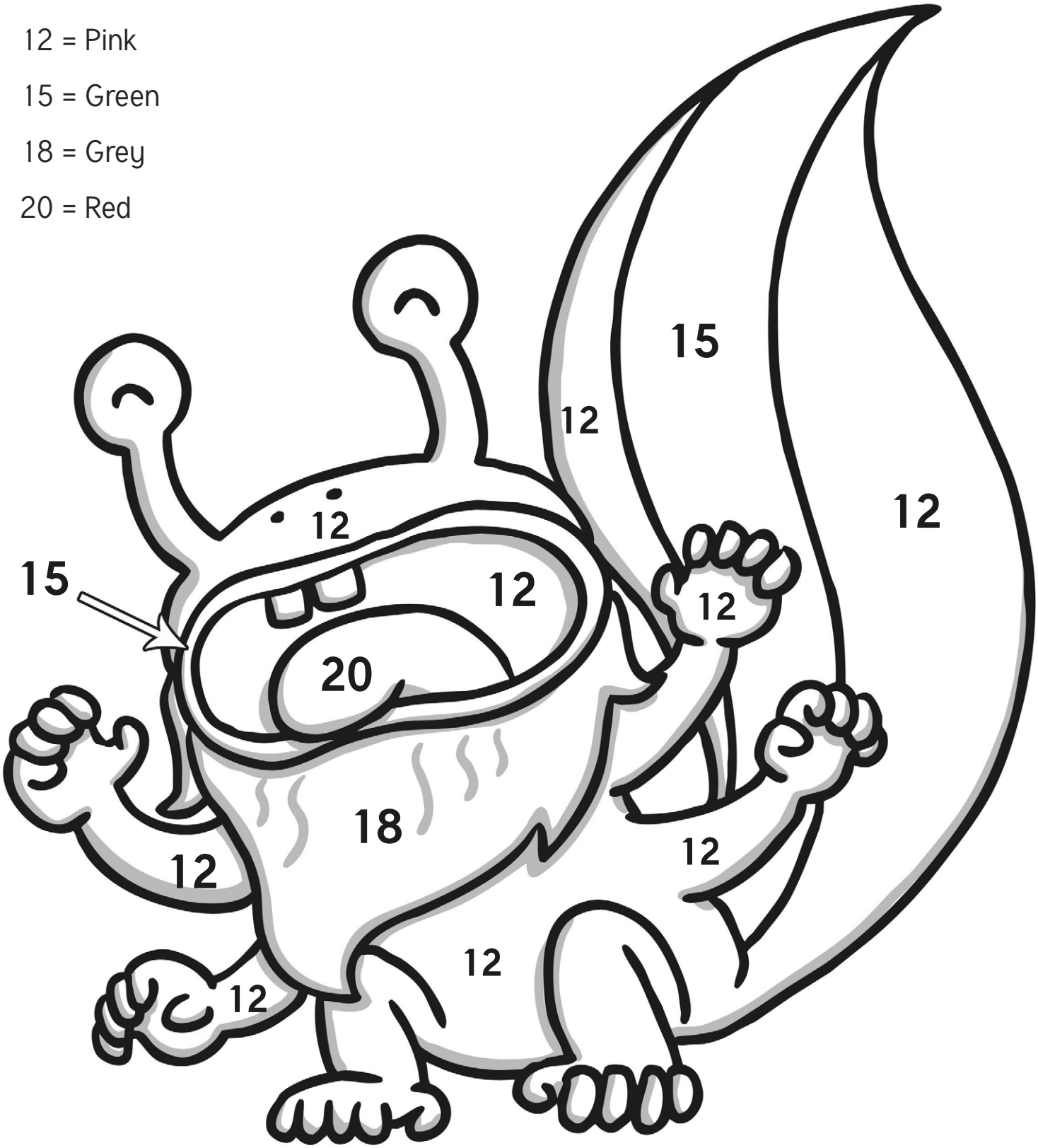
**Solve the calculations in the picture to work out what colours they should be!**

12 = Pink

15 = Green

18 = Grey

20 = Red



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

| | | | | |
|---|---|---|---|---|
| 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 | |
|---|---|---|
| **A.** | | |
| | **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.** | | |
| 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 | | | |
|---|---|---|---|---|
| **Sheet 1.** | | | | |
| 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** |
| **Sheet 2.** | | | | |
| 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 | | | |
|---|---|---|---|---|
| **Sheet 1.** | | | | |
| 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** |
| **Sheet 2.** | | | | |
| 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 | | | |
|---|---|---|---|---|
| **Sheet 1.** | | | | |
| 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 | | | | |
|---|---|---|---|---|---|
| **Sheet 2.** | | | | | |
| 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

1) 35 + 18 = **53** (**1**)

2) 19 + 46 = **65** (**1**)

3) 73 + 19 = **92** (**1**)

4) 55 + 27 = **82** (**1**)

5) 38 + 59 = **97** (**1**)

6) 46 + 28 = **74** (**1**)

7) 55 + 26 = **81** (**1**)

8) 72 + 19 = **91** (**1**)

9) 47 + 29 = **76** (**1**)

10) 29 + 19 = **48** (**1**)

11) 37 + 36 = **73** (**1**)

12) 48 + 18 = **66** (**1**)

13) 42 + 39 = **81** (**1**)

14) 68 + 24 = **92** (**1**)

15) 53 + 38 = **91** (**1**)

16) 76 + 19 = **95** (**1**)

17) 17 + 64 = **81** (**1**)

18) 29 + 56 = **85** (**1**)

19) 17 + 25 = **42** (**1**)

20) 27 + 59 = **86** (**1**)

21) 72 + 18 = **90** (**1**)

22) 56 + 17 = **73** (**1**)

23) 49 + 49 = **98** (**1**)

24) 77 + 18 = **95** (**1**)

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

| question | answer | | | |
|---|---|---|---|---|
| **Sheet 1.** | | | | |
| 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 | | | | |
|---|---|---|---|---|---|
| **Sheet 1.** | | | | | |
| 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** |
| **Sheet 2.** | | | | | |
| 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 |
|---|---|
| **Sheet 1.** | |
| 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** |

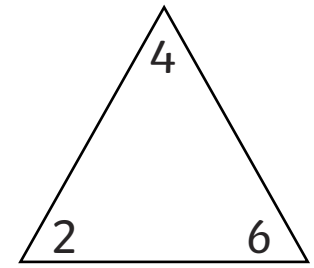
# Adding Three One-Digit Numbers – Which 3 numbers: Answers

| question | answer |
|---|---|
| **Sheet 1.** | |
| 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** |

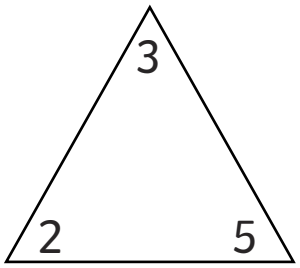
# Addition Can Be Done In Any Order - Subtraction Can't: Answers

| question | answer | |
|---|---|---|
| **A.** | | |
| 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.** | | |
| 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!** |

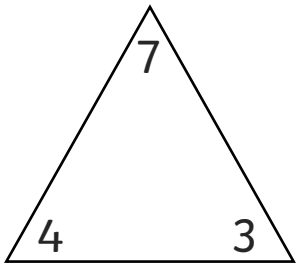
# Number Family Worksheet 1 – Answers

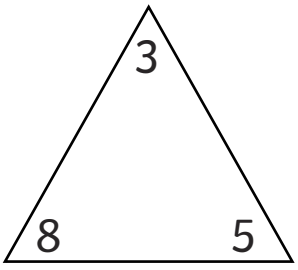



| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | + | 4 | = | 6 | | |
| 4 | + | 2 | = | 6 | | |
| 6 | - | 2 | = | 4 | | |
| 6 | - | 4 | = | 2 | | |




| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | + | 3 | = | 5 | | |
| 3 | + | 2 | = | 5 | | |
| 5 | - | 2 | = | 3 | | |
| 5 | - | 3 | = | 2 | | |

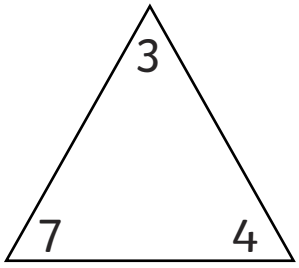


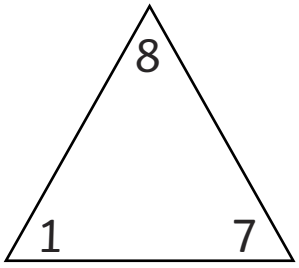

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 | + | 3 | = | 7 | | |
| 3 | + | 4 | = | 7 | | |
| 7 | - | 4 | = | 3 | | |
| 7 | - | 3 | = | 4 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 3 | + | 5 | = | 8 | | |
| 5 | + | 3 | = | 8 | | |
| 8 | - | 3 | = | 5 | | |
| 8 | - | 5 | = | 3 | | |

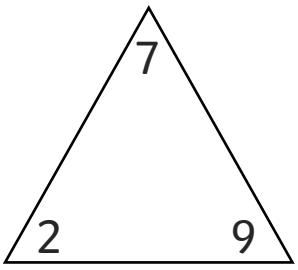
# Number Family Worksheet 2 – Answers

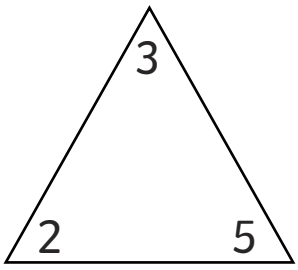



| | | | | | | |
|---|---|---|---|---|---|---|
| 3 | + | 4 | = | 7 |
| 4 | + | 3 | = | 7 |
| 7 | - | 3 | = | 4 |
| 7 | - | 4 | = | 3 |




| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | + | 7 | = | 8 |
| 7 | + | 1 | = | 8 |
| 8 | - | 1 | = | 7 |
| 8 | - | 7 | = | 1 |

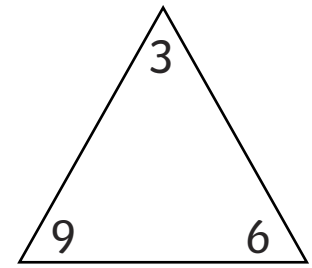


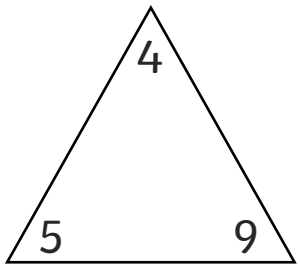

| | | | | | | |
|---|---|---|---|---|---|---|
| 7 | + | 2 | = | 9 |
| 2 | + | 7 | = | 9 |
| 9 | - | 2 | = | 7 |
| 9 | - | 7 | = | 2 |

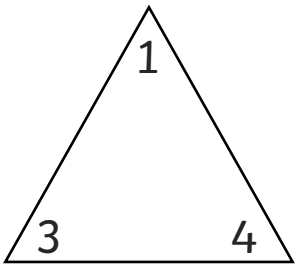
| | | | | | | |
|---|---|---|---|---|---|---|
| 3 | + | 2 | = | 5 |
| 2 | + | 3 | = | 5 |
| 5 | - | 3 | = | 2 |
| 5 | - | 2 | = | 3 |

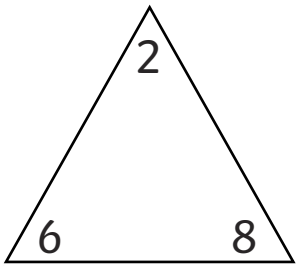
# Number Family Worksheet 3 – Answers




| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 3 | + | 6 | = | 9 | 5 | + | 4 | = | 9 |
| 6 | + | 3 | = | 9 | 4 | + | 5 | = | 9 |
| 9 | - | 3 | = | 6 | 9 | - | 5 | = | 4 |
| 9 | - | 6 | = | 3 | 9 | - | 4 | = | 5 |

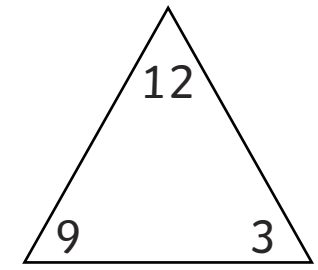


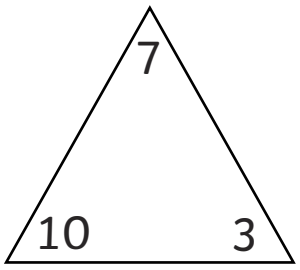




| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | + | 3 | = | 4 | 2 | + | 6 | = | 8 |
| 3 | + | 1 | = | 4 | 6 | + | 2 | = | 8 |
| 4 | - | 1 | = | 3 | 8 | - | 2 | = | 6 |
| 4 | - | 3 | = | 1 | 8 | - | 6 | = | 2 |

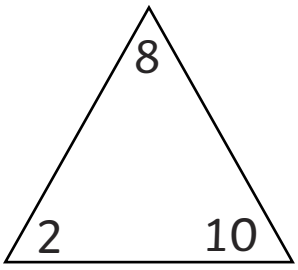
# Number Family Worksheet 4 – Answers

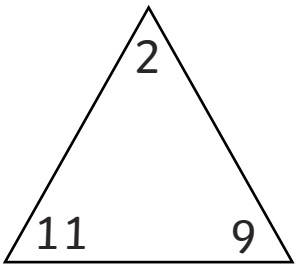



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 9 | + | 3 | = | 12 |
| 3 | + | 9 | = | 12 |
| 12 | – | 9 | = | 3 |
| 12 | – | 3 | = | 9 |




| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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 |
|---|---|
| **A.** | |
| 1 | **36** - Wrong |
| 2 | **36** - Wrong |
| 3 | **25** - Correct |
| 4 | **16** - Wrong |
| 5 | **47** - Correct |
| 6 | **8** - Wrong |
| 7 | **6** - Correct |
| 8 | **19** - Correct |
| 9 | **9** - Wrong |
| 10 | **7** - Correct |
| **B.** | |
| 1 | **45** - Correct |
| 2 | **23** - Wrong |
| 3 | **35** - Wrong |
| 4 | **18** - Wrong |
| 5 | **31** - Correct |
| 6 | **33** - Wrong |
| 7 | **44** - Wrong |
| 8 | **51** - Correct |
| 9 | **61** - Wrong |
| 10 | **17** - Correct |