GRADE 4

# Subtraction

## WORKSHEETS

Mathletics

love learning.

# Subtraction mental strategies

Knowing one addition fact means you also know two related subtraction facts.
Because 7 + 3 = 10 you know that 10 – 7 = 3 and 10 – 3 = 7.

**1** **Make a group of facts for each pair of numbers. The first one has been done for you.**

**a**

| 15 | 35 |
|---|---|
| 15 + 35 = 50 | |
| 50 – 15 = 35 | |
| 50 – 35 = 15 | |

**b**

| 45 | 55 |
|---|---|
| | |
| | |
| | |

**c**

| 73 | 27 |
|---|---|
| | |
| | |
| | |

**d**

| 105 | 15 |
|---|---|
| | |
| | |
| | |

**e**

| 120 | 10 |
|---|---|
| | |
| | |
| | |

**f**

| 135 | 10 |
|---|---|
| | |
| | |
| | |

**2** **Complete each number trail:**

**a** 150 $\xrightarrow{+\,10}$ ☐ $\xrightarrow{-\,15}$ ☐ $\xrightarrow{+\,50}$ ☐ $\xrightarrow{+\,30}$ ○

**b** 200 $\xrightarrow{-\,50}$ ☐ $\xrightarrow{+\,25}$ ☐ $\xrightarrow{-\,30}$ ☐ $\xrightarrow{+\,55}$ ○

**c** 99 $\xrightarrow{+\,11}$ ☐ $\xrightarrow{+\,50}$ ☐ $\xrightarrow{+\,50}$ ☐ $\xrightarrow{-\,20}$ ○

**d** 76 $\xrightarrow{+\,24}$ ☐ $\xrightarrow{+\,35}$ ☐ $\xrightarrow{+\,15}$ ☐ $\xrightarrow{-\,25}$ ○

Copyright © 3P Learning

# Subtraction mental strategies – subtraction strategy review

Look for patterns: 6 – 2 = 4 so 60 – 20 = 40 and 600 – 200 = 400

72 – 9 = 63 so 62 – 9 = 53 and 52 – 9 = 43

Count: When numbers are close together, you can count up to find the difference.

Complements: 35 + 65 = 100 so 100 – 35 = 65

12 + 8 = 20 so 20 – 8 = 12

Near doubles: See: 15 – 7 Think: (14 – 7) + 1

**1** **This hundred grid makes it easier to see subtraction patterns. Use it to complete the sets.**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 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 |

| Set 1 | | | | | Set 2 | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 17 | – | 9 | = | | 21 | – | 6 | = | |
| 27 | – | 9 | = | | 31 | – | 6 | = | |
| 37 | – | 9 | = | | 41 | – | 6 | = | |
| 47 | – | 9 | = | | 51 | – | 6 | = | |
| 57 | – | 9 | = | | 61 | – | 6 | = | |
| 67 | – | 9 | = | | 71 | – | 6 | = | |

**2** **Extend these subtractions according to the patterns:**

| | | | |
|---|---|---|---|
| **a** | 9 – 6 = | 90 – 60 = | 900 – 600 = |
| **b** | 14 – 8 = | 140 – 80 = | 1,400 – 800 = |
| **c** | 24 – 14 = | | |
| **d** | 69 – 32 = | | |

Copyright © 3P Learning

# Subtraction mental strategies – subtraction strategy review

**3** **Use counting up to complete these:**

**a** 32 – 29 = ☐ **b** 33 – 28 = ☐ **c** 34 – 27 = ☐

**d** 71 – 68 = ☐ **e** 82 – 76 = ☐ **f** 73 – 69 = ☐

**g** 83 – 77 = ☐ **h** 112 – 109 = ☐ **i** 201 – 196 = ☐

**4** **Complete these function tables using counting up:**

**a**

| In | Rule | Out |
|---|---|---|
| 120 | – 118 | |
| 123 | | |
| 126 | | |
| 124 | | |

**b**

| In | Rule | Out |
|---|---|---|
| 102 | – 96 | |
| 104 | | |
| 108 | | |
| 101 | | |

**c**

| In | Rule | Out |
|---|---|---|
| 87 | – 78 | |
| 81 | | |
| 85 | | |
| 83 | | |

**5** **Complete this cross number puzzle. Using complements to 100 will help.**

**Across**

**1** 100 – 80 = ☐
**2** 100 – 89 = ☐
**3** 100 – 5 = ☐
**4** 100 – 28 = ☐
**5** 100 – 22 = ☐
**7** 100 – 64 = ☐
**8** 100 – 49 = ☐
**9** 100 – 61 = ☐
**10** 100 – 52 = ☐
**11** 100 – 66 = ☐
**12** 100 – 75 = ☐

**Down**

**1** 100 – 78 = ☐
**2** 100 – 88 = ☐
**3** 100 – 2 = ☐
**4** 100 – 24 = ☐
**5** 100 – 29 = ☐
**6** 100 – 11 = ☐
**7** 100 – 62 = ☐
**8** 100 – 46 = ☐
**9** 100 – 65 = ☐

Copyright © 3P Learning

**6** **Use your knowledge of doubles and near doubles to complete these subtraction tables. The first one in each has been done for you.**

**a**

| See | Think |
|---|---|
| 19 – 9 = ☐ | (18 – 9) + 1 |
| 201 – 100 = ☐ | |
| 141 – 70 = ☐ | |
| 71 – 35 = ☐ | |

**b**

| See | Think |
|---|---|
| 15 – 8 = ☐ | (16 – 8) – 1 |
| 31 – 16 = ☐ | |
| 99 – 50 = ☐ | |
| 87 – 44 = ☐ | |

**c**

| See | Think |
|---|---|
| 26 – 12 = ☐ | (24 – 12) + 2 |
| 52 – 25 = ☐ | |
| 68 – 33 = ☐ | |
| 104 – 51 = ☐ | |

**d**

| See | Think |
|---|---|
| 24 – 13 = ☐ | (26 – 13) – 2 |
| 48 – 25 = ☐ | |
| 70 – 36 = ☐ | |
| 78 – 40 = ☐ | |

**7** **Complete this near double web, which is based on the subtraction double in the center. Start in the center and work clockwise:**

101 – 50 = ☐

99 – 49 = ☐

100 – 49 = ☐

99 – 51 = ☐

**100 – 50 =** ☐

100 – 51 = ☐

98 – 50 = ☐

99 – 50 = ☐

97 – 50 = ☐

Copyright © 3P Learning

# Subtraction mental strategies – jump strategy

When we subtract, we can use the jump strategy to help us. Look at 99 – 42:

**1** First we jump back by the tens.

**2** Then we jump back by the ones.

**99 – 42 = 57**

**1** **Solve these using the jump strategy:**

**a** 125 – 42 = ☐

.....

**b** 168 – 36 = ☐

.....

**c** 335 – 54 = ☐

.....

**d** 245 – 45 = ☐

Copyright © 3P Learning

# Subtraction mental strategies – jump strategy

**2** **It's inventory time at the candy store. Use the jump strategy to work out how many of each type of candy has been sold.**

| Candy | Started with | Amount left | Sold |
|---|---|---|---|
| Cinnamon drops | 254 | 45 | |
| Caramel melts | 186 | 58 | |
| Milk bottles | 145 | 65 | |
| Chocolate buds | 165 | 34 | |

**a** Cinnamon drops

☐ – ☐ = ☐

**b** Caramel melts

☐ – ☐ = ☐

**c** Milk bottles

☐ – ☐ = ☐

**d** Chocolate buds

☐ – ☐ = ☐

Copyright © 3P Learning

# Subtraction mental strategies – split strategy

When subtracting large numbers in our heads, it can be easier to split the number to be subtracted into parts and work with each part separately.

255 – 132 → 100, 30, 2 → 255 – 100 = 155 → 155 – 30 = 125 → 125 – 2 = 123

**255 – 132 = 123**

**1** **Practice splitting numbers into hundreds, tens, and ones:**

**a** 482 ☐ ☐ ☐

**b** 675 ☐ ☐ ☐

**c** 732 ☐ ☐ ☐

**d** 834 ☐ ☐ ☐

**2** **Complete these subtraction trails:**

**a** 768 → (– 200) → ☐ → (– 20) → ☐ → (– 300) → ☐ → (– 10) → ○

**b** 463 → (– 100) → ☐ → (– 50) → ☐ → (– 20) → ☐ → (– 50) → ○

**3** **Use the split strategy with these problems:**

**a** 456 – 212 ☐ ☐ ☐

456 – 200 = _____

_____ – 10 = _____

_____ – 2 = _____

So, 456 – 212 = _____

**b** 378 – 165 ☐ ☐ ☐

378 – 100 = _____

_____ – 60 = _____

_____ – 5 = _____

So, 378 – 165 = _____

Copyright © 3P Learning

# Subtraction mental strategies – split strategy

**4** **Try these subtractions with the split strategy:**

**a** 479 – 45 = _____

So, 479 – 45 = _____

**b** 834 – 21 = _____

So, 834 – 21 = _____

**c** 637 – 312 = _____

So, 637 – 312 = _____

**d** 567 – 232 = _____

So, 567 – 232 = _____

**5** **Solve these pyramid puzzles using any strategy you like. The two bricks add to support the number on top. For example, in puzzle a, 22 + 23 = 45.**

**a**

**b**

**c**

**d**

Copyright © 3P Learning

# Subtraction mental strategies – compensation strategy

Sometimes we round one number in the problem to make it easier to do in our heads. Then we adjust our answer to compensate:

125 – 49 = 76

125 – 50 + 1

75 + 1 = 76

*I rounded up by 1, which means I subtracted 1 extra, so we need to add 1 back.*

**1** **Round these numbers to the closest ten. Then show how you rounded by subtracting or adding the difference. The first one has been done for you.**

**a** 78 = 80 – 2 **b** 59 = _____ **c** 62 = _____

**d** 23 = _____ **e** 87 = _____ **f** 99 = _____

**g** 103 = _____ **h** 21 = _____ **i** 88 = _____

**2** **Solve these subtraction problems using compensation. Show your work.**

**a** 136 – 29 = ☐

136 – 30 + 1

_____ ◯ = _____

**b** 145 – 38 = ☐

145 – 40 + 2

_____ ◯ = _____

**c** 156 – 39 = ☐

156 – ____ ◯

_____ ◯ = _____

**d** 184 – 48 = ☐

184 – ____ ◯

_____ ◯ = _____

*Continued on page 10.*

# Subtraction mental strategies – compensation strategy

**2** **Solve these subtraction problems using compensation. Show your work.**

**e** 145 – 29 = ☐

145 – 30 ◯

_____ ◯ = _____

**f** 176 – 69 = ☐

_____ ◯

_____ ◯ = _____

**g** 365 – 42 = ☐

_____ ◯

_____ ◯ = _____

**h** 250 – 32 = ☐

_____ ◯

_____ ◯ = _____

**3** **Answer these subtraction problems to solve the riddle below:**

**What swirls, loops, and circles on your fingertips, yet never moves?**

**a** 65 – 29 = F

**b** 145 – 32 = U

**c** 175 – 61 = E

**d** 86 – 59 = O

**e** 180 – 48 = I

**f** 150 – 32 = N

**g** 96 – 42 = R

**h** 75 – 33 = G

**i** 155 – 49 = Y

**j** 166 – 55 = P

**k** 185 – 19 = T

**l** 370 – 28 = S

| | | | |
|---|---|---|---|
| | | | |
| 106 | 27 | 113 | 54 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| 36 | 132 | 118 | 42 | 114 | 54 | 111 | 54 | 132 | 118 | 166 | 342 |

Copyright © 3P Learning

# Applying strategies – subtraction

**1** **Choose a mental strategy and solve these problems. Enter your answers into the crossnumber puzzle:**

**Across**

**1** 188 – 35 = ☐

**4** 90 – 17 = ☐

**6** 53 – 15 = ☐

**7** 63 – 49 = ☐

**Down**

**2** 94 – 37 = ☐

**3** 48 – 15 = ☐

**5** 72 – 24 = ☐

**6** 88 – 56 = ☐

**2** **Show 2 different ways of solving this problem.**

**503 – 251**

**3** **Solve these subtraction problems using a mental strategy:**

**a** Mariah has $436 saved. She buys a new MP3 player costing $127. How much money does she have left after the purchase?

**b** Unfortunately, Mariah loses her 4th school jacket for the year. Her mom refuses to pay for another and Mariah has to cover the cost of $52 herself. How much of her savings does she now have left?

Copyright © 3P Learning

# Applying strategies – choosing when to add or subtract

Sometimes we come across problems that require us to both add and subtract or to choose which one to use. Understanding key language terms can help with this decision.

**1** **Below are some terms you come across in addition and subtraction word problems. Color any terms that ask you to add in red. Color any terms that ask you to subtract in green.**

Find the difference between …

What is the total?

minus

Who has less?

How many altogether?

Who has more?

Find the difference between …

How many more … than …?

… plus …

**2** **Stef and Marly's parents give each of them $10 allowance each week. They must use some of it to buy their lunch from the school cafeteria every Friday.**

**a** If they both save the allowance left over from buying Friday lunches, who will have saved the most by the end of four weeks? Use this cafeteria price list and the tables below. Decide when you need to add and when you need to subtract.

**School Cafeteria Price List**

| | |
|---|---|
| Ham sandwich | $3.40 |
| Ham, cheese, and tomato sandwich | $3.50 |
| Grilled cheese sandwich | $3.20 |
| Grilled ham, cheese, and tomato sandwich | $3.60 |

| | |
|---|---|
| Hot dog | $3.60 |
| Egg roll | $2.20 |
| Pizza slice | $2.80 |
| Duck sauce or parmesan cheese | $0.30 |

| Week | 1 | 2 | 3 | 4 | Total |
|---|---|---|---|---|---|
| Stef's lunches | Hot dog | Pizza slice with parmesan cheese | Two grilled cheese sandwiches | Egg roll with duck sauce | |
| Saved | | | | | |
| | | | | | |
| Marly's lunches | Egg roll with duck sauce | Grilled cheese sandwich | Grilled ham, cheese, and tomato sandwich | Two ham sandwiches | |
| Saved | | | | | |

**b** Who saved the most money? ☐

**c** What was the difference? ☐

Copyright © 3P Learning

# Applying strategies – addition and subtraction

**1** **In this activity, you will follow the steps to solve this riddle:**

**Step 1:** Solve these problems using a mental strategy:

| | | | | |
|---|---|---|---|---|
| 579 + 35 = | 462 + 10 = | 247 + 30 = | 686 + 40 = | 116 + 20 = |
| ♥ | * | 💣 | ☺ | ★ |

**Step 2:** Solve these problems using a mental strategy:

| | | | | |
|---|---|---|---|---|
| 500 – 28 = | 320 – 43 = | 900 – 174 = | 500 – 364 = | 700 – 86 = |
| E | R | D | S | A |

**Step 3:** Match the letters and symbols that have the same answer from Step 1 and 2. Write the letters in the grid below to solve the riddle:

| | | | | | | |
|---|---|---|---|---|---|---|
| ♥ | ☺ | ☺ | 💣 | * | ★ | ★ |
| | | | | | | |

What item of clothing does a house wear? _____

**2** **Fill in the missing numbers on these pyramids. The numbers below must add to the number directly above:**

**a**

**b**

**c**

# Written methods – adding and subtracting

**Use addition, subtraction, or a combination of both to solve these word problems.**

1. **At the 2006 Census, Australia's population consisted of 9,799,252 males and 10,056,036 females. What was the total population? How many more females than males were there?**

2. **Archie, Molly, and Matilda have a combined weight of 380 lb. If Archie weighs 132 lb and Molly weighs 5.5 lb less than him, how much does Matilda weigh? Mom weighs 138.5 lb and Dad's weight is Archie's and Matilda's combined. What is the weight of the whole family?**

3. **Mars is 140,200,000 mi from the sun and earth is 92,500,000 mi from the sun. What is the difference between these distances?**

Copyright © 3P Learning

# Written methods – adding and subtracting

**Use addition, subtraction, or a combination of both to solve these word problems.**

4 **Harry used his old building blocks to build a staircase. He used 78 blocks on the bottom row. He then used 13 fewer blocks every time in each row after that. How many blocks had he used by the time he had built 6 rows?**

5 **Finn and Adam were given the same amount of money for their birthdays. When they went shopping together, Finn found a CD that he liked but it cost $18.75, which was more money than he had. Adam lent him his money as well. When he paid, Finn received $13.25 in change, which he gave back to Adam. How much money had they each received for their birthdays? How much does he still owe Adam?**

Copyright © 3P Learning

# Written methods – subtraction

**1** **Complete the subtraction problems:**

**a**

e:

| | Th | H | T | O |
|---|---|---|---|---|
| | 4 | 9 | 8 | 2 |
| – | | 1 | 5 | 3 |
| | | | | |

**b**

e:

| | Th | H | T | O |
|---|---|---|---|---|
| | 2 | 9 | 5 | 1 |
| – | | 8 | 7 | 8 |
| | | | | |

**c**

e:

| | Th | H | T | O |
|---|---|---|---|---|
| | 3 | 8 | 7 | 2 |
| – | | 5 | 8 | 6 |
| | | | | |

When a problem asks us to find the difference, we subtract. We always start with the larger number.

**2** **Solve these problems to find the difference:**

**a** How far from Showtown to Ringer?

| | Th | H | T | O |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

**b** What is the distance from Normanville to Tidings?

| | Th | H | T | O |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

**c** What is the distance from Roper to Eagle Bay?

| | Th | H | T | O |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

**d** How far from Normanville to Ace Bay?

| | Th | H | T | O |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

Copyright © 3P Learning

# Written methods – subtraction

**3** **The answer is 42. What could the missing numbers be? Come up with 5 possibilities:**

| | H | T | O |
|---|---|---|---|
| a | | | |
| – | | | |
| | | 4 | 2 |

| | H | T | O |
|---|---|---|---|
| b | | | |
| – | | | |
| | | 4 | 2 |

| | H | T | O |
|---|---|---|---|
| c | | | |
| – | | | |
| | | 4 | 2 |

| | H | T | O |
|---|---|---|---|
| d | | | |
| – | | | |
| | | 4 | 2 |

| | H | T | O |
|---|---|---|---|
| e | | | |
| – | | | |
| | | 4 | 2 |

**4** **Solve these subtraction problems. First estimate the answers:**

a e: _____
6 2 1
– 8 2
_____

b e: _____
8 9 7
– 8 9
_____

c e: _____
4 2 1 8
– 3 7 5
_____

d e: _____
5 9 1 6
– 7 2 8
_____

e e: _____
5 4 1 1
– 3 4 6 1
_____

f e: _____
8 4 8 0
– 2 0 9 3
_____

g e: _____
3 2 1 6 3
– 3 2 1 6
_____

h e: _____
9 8 7 6 2
– 1 1 3 9 6
_____

**5** **The Mathletics writers have gone on strike until their demands for regular facials and overseas trips are met. You will have to design 4 of your own subtraction problems and then get a friend to answer them. The challenge is to make them interesting but not too hard.**

a e: _____
–
_____

b e: _____
–
_____

c e: _____
–
_____

d e: _____
–
_____

**6** **You are working hard to convince your parents that an overseas trip would be a far better idea than the usual 2 week camping vacation with Aunty Mabel and Uncle Bob. They are open to the idea as there are only so many campfire sing-alongs run by Big Bob that they can take. "Kumbayah" anyone? They have asked you to find the answers to the following questions. Make sure you show your work:**

***Vacation Destinations***

7 days in Fiji ..... $2,825 per family
9 days in New Zealand.. $1,834 per family
5 days in Bali..... $5,793 per family
7 days in England..... $7,447 per family
5 days in Hong Kong ..... $4,263 per family

**a** How much cheaper is a week in Fiji than a week in England?

**b** How much more expensive is 5 days in Bali than 9 days in New Zealand?

**c** How much would a family save if they decided to go to Hong Kong for 5 days instead of Bali for 5 days?

**d** How much less would you spend if you went to New Zealand instead of England?

**7** **Given the choice, would you solve the problem 5,000 – 1,599 using a written strategy or a mental strategy? Explain why:**

Copyright © 3P Learning

# Written methods – 3 digit subtraction with regrouping

**1** **Subtract these 3 digit numbers using the written method. Start by writing your estimate. Estimate to the nearest 10.**

**a**

**e:**

| | H | T | O |
|---|---|---|---|
| | 6 | 5 | 2 |
| – | 3 | 2 | 7 |
| | | | |

**b**

**e:**

| | H | T | O |
|---|---|---|---|
| | 7 | 6 | 1 |
| – | 2 | 2 | 9 |
| | | | |

**c**

**e:**

| | H | T | O |
|---|---|---|---|
| | 5 | 9 | 2 |
| – | 4 | 4 | 8 |
| | | | |

CHECK

**d**

**e:**

| | H | T | O |
|---|---|---|---|
| | 5 | 8 | 2 |
| – | 3 | 4 | 6 |
| | | | |

**e**

**e:**

| | H | T | O |
|---|---|---|---|
| | 6 | 5 | 1 |
| – | 4 | 3 | 8 |
| | | | |

**f**

**e:**

| | H | T | O |
|---|---|---|---|
| | 9 | 6 | 2 |
| – | 6 | 4 | 9 |
| | | | |

**g**

**e:**

| | H | T | O |
|---|---|---|---|
| | 8 | 8 | 2 |
| – | 6 | 6 | 6 |
| | | | |

**h**

**e:**

| | H | T | O |
|---|---|---|---|
| | 7 | 4 | 3 |
| – | 3 | 3 | 9 |
| | | | |

Copyright © 3P Learning

# Written methods – 3 digit subtraction with regrouping

**2** **This sign shows the distances of towns along a highway from where the sign is. Find the difference between these places.**

**a** What is the distance between Ringer and Normanville?

| | H | T | O | |
|---|---|---|---|---|
| | | | | |
| – | | | | |
| | | | | mi |

**b** What is the distance between Roper and Eagle Bay?

| | H | T | O | |
|---|---|---|---|---|
| | | | | |
| – | | | | |
| | | | | mi |

**c** What is the distance between Showtown and Ringer?

| | H | T | O | |
|---|---|---|---|---|
| | | | | |
| – | | | | |
| | | | | mi |

**d** What is the distance between Roper and Normanville?

| | H | T | O | |
|---|---|---|---|---|
| | | | | |
| – | | | | |
| | | | | mi |

Copyright © 3P Learning

# Written methods – addition and subtraction challenges

**1** **Write the numbers that are above each problem in the correct place:**

**a**

| | | | |
|---|---|---|---|
| | 4 | 3 | 9 |

| | | | |
|---|---|---|---|
| | 3 | 6 | 2 |
| + | | | 7 |
| | 7 | 9 | |

**b**

| | | | |
|---|---|---|---|
| 8 | 3 | 3 | 2 |

| | | | |
|---|---|---|---|
| | | 6 | 5 |
| – | 4 | | |
| | 4 | | 3 |

**c**

| | | | |
|---|---|---|---|
| | 6 | 5 | 1 |

| | | | |
|---|---|---|---|
| | | 3 | |
| + | 2 | | 3 |
| | 8 | 4 | 8 |

**d**

| | | | |
|---|---|---|---|
| | 3 | 6 | 7 |

| | | | |
|---|---|---|---|
| | 5 | | |
| – | | 2 | 4 |
| | 2 | 4 | 3 |

**2** **Solve these. The same symbol means the same number.**

**a**

| | | | | |
|---|---|---|---|---|
| | | ◆ | 3 | ◆ |
| + | | ◆ | ◆ | 4 |
| | 1 | 0 | 8 | 9 |

◆ = ☐

**b**

| | | | | |
|---|---|---|---|---|
| | | 6 | 2 | 9 |
| + | | ♥ | 1 | ♥ |
| | 1 | 1 | 4 | 4 |

♥ = ☐

**c**

| | | | |
|---|---|---|---|
| | ★ | 8 | ★ |
| – | 3 | ★ | 2 |
| | 1 | ★ | 2 |

★ = ☐

**d**

| | | | |
|---|---|---|---|
| | ☺ | 4 | 1 |
| – | 2 | 3 | ☺ |
| | 3 | 0 | 6 |

☺ = ☐

Copyright © 3P Learning

# Written methods – word problems

**Solve the following word problems using addition or subtraction. Circle the process you use to calculate the answer:**

1. **Joe scored 346 more points than Zac. Joe scored 589 points. How many points did Zac score?**

   \+ _____

   – _____

   Answer _____

2. **Jenny is 32 cm taller than Jaala. Jaala is 143 cm tall. How tall is Jenny?**

   \+ _____

   – _____

   Answer _____

3. **Mattie recorded 117 mm of rain. Stephania recorded 58 mm more. How much rain did Stephania record?**

   \+ _____

   – _____

   Answer _____

4. **Wayne has $17. How much more money does he need to buy a t-shirt that costs $39?**

   \+ _____

   – _____

   Answer _____

5. **Charlene had $132. After she paid for a ticket, she had $84. How much did the ticket cost?**

   \+ _____

   – _____

   Answer _____

6. **Sanjay spent $34 and had $92 left. How much did he have before the purchase?**

   \+ _____

   – _____

   Answer _____

7. **Jared's bike cost $189. Molly's bike cost $263. What is the price difference between the two bikes?**

   \+ _____

   – _____

   Answer _____

8. **The rainfall in Two Wells was 73 mm. Gawler recorded 36 mm less. How much rainfall did Gawler record?**

   \+ _____

   – _____

   Answer _____

Copyright © 3P Learning