

Name:

Addition and subtraction

Question 1

The population of Tokyo is 8,949,883.

If 1,899,655 people are over 65, how many people aged 65 or less?

Question 2

How many people attended the festival over three days? Festival Attendance Record:

Friday: 27,990 Saturday: 31,856 Sunday: 35,660

Question 3

Julia received twice as many votes as Cameron. If Cameron 72,455 votes, how many votes did Julia receive?

Question 4

The combined mass of a horse and float is 2,949 kg. If the float has a mass of 2,416 kg, what's the mass of the horse?

Question 5

Austin sold 3,477 m<sup>2</sup> from his 12,000 m<sup>2</sup> property. How much land does Austin still own?

Question 6

Greg bought a house in 2010 for \$356,850. He sold it five years later for an extra \$266,900. For what price did Greg sell his house?

Question 7

Mount Everest is Earth's tallest mountain at 8,848 m high. Olympus Mons is Mars' highest mountain at 24,000 m high. What's the difference in height between Mount Everest and Olympus Mons?

Question 8

Joe spent \$258.95 on clothes and shoes. What change did he receive from \$270.00?

Question 9

What is a shop's yearly wage bill if the manager earns \$57,750 and the two assistants earn \$44,780 each?

Question 10

On Saturday 86,903 people watched the first semi final. On Sunday 6,780 more people watched the second semi final. How many people watched the second semi final?

## Addition and subtraction solutions

<p><b>Question 1</b> The population of Tokyo is 8,949,883. If 1,899,655 people are over 65, how many people aged 65 or less?</p>	<p><b>Solution</b> To calculate the number of people in Tokyo that are aged 65 or less, subtract the number of people over 65 from the total population of Tokyo.</p> $8,949,883 - 1,899,655 = 7,050,228$
<p><b>Question 2</b> How many people attended the festival over three days? Festival Attendance Record: Friday: 27,990 Saturday: 31,856 Sunday: 35,660</p>	<p><b>Solution</b> To calculate the number of people who attended the festival over three days, add together the number of people who attended for each of the three days.</p> $27,990 + 31,856 + 35,660 = 95,506$
<p><b>Question 3</b> Julia received twice as many votes as Cameron. If Cameron 72,455 votes, how many votes did Julia receive?</p>	<p><b>Solution</b> To calculate the number of votes that Julia received, multiply the number of votes that Cameron received by two.</p> $72,455 \times 2 = 144,910$
<p><b>Question 4</b> The combined mass of a horse and float is 2,949 kg. If the float has a mass of 2,416 kg, what's the mass of the horse?</p>	<p><b>Solution</b> To calculate mass of the horse, subtract the mass of the float from the mass of the horse and float together.</p> $2,949 - 2,416 = 533$
<p><b>Question 5</b> Austin sold 3,477 m<sup>2</sup> from his 12,000 m<sup>2</sup> property. How much land does Austin still own?</p>	<p><b>Solution</b> To calculate how much land Austin still owns, subtract the area of the land he sold from the original area of his property.</p> $12,000 - 3,477 = 8,523$
<p><b>Question 6</b> Greg bought a house in 2010 for \$356,850. He sold it five years later for an extra \$266,900. For what price did Greg sell his house?</p>	<p><b>Solution</b> To calculate the price that Greg sold his house for five years later, add the price he paid for the house in 2010 to the extra amount he sold it for five years later.</p> $\$356,850 + \$266,900 = \$623,750$
<p><b>Question 7</b> Mount Everest is Earth's tallest mountain at 8,848 m high. Olympus Mons is Mars' highest mountain at 24,000 m high. What's the difference in height between Mount Everest and Olympus Mons?</p>	<p><b>Solution</b> To calculate the difference in height between Olympus Mons and Mount Everest, subtract the height of Mount Everest from the height of Olympus Mons.</p> $24,000 - 8,848 = 15,152$
<p><b>Question 8</b> Joe spent \$258.95 on clothes and shoes. What change did he receive from \$270.00?</p>	<p><b>Solution</b> To calculate the amount of change Joe received, subtract the total amount he paid for his clothes and shoes from the amount he gave them.</p> $\$270.00 - \$258.95 = \$11.05$
<p><b>Question 9</b> What is a shop's yearly wage bill if the manager earns \$57,750 and the two assistants earn \$44,780 each?</p>	<p><b>Solution</b> To calculate a shops yearly wage bill, add how much the manager is paid to the amount each of the two assistants is paid.</p> $\$57,750 + \$44,780 + \$44,780 = \$147,310$
<p><b>Question 10</b> On Saturday 86,903 people watched the first semi final. On Sunday 6,780 more people watched the second semi final. How many people watched the second semi final?</p>	<p><b>Solution</b> To calculate the number of people who watched the second semi final on Sunday, add the number of people who watched the first semi final on Saturday to the number of extra people who watched the second semi final. <math>86,903 + 6,780 = 93,683</math></p>