

Name _____

Solve the problem.

1) Devon purchased tickets to an air show for 9 adults and 2 children. The total cost was \$137. The cost of a child's ticket was \$3 less than the cost of an adult's ticket. Find the price of an adult's ticket and a child's ticket.

2) Devon purchased tickets to an air show for 4 adults and 2 children. The total cost was \$140. The cost of a child's ticket was \$5 less than the cost of an adult's ticket. Find the price of an adult's ticket and a child's ticket.

3) Devon purchased tickets to an air show for 6 adults and 2 children. The total cost was \$150. The cost of a child's ticket was \$5 less than the cost of an adult's ticket. Find the price of an adult's ticket and a child's ticket.

4) Devon purchased tickets to an air show for 4 adults and 2 children. The total cost was \$132. The cost of a child's ticket was \$6 less than the cost of an adult's ticket. Find the price of an adult's ticket and a child's ticket.

5) Jamil always throws loose change into a pencil holder on his desk and takes it out every two weeks. This time it is all nickels and dimes. There are 9 times as many dimes as nickels, and the value of the dimes is \$5.10 more than the value of the nickels. How many nickels and dimes does Jamil have?

6) Jamil always throws loose change into a pencil holder on his desk and takes it out every two weeks. This time it is all nickels and dimes. There are 6 times as many dimes as nickels, and the value of the dimes is \$2.75 more than the value of the nickels. How many nickels and dimes does Jamil have?

7) Jamil always throws loose change into a pencil holder on his desk and takes it out every two weeks. This time it is all nickels and dimes. There are 3 times as many dimes as nickels, and the value of the dimes is \$1.00 more than the value of the nickels. How many nickels and dimes does Jamil have?

8) Jamil always throws loose change into a pencil holder on his desk and takes it out every two weeks. This time it is all nickels and dimes. There are 9 times as many dimes as nickels, and the value of the dimes is \$2.55 more than the value of the nickels. How many nickels and dimes does Jamil have?

9) On a buying trip in Los Angeles, Rosaria Perez ordered 120 pieces of jewelry: a number of bracelets at \$12 each and a number of necklaces at \$14 each. She wrote a check for \$1500 to pay for the order. How many bracelets and how many necklaces did Rosaria purchase?

10) On a buying trip in Los Angeles, Rosaria Perez ordered 120 pieces of jewelry: a number of bracelets at \$12 each and a number of necklaces at \$15 each. She wrote a check for \$1590 to pay for the order. How many bracelets and how many necklaces did Rosaria purchase?

- 11) On a buying trip in Los Angeles, Rosaria Perez ordered 120 pieces of jewelry: a number of bracelets at \$6 each and a number of necklaces at \$12 each. She wrote a check for \$900 to pay for the order. How many bracelets and how many necklaces did Rosaria purchase?
- 12) On a buying trip in Los Angeles, Rosaria Perez ordered 120 pieces of jewelry: a number of bracelets at \$9 each and a number of necklaces at \$11 each. She wrote a check for \$1240 to pay for the order. How many bracelets and how many necklaces did Rosaria purchase?
- 13) Devon purchased tickets to an air show for 4 adults and 2 children. The total cost was \$114. The cost of a child's ticket was \$6 less than the cost of an adult's ticket. Find the price of an adult's ticket and a child's ticket.
- 14) Jamil always throws loose change into a pencil holder on his desk and takes it out every two weeks. This time it is all nickels and dimes. There are 8 times as many dimes as nickels, and the value of the dimes is \$9.00 more than the value of the nickels. How many nickels and dimes does Jamil have?
- 15) On a buying trip in Los Angeles, Rosaria Perez ordered 120 pieces of jewelry: a number of bracelets at \$4 each and a number of necklaces at \$14 each. She wrote a check for \$1380 to pay for the order. How many bracelets and how many necklaces did Rosaria purchase?
- 16) On a buying trip in Los Angeles, Rosaria Perez ordered 120 pieces of jewelry: a number of bracelets at \$10 each and a number of necklaces at \$15 each. She wrote a check for \$1550 to pay for the order. How many bracelets and how many necklaces did Rosaria purchase?
- 17) On a buying trip in Los Angeles, Rosaria Perez ordered 120 pieces of jewelry: a number of bracelets at \$12 each and a number of necklaces at \$13 each. She wrote a check for \$1460 to pay for the order. How many bracelets and how many necklaces did Rosaria purchase?
- 18) Devon purchased tickets to an air show for 9 adults and 2 children. The total cost was \$116. The cost of a child's ticket was \$8 less than the cost of an adult's ticket. Find the price of an adult's ticket and a child's ticket.
- 19) Jamil always throws loose change into a pencil holder on his desk and takes it out every two weeks. This time it is all nickels and dimes. There are 7 times as many dimes as nickels, and the value of the dimes is \$3.25 more than the value of the nickels. How many nickels and dimes does Jamil have?
- 20) On a buying trip in Los Angeles, Rosaria Perez ordered 120 pieces of jewelry: a number of bracelets at \$10 each and a number of necklaces at \$14 each. She wrote a check for \$1320 to pay for the order. How many bracelets and how many necklaces did Rosaria purchase?
- 21) Jamil always throws loose change into a pencil holder on his desk and takes it out every two weeks. This time it is all nickels and dimes. There are 4 times as many dimes as nickels, and the value of the dimes is \$2.10 more than the value of the nickels. How many nickels and dimes does Jamil have?

Answer Key

Testname: CH04SUMOFTWONUMBERSAPPLICATIONS_WORKSHEETV02

- 1) adult's ticket: \$13; child's ticket: \$10
- 2) adult's ticket: \$25; child's ticket: \$20
- 3) adult's ticket: \$20; child's ticket: \$15
- 4) adult's ticket: \$24; child's ticket: \$18
- 5) 6 nickels and 54 dimes
- 6) 5 nickels and 30 dimes
- 7) 4 nickels and 12 dimes
- 8) 3 nickels and 27 dimes
- 9) 90 bracelets and 30 necklaces
- 10) 70 bracelets and 50 necklaces
- 11) 90 bracelets and 30 necklaces
- 12) 40 bracelets and 80 necklaces
- 13) adult's ticket: \$21; child's ticket: \$15
- 14) 12 nickels and 96 dimes
- 15) 30 bracelets and 90 necklaces
- 16) 50 bracelets and 70 necklaces
- 17) 100 bracelets and 20 necklaces
- 18) adult's ticket: \$12; child's ticket: \$4
- 19) 5 nickels and 35 dimes
- 20) 90 bracelets and 30 necklaces
- 21) 6 nickels and 24 dimes