

Name _____

Solve the problem.

1) Devon purchased tickets to an air show for 4 adults and 2 children. The total cost was \$102. 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 \$112. The cost of a child's ticket was \$7 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 8 adults and 2 children. The total cost was \$134. 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.

4) Devon purchased tickets to an air show for 7 adults and 2 children. The total cost was \$136. The cost of a child's ticket was \$4 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 8 times as many dimes as nickels, and the value of the dimes is \$2.25 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 9 times as many dimes as nickels, and the value of the dimes is \$8.50 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 4 times as many dimes as nickels, and the value of the dimes is \$3.15 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 8 times as many dimes as nickels, and the value of the dimes is \$3.75 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 \$10 each and a number of necklaces at \$13 each. She wrote a check for \$1440 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 \$5 each and a number of necklaces at \$10 each. She wrote a check for \$1100 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 \$13 each. She wrote a check for \$1420 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 \$4 each and a number of necklaces at \$8 each. She wrote a check for \$800 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 \$108. 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 4 times as many dimes as nickels, and the value of the dimes is \$1.75 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 \$11 each and a number of necklaces at \$13 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 \$11 each and a number of necklaces at \$15 each. She wrote a check for \$1680 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 \$4 each and a number of necklaces at \$13 each. She wrote a check for \$1020 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 \$164. 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.
- 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 8 times as many dimes as nickels, and the value of the dimes is \$8.25 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 \$9 each and a number of necklaces at \$12 each. She wrote a check for \$1230 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 8 times as many dimes as nickels, and the value of the dimes is \$7.50 more than the value of the nickels. How many nickels and dimes does Jamil have?

Answer Key

Testname: CH04SUMOFTWONUMBERSAPPLICATIONS_WORKSHEETV01

- 1) adult's ticket: \$18; child's ticket: \$15
- 2) adult's ticket: \$21; child's ticket: \$14
- 3) adult's ticket: \$14; child's ticket: \$11
- 4) adult's ticket: \$16; child's ticket: \$12
- 5) 3 nickels and 24 dimes
- 6) 10 nickels and 90 dimes
- 7) 9 nickels and 36 dimes
- 8) 5 nickels and 40 dimes
- 9) 40 bracelets and 80 necklaces
- 10) 20 bracelets and 100 necklaces
- 11) 20 bracelets and 100 necklaces
- 12) 40 bracelets and 80 necklaces
- 13) adult's ticket: \$20; child's ticket: \$14
- 14) 5 nickels and 20 dimes
- 15) 90 bracelets and 30 necklaces
- 16) 30 bracelets and 90 necklaces
- 17) 60 bracelets and 60 necklaces
- 18) adult's ticket: \$16; child's ticket: \$10
- 19) 11 nickels and 88 dimes
- 20) 70 bracelets and 50 necklaces
- 21) 10 nickels and 80 dimes