Name: **Grade:** **Score:**

Worksheet #4

Fractions Word Problems

Learning Goal: Students will be able to get an understanding of an introduction level word problems on fractions.

In total, there are 50 candies. A few are orange-flavored, 12 are strawberry-flavored, and the rest 12 are blueberry-flavored. Find the fraction of orange-flavored candies.

A fruit basket has 100 fruits. A few are apples, 30 are bananas, and 20 are mangoes. Find the fraction of apples.

A juice shop has 80 bottles of juice. Some are orange juice, 25 are mango juice, and 30 are apple juice. Find the fraction of orange juice.

A bakery sells 120 pastries. A few are chocolate, 50 are vanilla, and 40 are strawberry. Find the fraction of chocolate pastries.

SCRIBBLE SPACE

SCRIBBLE SPACE

A supermarket has 200 packets of snacks. Some are chips, 80 are cookies, and 50 are biscuits. Find the fraction of chip packets.

A restaurant serves 90 dishes. A few are vegetarian, 40 are chicken dishes, and 20 are seafood dishes. Find the fraction of vegetarian dishes.

A toy factory produces 400 toys. Some are dolls, 150 are action figures, and 100 are puzzles. Find the fraction of dolls.

A stadium has 600 spectators. ¼ are VIP ticket holders, ⅓ are regular ticket holders, and the rest are general ticket holders. Find the fraction of general ticket holders.

Name: **Grade:** **Score:**

Worksheet #4 (Answers)

Fractions Word Problems

Learning Goal: Students will be able to get an understanding of an introduction level word problems on fractions.

In total, there are 50 candies. A few are orange-flavored, 12 are strawberry-flavored, and the rest 12 are blueberry-flavored. Find the fraction of orange-flavored candies.

Solution: Total candies = 50

Non-orange candies = 12 + 12 = 24

Orange candies = 50 - 24 = 26

Fraction of orange-flavored candies = $\frac{26}{50} = \frac{13}{25}$

A fruit basket has 100 fruits. A few are apples, 30 are bananas, and 20 are mangoes. Find the fraction of apples.

Solution:

Total fruits= 100

Number of apples = 100-30-20=50

Fraction of black marbles = $\frac{50}{100} = \frac{1}{2}$

A juice shop has 80 bottles of juice. Some are orange juice, 25 are mango juice, and 30 are apple juice. Find the fraction of orange juice.

Solution:

Total juice bottles = 80

Number of orange juice bottles=80-(25+30) =25

Fraction of orange juice bottles= $\frac{25}{100} = \frac{1}{4}$

A bakery sells 120 pastries. A few are chocolate, 50 are vanilla, and 40 are strawberry. Find the fraction of chocolate pastries.

Solution:

Total pastries= 120

chocolate pastries =120-(50+40) =30

Fraction of chocolate pastries= $\frac{30}{120} = \frac{1}{4}$

SCRIBBLE SPACE

SCRIBBLE SPACE

A supermarket has 200 packets of snacks. Some are chips, 80 are cookies, and 50 are biscuits. Find the fraction of chip packets.

Solution:
Total packets= 200
chips packet = 200-(80+50)= 70
Fraction of chips = $\frac{70}{200} = \frac{7}{20}$

A restaurant serves 90 dishes. A few are vegetarian, 40 are chicken dishes, and 20 are seafood dishes. Find the fraction of vegetarian dishes.

Solution:
Total dishes = 90
Number of vegetarians dishes= 90-(40+20)=30
fraction of vegetarians dishes $\frac{30}{90} = \frac{1}{3}$

A toy factory produces 400 toys. Some are dolls, 150 are action figures, and 100 are puzzles. Find the fraction of dolls.

Solution:
Total products = 400
Number of dolls =400-(150+100)=150
Fraction of toys= $\frac{150}{400} = \frac{3}{8}$

A stadium has 600 spectators. ¼ are VIP ticket holders, ⅓ are regular ticket holders, and the rest are general ticket holders. Find the fraction of general ticket holders.

Solution:
VIP = $\frac{1}{3} \times 600 = 200$
Regular = $\frac{1}{4} \times 600 = 150$
General = 600-(150+200)=250
Fraction of general tickets = $\frac{250}{600} = \frac{5}{12}$