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

Worksheet #2

Fractions Word Problems

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

A hotel has 200 rooms, 50 are reserved, and the rest are available. Find the fraction of available rooms.

Out of 250 bicycles in a store, 75 are electric, and the rest are regular. Find the fraction of regular bicycles.

A showroom has 90 cars, 30 are electric vehicles, and the rest are fuel-based. Find the fraction of fuel-based cars.

A music store sells 500 headphones, 150 are wireless, and the rest are wired. Find the fraction of wired headphones.

SCRIBBLE SPACE

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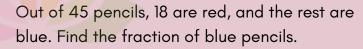
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A jar has 80 candies, 30 are mint-flavored, and the rest are fruit-flavored. Find the fraction of fruit-flavored candies.

A basket contains 50 apples, 15 are green apples, and the rest are red apples. Find the fraction of red apples.

Out of 45 pencils, 18 are red, and the rest are blue. Find the fraction of blue pencils.

Total = 45
Red pencils = 18
Blue pencils = 27
Fraction = $\frac{27}{45} = \frac{3}{5}$

A classroom has 80 desks. 35 are occupied by students, 20 are used for storage, and the rest are empty. Find the fraction of empty desks.

Worksheet #2 (Answers)

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Fractions Word Problems

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

SCRIBBLE SPACE

A hotel has 200 rooms, 50 are reserved, and the rest are available. Find the fraction of available rooms.

Solution: Total number of rooms = 200

Reserved rooms = 50

Available rooms = 200-50=150

Fraction= $\frac{150}{200} = \frac{3}{4}$

Out of 250 bicycles in a store, 75 are electric, and the rest are regular. Find the fraction of regular bicycles.

Solution: Total =250

Electric = 75

Regular = 250-75 = 175

Fraction = $\frac{175}{250} = \frac{7}{10}$

A showroom has 90 cars, 30 are electric vehicles, and the rest are fuel-based. Find the fraction of fuel-based cars.

Solution:

Total =90

Electric = 30

Fuel = 60

Fraction= $\frac{60}{90} = \frac{2}{3}$

A music store sells 500 headphones, 150 are wireless, and the rest are wired. Find the fraction of wired headphones.

Solution:

Total =500

Wireless = 150

Wired = 350

Fraction= $\frac{350}{500} = \frac{7}{10}$

SCRIBBLE SPACE

A jar has 80 candies, 30 are mint-flavored, and the rest are fruit-flavored. Find the fraction of fruit-flavored candies.

Solution:
Total = 80
Mint flavored = 30
Fruit flavored = 50
Fraction = $\frac{5}{8}$

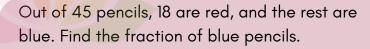A basket contains 50 apples, 15 are green apples, and the rest are red apples. Find the fraction of red apples.

Solution:
Total = 50
Green apples = 15
Red apples = 35
Fraction = $\frac{7}{10}$

Out of 45 pencils, 18 are red, and the rest are blue. Find the fraction of blue pencils.

Solution:
Total = 45
Red pencils = 18
Blue pencils = 27
Fraction = $\frac{27}{45} = \frac{3}{5}$

A classroom has 80 desks. 35 are occupied by students, 20 are used for storage, and the rest are empty. Find the fraction of empty desks.

Solution:
Total desks = 80
Occupied desks = 35
Storage desks = 20
Empty desks = 80-(35+20)
Fraction = $\frac{25}{80} = \frac{5}{16}$