Proportions/Equivalent Fractions

Math F

Name _____ Class _____ Date _____

1 A **ratio** compares two numbers using a fraction. The ratio of sunny days to cloudy days is **2** to **7**, so $\frac{2}{7}$ of the days were cloudy. What fraction would represent the **ratio** of **5** cloudy days to **14** sunny days?

A $\frac{5}{7}$ **B** $\frac{5}{14}$ **C** $\frac{2}{5}$ **D** $\frac{7}{14}$

2 There were **5 green** apples in a bag of **12 green and red apples**. The **ratio** of **green apples** to the **total** number would be ____.

A $\frac{5}{12}$ **B** $\frac{5}{7}$ **C** $\frac{2}{17}$ **D** $\frac{12}{17}$

3 On a beach, a child found **3 starfish** and **11 shells**. What fraction represents the **ratio** of **starfish to shells** in the child's collection?

4 Two different fractions can name the same amount. These are called **equivalent fractions**. For instance, $\frac{1}{3}$ and $\frac{3}{9}$ are equivalent fractions. What is an **equivalent fraction** for $\frac{1}{6}$?

5

A $\frac{1}{3}$ **B** $\frac{1}{2}$ **C** $\frac{1}{4}$ **D** $\frac{1}{6}$

7

A $\frac{9}{40}$ **B** $\frac{15}{24}$ **C** $\frac{15}{40}$ **D** $\frac{5}{10}$

9 $\frac{1}{12}$ and $\frac{4}{24}$ are **equivalent fractions**.

True or false?

A true
B false

10 $\frac{1}{10}$ and $\frac{60}{600}$ are **equivalent fractions**.

True or false?

A true
B false

ANSWER KEY

A **ratio** compares two numbers using a fraction. The ratio of sunny days to cloudy days is **2** to **7**, so $\frac{2}{7}$ of the days were cloudy. What fraction would represent the **ratio** of **5** cloudy days to **14** sunny days?

b

A $\frac{5}{7}$ **B** $\frac{5}{14}$ **C** $\frac{2}{5}$ **D** $\frac{7}{14}$

There were **5 green** apples in a bag of **12 green and red apples**. The **ratio** of **green apples** to the **total** number would be ____.

a

A $\frac{5}{12}$ **B** $\frac{5}{7}$ **C** $\frac{2}{17}$ **D** $\frac{12}{17}$

On a beach, a child found **3 starfish** and **11 shells**. What fraction represents the **ratio** of **starfish** to **shells** in the child's collection?

c

A $\frac{3}{\ }$ **B** $\frac{3}{\ }$ **C** $\frac{3}{\ }$ **D** $\frac{8}{\ }$

Two different fractions can name the same amount. These are called **equivalent fractions**. For instance, $\frac{1}{3}$ and $\frac{3}{9}$ are equivalent fractions. What is an **equivalent fraction** for $\frac{1}{6}$?

d

A $\frac{6}{\ }$ **B** $\frac{6}{\ }$ **C** $\frac{3}{\ }$ **D** $\frac{2}{\ }$

A $\frac{1}{3}$ **B** $\frac{1}{2}$ **C** $\frac{1}{4}$ **D** $\frac{1}{6}$

A $\frac{9}{40}$ **B** $\frac{15}{24}$ **C** $\frac{15}{40}$ **D** $\frac{5}{10}$

$\frac{1}{12}$ and $\frac{4}{24}$ are **equivalent fractions**.

True or false?

b

A true
B false

$\frac{1}{10}$ and $\frac{60}{600}$ are **equivalent fractions**.

True or false?

a

A true
B false