

Subtracting Fraction Multiples



Aim

• I can subtract fractions with denominators that are multiples of the same number.

Success Criteria

- I can subtract fractions with the same denominator.
- I can convert between improper and mixed number fractions.
- I can use multiplication to change a fraction into an equivalent.
- I can subtract fractions with denominators that are multiples of the same number.







Same Denominators

In this fraction subtraction, both the fractions have the **same denominator**.

2

To solve the calculation, the **denominator stays the same**, and the **numerators are subtracted**.

Same Denominators

In this fraction subtraction, both the fractions have the **same denominator**.

8

3

This answer is an improper fraction. Every whole is made of three parts.

2

1

5

6

2

3

8

This is the same answer written as a mixed number.

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Same Denominators

In this fraction subtraction, both the fractions have the **same denominator**.

6

4

This is a mixed number. Change it to an improper fraction before calculating. 15926103710910910910910910911911110</tr

This answer can be simplified.

3

4

In this fraction subtraction, both the fractions have **different denominators** which are multiples of the same number.



To solve the calculation, we use **multiplication** to change the fraction with the lowest denominator into an **equivalent fraction** with the same denominator as the other fraction.

Remember to do the same multiplication to the numerator.

Now we have a calculation where both the denominators are the same number.

10

6

6

x 2 = 10

3

x 2 = 6

To solve the calculation, the **denominator stays the same**, and the **numerators are subtracted**.

6

6

2

Let's try this with another calculation where the fractions have **different denominators** which are multiples of the same number.

12

12

12

12



4

x 3 = 12

6

Let's try this with another calculation where the fractions have **different denominators** which are multiples of the same number.

10

22

10

25

10

10

x 5 = 25

2

x 5 = 10

Colour by Fraction

Stained Glass Designs

h

your stained-glass design:

Less than $\frac{1}{2}$

planit

Between 1 and $1\frac{1}{2}$

I can subtract fractions with denominators that are multiples of the same number.

Subtracting Fractions Stained Glass Designs

btract fractions with denominators that are multiples of the same number.

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nswers to these calculations are:

and 1

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Between $\frac{1}{2}$ and 1

Greater than $1\frac{1}{2}$

Maths I Year 5 I Fractions I Add and Subtract Fractions I Lesson 2 of 3: Subtracting Fraction Multiple

between 1 and 1 ¹/₂

greater than 1 ¹/₂

ion of the stained-glass design based on your answers.









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