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About & How to Use

- This is a DIY fraction operations poster made from pieces of 8.5 in x 11 in paper.
 - Dimensions when complete: 42.5 in x 40 in
1. Print the pages on colored paper.
 2. Cut out
 3. Assemb
 4. Post on

Easy Printing Guide:

✓ Print "Actual Size". Don't select "Fit to Page".

ADDING FRACTIONS

1. Get a common denominator if necessary.
2. Add the new numerators.
3. Put the sum of the numerators over the common denominator.
4. Simplify if possible:
 - ✓ Reduce a proper fraction.
 - ✓ Change an improper fraction to a mixed number.

Print
pages
12 - 18

SUBTRACTING FRACTIONS

1. Get a common denominator if necessary.
2. Subtract the new numerators.
3. Put the difference of the numerators over the common denominator.
4. Simplify if possible:
 - ✓ Reduce a proper fraction.
 - ✓ Change an improper fraction to a mixed number.

Print
pages
20 - 26

MULTIPLYING FRACTIONS

1. Put all whole numbers over one; Change all mixed numbers to improper fractions.
2. Cross cancel if possible.
3. Multiply straight across.
$$\frac{\text{numerator} \times \text{numerator}}{\text{denominator} \times \text{denominator}}$$
4. Simplify if possible:
 - ✓ Reduce a proper fraction.
 - ✓ Change an improper fraction to a mixed number.

Print
pages
28 - 34

DIVIDING FRACTIONS

1. Put all whole numbers over one; Change all mixed numbers to improper fractions.
2. K.C.F. or Keep, Change, Flip
 - ✓ Keep the first fraction the same
 - ✓ Change the division sign to a multiplication sign
 - ✓ Flip the numerator and the denominator of the second fraction.
3. Cross cancel if possible.
4. Multiply straight across.
5. Simplify if possible.

Print
pages
36 - 42

FRACTION OPERATIONS

Print
pages
44 - 46



Print
page
47

FRACTION OPERATIONS

ADDING FRACTIONS	SUBTRACTING FRACTIONS	MULTIPLYING FRACTIONS	DIVIDING FRACTIONS
1. Get a common denominator if necessary.	1. Get a common denominator if necessary.	1. Put all whole numbers over one; Change all mixed numbers to improper fractions.	1. Put all whole numbers over one; Change all mixed numbers to improper fractions.
2. Add the new numerators.	2. Subtract the new numerators.	2. Cross cancel if possible.	2. K.C.F. or Keep, Change, Flip
3. Put the sum of the numerators over the common denominator.	3. Put the difference of the numerators over the common denominator.	3. Multiply straight across.	<ul style="list-style-type: none"> ✓ Keep the first fraction the same. ✓ Change the division sign to a multiplication sign. ✓ Flip the numerator and the denominator of the second fraction.
4. Simplify if possible:	4. Simplify if possible:	$\frac{\text{numerator} \times \text{numerator}}{\text{denominator} \times \text{denominator}}$	3. Cross cancel if possible.
✓ Reduce a proper fraction.	✓ Reduce a proper fraction.	4. Simplify if possible:	4. Multiply straight across.
✓ Change an improper fraction to a mixed number.	✓ Change an improper fraction to a mixed number.	✓ Reduce a proper fraction.	5. Simplify if possible.
		✓ Change an improper fraction to a mixed number.	

ADDING FRACTIONS

3. Put the sum
of the

4. Simplify
if possible:

1. Get a common
denominator
if necessary.

2. Add the new
numerators.

✓ Reduce a
proper fraction.

✓ Change an
improper fraction
to a mixed number.

ADDING FRACTIONS

1. Get a common denominator if necessary.
2. Add the new numerators.
3. Put the sum of the numerators over the common denominator.
4. Simplify if possible:
 - ✓ Reduce a proper fraction.
 - ✓ Change an improper fraction to a mixed number.

ADDING FRACTIONS

print pages

12 - 18

SUBTRACTING FRACTIONS

1. Get a common denominator if

2. Subtract the new numerators.

4. Simplify if possible:

3. Put the difference of the numerators over the common denominator.

SUBTRACTING FRACTIONS

1. Get a common denominator if necessary.

2. Subtract the new numerators.

3. Put the difference of the numerators over the common denominator.

4. Simplify if possible:

✓ Reduce a proper fraction.

✓ Change an improper fraction to a mixed number.

SUBTRACTING FRACTIONS

print pages

20 - 26

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✓ Reduce a proper fraction.

✓ Change an improper fraction to a mixed number.

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MULTIPLYING FRACTIONS

1. Put all whole numbers over one; Change a

2. Cross cancel if possible.

3. Multiply straight across.

numerator x nume
denominator x denominator

MULTIPLYING FRACTIONS

1. Put all whole numbers over one; Change all mixed numbers to improper fractions.

2. Cross cancel if possible.

3. Multiply straight across.

numerator x numerator
denominator x denominator

4. Simplify if possible:

✓ Reduce a proper fraction.

✓ Change an improper fraction to a mixed number.

MULTIPLYING FRACTIONS

print pages

28 - 34

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4. Simplify if possible:

✓ Reduce a proper

✓ Change an improper fraction to a mixed number.

DIVIDING FRACTIONS

1. Put all whole numbers over one; Change all mixed numbers to

2. K.C.F. or Keep, Change, Flip

- ✓ Keep the first fraction the same.
- ✓ Change the division sign to a multiplication sign.
- ✓ Flip the numerator and the denominator of the second fraction.

DIVIDING FRACTIONS

1. Put all whole numbers over one; Change all mixed numbers to improper fractions.

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- ✓ Keep the first fraction the same.
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- ✓ Flip the numerator and the denominator of the second fraction.

3. Cross cancel if possible.

4. Multiply straight across.

5. Simplify if possible.

DIVIDING FRACTIONS

print pages

36 - 42

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3. Cross cancel if possible.

4. Multiply straight

Simplify if possible.

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OPERATION

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NS

FRACTION

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FRACTION
OPERATIONS

TITLE
TILES

print pages
44 - 46

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ADDING FRACTIONS	SUBTRACTING FRACTIONS	MULTIPLYING FRACTIONS	DIVIDING FRACTIONS
1. Get a common denominator if necessary.	1. Get a common denominator if necessary.	1. Put all whole numbers over one; Change all mixed numbers to improper fractions.	1. Put all whole numbers over one; Change all mixed numbers to improper fractions.
2. Add the new numerators.	2. Subtract the new numerators.	2. Cross cancel if possible.	2. K.C.F. or Keep, Change, Flip
3. Put the sum of the numerators over the common denominator.	3. Put the difference of the numerators over the common denominator.	3. Multiply straight across.	✓ Keep the first fraction the same. ✓ Change the division sign to a multiplication sign. ✓ Flip the numerator and the denominator of the second fraction.
4. Simplify if possible:	4. Simplify if possible:	4. Simplify if possible:	3. Cross cancel if possible.
✓ Reduce a proper fraction.	✓ Reduce a proper fraction.	✓ Reduce a proper fraction.	4. Multiply straight across.
✓ Change an improper fraction to a mixed number.	✓ Change an improper fraction to a mixed number.	✓ Change an improper fraction to a mixed number.	5. Simplify if possible.

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