

The Primary Stage of Grades (4-5)

Second Semester 2022 - 2023

Name:	Subject: Mathematics
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Worksheet(4) Class: Grade 5 (C,D,E,F&G) Date: / /

Objectives:

Add and subtract fractions with like and unlike denominators .

Adding and subtracting simple fractions

When fractions have the same denominator it is quite easy to add them together and to subtract them.

For example,

$$\frac{3}{5} + \frac{1}{5} = \frac{3+1}{5} = \frac{4}{5}$$

We can show this calculation in a diagram:



1) Find the answer for each number sentence below in the simplest form:

a)
$$\frac{3}{8} + \frac{1}{8} =$$

b)
$$\frac{7}{10} + \frac{2}{10} =$$

$$c)\frac{8}{9} - \frac{5}{9} =$$

d)
$$\frac{10}{13} - \frac{7}{13} =$$















We can use equivalent fractions to add fractions that do not have the same denominator.

For example:

$$\frac{3}{4} + \frac{1}{8}$$

We need to change $\frac{3}{4}$ 3 + 1 into an equivalent fraction with a denominator of 8.

$$\frac{3}{4} = \frac{6}{8}$$

Now we have:

$$\frac{6}{8} + \frac{1}{8} = \frac{7}{8}$$

e)
$$\frac{3}{10} + \frac{2}{5} =$$

f)
$$\frac{1}{3} + \frac{7}{12} =$$

$$g)\frac{9}{16}-\frac{1}{8}=$$

h)
$$\frac{5}{9} - \frac{7}{18} =$$

i)
$$\frac{9}{4} + \frac{1}{2} =$$

$$j)\frac{9}{4}+2\frac{1}{8}=$$

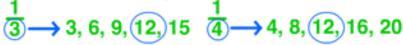
$$k) 3\frac{7}{16} - 1\frac{1}{4} =$$

$$1)\frac{10}{3} - \frac{15}{12} =$$

$$\frac{1}{3} + \frac{1}{4}$$

To add or subtract fractions with different denominators we have to convert them so they have the same or common denominator, a number that they will both divide into evenly.

Step 1 Work out the multiples for each denominator.



- Step 2 Then it's easy to see the least or lowest common denominator (multiple).
- Step 3 Convert your fraction to its equivalent using the lowest common denominator (multiple).

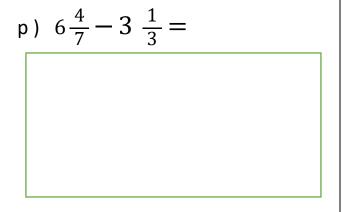
$$\frac{1}{3} \frac{x4}{x4} \rightarrow \frac{4}{12}$$
 $\frac{1}{4} \frac{x3}{x3} \rightarrow \frac{3}{12}$ Don't forget to multiply the top AND the bottom

Step 4 Add your equivalent fractions. You now have the answer.

$$\frac{4}{12} + \frac{3}{12} = \frac{7}{12}$$
 or $\frac{1}{3} + \frac{1}{4} = \frac{7}{12}$

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o)
$$4\frac{3}{5} + 5\frac{1}{2} =$$

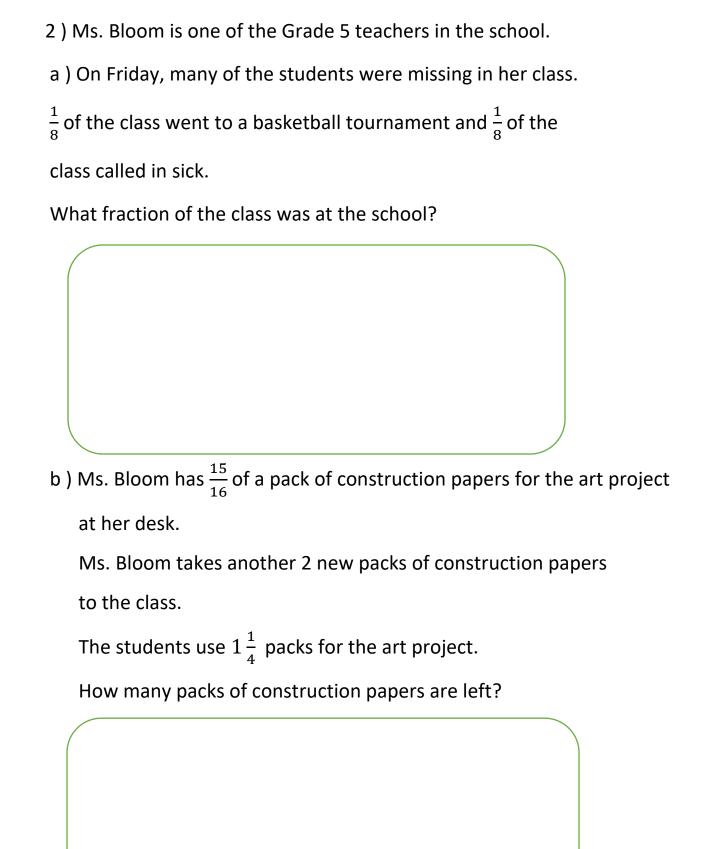


* Extra:

a)
$$8\frac{1}{5} - 5\frac{3}{4} =$$

b)
$$2\frac{1}{8} - \frac{1}{4} =$$

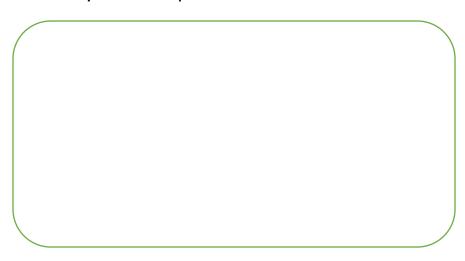
c)
$$7-5\frac{13}{24}=$$



c) Ms. Bloom had $4\frac{1}{1}$	$\frac{7}{2}$ boxes of pencils but	$2\frac{1}{3}$ boxes of the
pencils were broke	en.	

After she threw out the broken pencils.

How many boxes of pencils were left?



d) Ms. Bloom brought 4 packs of treats for Halloween.

She gave away $2\frac{1}{9}$ packs of treats to her class and gave away

 $\frac{2}{3}$ pack of the treats to the other 2 classes that came to her class for trick-or-treating.

