

## Math 3 Homework 26



**TIME** this page work \_\_\_\_\_



1

Write down a number sentence and find its value:

a) Divide the sum of 85 and 125 by 5: \_\_\_\_\_

b) Subtract the sum of 86 and 37 from 413: \_\_\_\_\_

c) Multiply two sums - sum of 123 and 47 and sum of 31 and 9: \_\_\_\_\_

2

Solve the problems, use Venn diagrams if needed:

a) 5 students in 5<sup>th</sup> grade class study Spanish only, 8 kids in class study French only. Every student in class studies at least one foreign language. How many people study 2 foreign languages if there 22 kids in that class. \_\_\_\_\_

b) The gardener decided to plant some trees. Twenty trees were supposed to be planted in full sun, ten trees - in the shade, and 15 trees could be planted in partial sun/shade areas of the garden. How many trees altogether the gardener planted? \_\_\_\_\_

3

Insert the missing fraction:

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

b)  $\frac{2}{3} +$  \_\_\_\_\_ =

c)  $\frac{5}{8} +$  \_\_\_\_\_ = 1

d) \_\_\_\_\_ +  $\frac{9}{10} = 1$

e) \_\_\_\_\_ -  $\frac{2}{8} = \frac{3}{8}$

f) \_\_\_\_\_ -  $\frac{4}{5} = \frac{1}{5}$

g)  $\frac{11}{12} -$  \_\_\_\_\_ =  $\frac{5}{12}$

h)  $\frac{4}{7} -$  \_\_\_\_\_ =  $\frac{2}{7}$



**Report the time you spent on page 1:** \_\_\_\_\_

Review  
Units of length, area, capacity, and time

4

a) Calculate:

$$6\text{dm } 8\text{cm} + 2\text{dm } 9\text{cm} - 7\text{dm } 7\text{cm} = \underline{\hspace{4cm}}$$

$$3\text{m } 9\text{dm} + 5\text{m } 6\text{dm} - 4\text{m } 8\text{cm} = \underline{\hspace{4cm}}$$

b) Compare using  $<$ ,  $>$  or  $=$ :

$8\text{m}^2 \underline{\hspace{1cm}} 80\text{dm}^2$

$7\text{m}^2 \underline{\hspace{1cm}} 700\text{cm}^2$

$310\text{cm} \underline{\hspace{1cm}} 31\text{dm}$

5

Express in centimeters:

a)  $1/2 \text{ dm} =$

$1/5 \text{ dm} =$

$1/10\text{dm} =$

b)  $1/2\text{m} =$

$1/5\text{m} =$

$1/10\text{m} =$

6

**Remember:** 1,000ml = 1 liter; 1,000g = 1kg.

a) Eli has a one-liter bottle of water and drinks half of it at lunchtime, how many ml are left?

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b)  $7 \text{ kg} - \underline{\hspace{1cm}} = 5 \frac{1}{2} \text{ kg}$

$3\text{kg } 200\text{g} + \underline{\hspace{1cm}} = 4 \frac{1}{2} \text{ kg}$

c) Steven has 3 bottles of water with 500 ml in each. Ronav has one bottle of water with 1 and a half liters in it. Who has the most water? 

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d) There are 12 liters of milk in a 12l bucket. How can you share this milk equally between two families using two empty buckets: 3l and 8l? 

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7

Complete the sentences:

a) There are 

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 seconds in half a minuteb) There are 

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 minutes in half an hourc) There are 

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 seconds in a quarter a minute.d) There are 

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 seconds in 10 minutese) There are 

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 hours a half dayf) There are 

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 hours in a quarter of the day

## HW 26

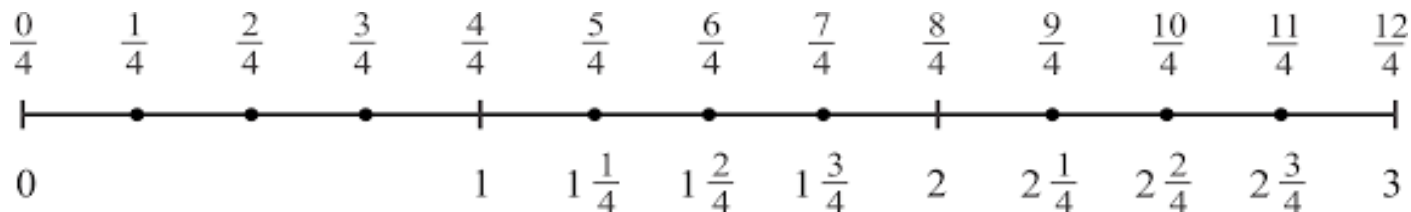
8

On the number line below, find an improper fraction which correspond to the following mixed number:

$$2 \frac{1}{4} =$$

$$1 \frac{1}{4} =$$

$$2 \frac{3}{4} =$$



Write the improper fractions as mixed numbers.

*Example: Improper fraction  $\frac{27}{5}$ . Divide the denominator into the numerator and rewrite the fraction as a sum of the whole part plus the remainder.  $\frac{27}{5} = 5 + \frac{2}{5} = 5 \frac{2}{5}$*

Add a fraction to make an equality correct:

9

$$\text{a) } \frac{1}{3} + \dots = 2$$

$$\text{b) } \frac{1}{4} + \dots = 2$$

$$\text{c) } \frac{1}{8} + \dots = 2$$

10

Jonathan picked  $2 \frac{3}{4}$  pounds of peaches from the tree in his backyard. He gave  $1 \frac{1}{4}$  pounds to his friend. How many pounds of peaches does Jonathan have left?

\_\_\_\_\_

How can you divide 17 apples between 4 children? How many apples (wholes and parts) each child will get?

## Review - Simplifying fractions

To simplify the fractions means to write down an equivalent fraction that has the smallest possible denominator.

11

Simplify the following fractions:

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

$$\frac{6}{15} =$$

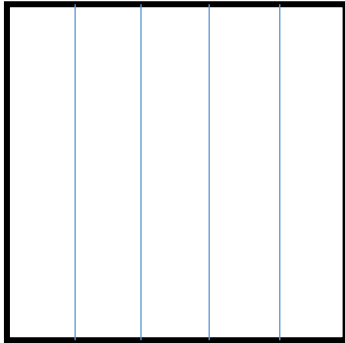
$$\frac{4}{12} =$$

$$\frac{3}{27} =$$

### HW 26

12

A square is divided into 5 identical rectangles. The perimeter of each rectangle is 10 centimeters. Find the area of the square.  $A =$  \_\_\_\_\_



13

Long division.

$2,889 \div 9 =$

$4,095 \div 19 =$



14

More practice:

$2846 - 879 =$

$305 \times 430 =$

$1233 \times 55 =$

