

Math 3 Homework 26



TIME this page work – Start time: _____



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 5th 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:

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

$$3\text{m } 9\text{dm} + 5\text{m } 6\text{dm} - 4\text{m } 8\text{cm} = \underline{\hspace{2cm}}$$

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?

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? _____

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? _____

7

Complete the sentences:

a) There are _____ seconds in half a minute

b) There are _____ minutes in half an hour

c) There are _____ seconds in a quarter a minute.

d) There are _____ seconds in 10 minutes

e) There are _____ hours a half day

f) There are _____ hours in a quarter of the day

HW 26

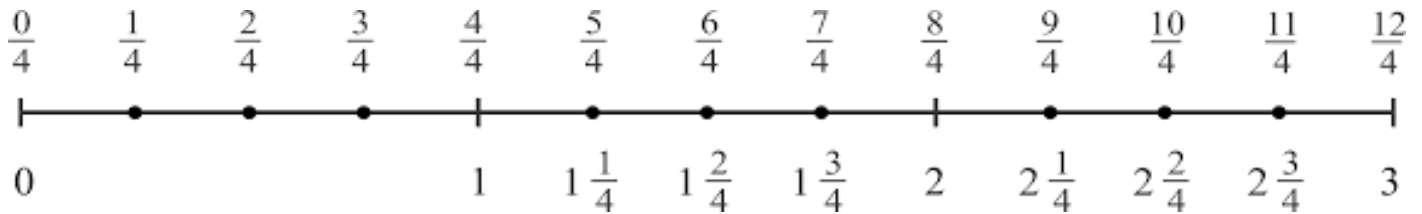
8

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

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

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

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

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.

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Simplify the following fractions:

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

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

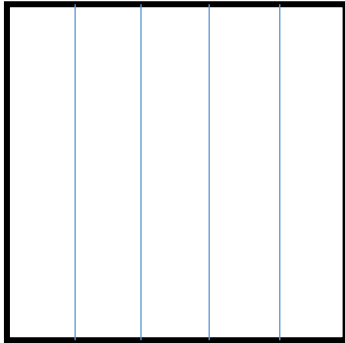
$$\frac{4}{12} =$$

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

HW 26

12

A square is divided into 5 identical rectangles. The perimeter of each rectangle is 12 centimeters. Find the area of the square. A = _____



13

Long division.

$2,889 \div 9 =$

$4,095 \div 19 =$



14

More practice:

$2846 - 879 =$

$305 \times 430 =$

$1233 \times 55 =$

