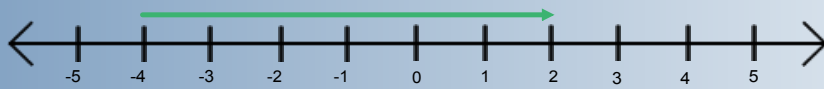


1) What is the range of the following data set:

52, 56, 78, 88, 88, 90, 95, 101

49

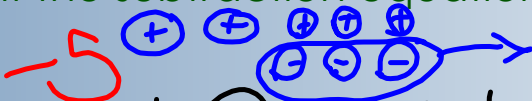
2) What is the addition equation for the number line?



$-4 + 6$

3) Represent the subtraction equation with counters: $(+2) - (-3)$

4) $(-6) - (-1)$



5) Change to Equivalent fractions:



6) 21×0.5

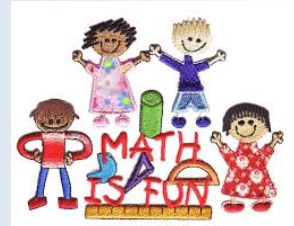


7) What is the median for the data set: 3, 4, 6, 7, 8, 11

8) What number is divisible by 4? a) 234 b) 228 c) 310

9) Put a digit at the end of this number to make it divisible by 3

10) $1/4$ of 20 5 $41 \underline{1}$



QUESTION 11 - PLEASE FILL OUT THE SHEET STEP BY STEP!!!



$$\begin{array}{l} 1 | x^4 \\ \hline 6x^4 = \frac{44}{24} \\ 9x^6 = 54 \\ \hline 4x^6 = 24 \end{array}$$

0.3

$\frac{3}{10}$

0.14

$\frac{14}{100}$

0.875

$\frac{875}{1000}$

$$\begin{array}{l} 7x^3 21 \\ \hline 8x^3 = 24 \\ \hline 1000 \end{array} \quad \begin{array}{l} 875 \div 25 = 35 \\ 35 \div 5 = 7 \\ 40 \div 5 = 8 \end{array}$$

A Solution

a) $8.85 + 12.25 + 10.9 + 9.65 + 14.4$

Use front-end estimation.

Add the whole-number part of each decimal.

Think: $8 + 12 + 10 + 9 + 14 = 53$

Ephram ran about 53 km.

Write each decimal as a fraction in simplest form.

a) $0.\overline{6}$

$$\frac{6}{9} \div 3 = \frac{2}{3}$$

b) $0.\overline{5}$

$$\frac{5}{5} = 1$$

c) 0.41

$$= \frac{41}{99}$$

d) $0.\overline{16}$

$$0.\overline{16}$$

Write each decimal as a fraction.

a) 0.9

b) 0.26

c) 0.45

d) 0.01

e) 0.125

Simplest Form.

$$\frac{9}{10}$$

Write each fraction as a decimal.

i) $\frac{1}{999}$

ii) $\frac{2}{999}$

iii) $\frac{54}{999}$

Write each decimal as a fraction.

a) 0.9

b) 0.26

c) 0.45

d) 0.01

e) 0.125

Write each decimal as a fraction or a mixed number in simplest form.

- a) 0.55 b) $1.\overline{3}$
c) 0.8 d) $0.\overline{07}$

$$\begin{array}{r} 3.41 \\ -1.01 \\ \hline 2.40 \end{array}$$

Two decimals have a sum of 3.41.
 What might the decimals be?
 Find as many answers as you can.

Asafa Powell of Jamaica holds the men's world record for the 100-m sprint, with a time of 9.77 s.
 Florence Griffith Joyner of the United States holds the women's world record, with a time of 10.49 s.
 What is the difference in their times?

$$\begin{array}{r} \hline 3.41 \end{array}$$

$$\begin{array}{r} 9 \\ \cancel{10.49} \\ - 9.77 \\ \hline 0.725 \end{array}$$

Practice

1. Use front-end estimation to estimate each sum or difference.
- a) $2.876 - 0.975$ b) $71.382 + 6.357$
c) $125.12 + 37.84$ d) $9.7 - 1.36$
2. The tallest building in the world is the Taipei 101 in Taiwan. Its height is 0.509 km. The tallest building in North America is the Sears Tower in Chicago, USA. Its height is 0.442 km. What is the difference in the heights of the buildings?
3. Four classes of students from Mackenzie School are planning a field trip. The total cost of the trip is \$1067.50. To date, the classes have raised: \$192.18, \$212.05, \$231.24, \$183.77
- a) How much money have the classes raised so far?
b) How much more money do the classes need to raise in total?
Show your work.



4. **Assessment Focus** A baker wants to make 3 different kinds of chocolate chip cookies. The recipes call for 2.75 kg, 4.4 kg, and 5.55 kg of chocolate chips. The baker has 10.5 kg of chocolate chips.

a) How many kilograms of chocolate chips does the baker need?

Estimate to check your answer is reasonable.

b) Does the baker have enough chocolate chips to make the cookies?

How do you know?

c) The baker wants to follow the recipes exactly.

If your answer to part b is no, how many more kilograms of chocolate chips are needed? If your answer to part b is yes, how many kilograms of chocolate chips will the baker have left over?

6 kg
7.2 kg

40.910
calculator



7. Find two numbers with a difference of 151.297.

$$\begin{array}{r} 4.810 \\ - 0.373 \\ \hline \end{array}$$

9. A student subtracted 0.373 from 4.81 and got the difference 0.108.

a) What mistake did the student make?

b) What is the correct answer?

$$\begin{array}{r} 4.81 \\ - 373 \\ \hline 108 \end{array}$$

$$\begin{array}{r} 4.810 \\ - 0.373 \\ \hline \end{array}$$

10. Two 4-digit numbers were added. Their sum was 3.3.

What could the numbers have been?

Find as many different answers as you can. Show your work.

$$4.437$$