

Do Now:

Write the decimal as a mixed number or fraction.

1. $2.48 = 2 \frac{48}{100} = 2 \frac{12}{25}$

2. $0.\overline{632}$

↑
thousandths
1,000
 $1,000 - 1 = 999$

$\frac{632}{999}$

① $10.46 = 10 \frac{46}{100} = 10 \frac{23}{50}$

② $0.\overline{25}$ (Repeating) $\frac{25}{99}$

5.6 Adding and Subtracting Decimals

7.NS
7.EE

- SWBAT add and subtract decimals.
- SWBAT understand numbers; compute fluently.

- Calculators: No

Year	Dollars (in Billions)
1994	0.906
1995	0.947
1996	1.046
1997	1.08
1998	1.138

Line Up Decimals
 ① $\begin{array}{r} 0.947 \\ + 0.906 \\ \hline 1.853 \end{array}$

a.) How much was spent in 1994 and 1995?

1.853 billion

b.) How much was spent in 1997 and 1998?

$\begin{array}{r} 1.138 \\ + 1.080 \\ \hline 2.218 \end{array}$

2.218 billion

⑨ $\frac{1}{10} \cdot \frac{2}{3}$ LCD: 30 $\frac{2}{30} = \frac{1}{15}$

$\frac{3}{30} \cdot \frac{20}{30} = \frac{60}{900} = \frac{6}{90} = \frac{1}{15}$

Find the sum or difference.

1. $-12.5 + (-4.55)$ Same Signs (add)
 $-12.5 - 4.55 = -17.05$ Different Signs (Subtract)
2. $8.93 + 0.367$
 9.297
3. $-5.3 - 11.49$ Same Signs (Add)
 -16.79
4. $5.376 - 0.8$
 $5.376 + 0.8 = 6.176$

Solve the equation. $x =$

Line Up Decimals

$$\begin{array}{r} x - 1.567 = 3.820 \\ + 1.567 \\ \hline x = 5.387 \end{array}$$

Solve the equation. $m =$

$$m + (-0.36) = 1.4682$$

$$\begin{array}{r} m - 0.36 = 1.4682 \\ + 0.36 \\ \hline m = 1.8282 \end{array}$$

Solve the equation.

1. $1.38 + x = 2.55$

$x = 1.17$

2. $-z - 5.3 = 16.29$

$z = -21.59$

3. $-y - (-0.83) = 0.48$

$y = 0.35$

The world record for men's shot put is 23.12 meters. The Olympic record is 22.47 meters. The gold medal winning throw at the 2004 Summer Olympics was 21.16 meters.

a) How much longer was the world record throw than the gold medal winning throw at the 2004 Olympics?

b) How much longer was the Olympic record throw than the gold medal winning throw at the 2004 Olympics?

The beginning balance was \$83.47

a) Find the balance at the end of the month.

Date	Transaction	Deposit	Withdrawal
1/02	deposit	\$50	
1/10	groceries		\$75.35
1/16	bookstore		\$12.95
1/22	deposit	\$112.81	
1/29	movie rentals		\$13.08
1/31	computer game		\$21.98

b) After the next transaction, the new balance is \$101.25. Was the transaction a deposit or a withdrawal? How much was it?

	million	hundred thousand	ten thousand	thousand	hundred	ten	unit	point	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
Example											
1 million	1	0	0	0	0	0	0	•			
300 thousands		3	0	0	0	0	0	•			
460 thousands		4	6	0	0	0	0	•			
100 thousands		1	0	0	0	0	0	•			
50 thousands			5	0	0	0	0	•			
1 thousand				1	0	0	0	•			
5 hundreds					5	0	0	•			
one ten						1	0	•			
two units							2	•			
point 1									1		
point zero 4										4	
point zero zero seven											7

Exit Pass 5.6

Describe and correct the error in the solution.

$$\begin{array}{r}
 10.43 \\
 +7.521 \\
 \hline
 8.564
 \end{array}$$

Decimal not lined up

"Don't blame the sea if you cannot catch a fish."

Working individually or with a partner, complete the workbook.

Workbook pg.



Reflection of Today's Lesson**5.6 Adding and Subtracting Decimals**

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Homework

pg. 249 #11-31 odds, 42-52 evens

