Warm Up

Add or subtract

1) 204.03 - 56.34

$$
\begin{array}{r}
2\,0\,4.\,0\,3 \\
-\ \ 5\,6.\,3\,4 \\
\hline
1\,4\,7.\,6\,9
\end{array}
$$

2) 94.2 + 1.68

$$
\begin{array}{r}
9\,4.\,2\,0 \\
+\ \ 1.\,6\,8 \\
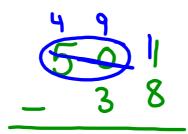\hline
9\,5.\,8\,8
\end{array}
$$

Use rounding to round the following to the Hundredths place

a) 15.679   b) 0.243   c) 2.997

= 15.68   = 0.24   3.00

cut off decimal part

Use front end estimation to estimate the following

247.36 + 3.94 - 1.06

$$247 + 3 - 1$$
$$250 \quad -1$$
$$\approx \boxed{249}$$

$$
\begin{array}{r}
\overset{4}{\cancel{5}}\ \overset{9}{\cancel{0}}\ \ 1\!1 \\
-\ \ \ 3\ \ 8 \\
\hline
\end{array}
$$

$$
\begin{array}{r}
\overset{4}{\cancel{5}}\ \overset{9}{\cancel{0}}\ \ 1 \\
\ \ \ 3\ \ 8 \\
\hline
\end{array}
$$

hundreds tens ones ● tenths hundredths thousandths

Grade 6 Add/Subtract Extra Practice

Name: _____

1. **Use front-end estimation to estimate each sum or difference.**

a) 8.912 + 1.03 + 0.85   b) 3.18 + 5.72 + 0.65   c) 10.5 – 8.3   d) 45.32 – 4.18

≈ 8 + 1 + 0   ≈ 3 + 5 + 0   ≈ 10 - 8   ≈ 45 - 4
≈   9   ≈   8   ≈ 2   ≈ 44

2. **Add or subtract by showing work. Use estimation to check that the answers are reasonable.**

a) 6.47 + 0.09 + 113.82   b) 8.92 – 7.81   c) 3.15 – 2.48   d) 75.86 + 0.38 + 6.91

```
   6.47              8.92           ²·¹⁰           75.86
   0.09            − 7.81           3.15           0.38
+113.82            ──────         − 2.48         + 6.91
──────              1.12          ──────         ──────
120.38                            0.67            83.15
```

3. **Emily bought 4.5 kg of apples, 2.3 kg of oranges, 3.8 kg of bananas, and 1.95 kg of grapes.**

What was the [total mass] she had to carry?

add

```
   4.5 0
   2.3 0
   3.8 0
+ 1.9 5
──────
  12.55
```
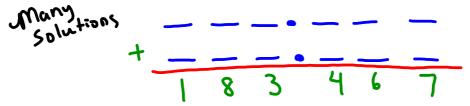
The total mass was 12.55 kg

4. **The Thompsons can take one of two routes to their campsite.** The highway route is 132.4 km. The scenic route is 157.8 km. How much longer is the scenic route compared to the highway route?

Subtract

```
  157.8
− 132.4
──────
   25.4
```

The scenic route is 25.4 km longer.

2

5. During the summer, the average price for a litre of gasoline was $1.245 in Calgary and $1.317 in Vancouver.

   How ~~much more~~ did a litre of gasoline cost in Vancouver than in Calgary? Write your answer to the nearest cent.

(circled: much more) — subtract

$$
\begin{array}{r}
2\;\;1\;\;\\
1.\cancel{3}17 \\
-\,1.245 \\
\hline
0.072
\end{array}
$$

(nearest cent)

A litre of gas in Vancouver is $0.07 more than Calgary.

6. Find two numbers with a sum of 183.467.

Many Solutions

$$
\begin{array}{r}
\;\;-\;-\;-\;\bullet\;-\;-\;- \\
+\;\;-\;-\;-\;\bullet\;-\;-\;- \\
\hline
1\;\;8\;\;3\;\;\;4\;\;6\;\;7
\end{array}
$$

7. A student added 3.46 + 5.291 and got the sum 5.637.

a) What mistake did the student make? → Most likely did not line up •

b) What is the correct answer?

b)
$$
\begin{array}{r}
3.46\,0 \\
+\,5.29\,1 \\
\hline
8.75\,1
\end{array}
$$

Worksheet
📎

Quiz Tomorrow

Complete all questions (Attached on next page)

Grade 6 Addition & Subtraction Review D3

Name: _____

Instructions: Solve the following problems. Show all your work in the space provided under each question.

1) **Add or subtract the following numbers:**
   a) 34.275 + 12.63   b) 89.74 – 56.129   c) 7.015 + 13.27 + 4.6

   d) 102.5 – 37.826   e) 74.201 – 11.99   f) 124.7 + 52.69

   g) 0.875 + 6.49 + 0.03   h) 45.319 – 23.106   i) 63.74 – 29.319

 Solve the following word problems: (Show all work & Include a final sentence)

1) Sarah had $56.92 in her bank account. She deposited $34.75 and later withdrew $12.60 . How much money does Sarah have now?

2) A marathon runner completed one lap of the course in 12.345 minutes, the second lap in 13.56 minutes, and the third lap in 11.275 minutes. What was the total time the runner took to complete all three laps?

3) A tank contains 123.765 liters of water. A pump removes 47.38 liters, and then another 15.009 liters are removed. How much water remains in the tank?

4) 4.56 + 7.01 - 9.825

Attachments

Grade 7 Review of Addition & Subtraction Day 2 Worksheet day 2.pdf

Grade 6 AddSubtract Dec WS D3.docx