

Key words for operations

The words that indicate operations math word problems are:

add	Subtract	Multiply	Divide
addition, sum, both, combined, altogether, more than, perimeter, increase, plus total	subtract, remain, less than, decrease, take away, minus, fewer, how many more are needed, difference.	times, double, of, product, twice, area, each, per, / triple a rate.	divided, half, average, split, quotient, equal groups, share equally, out of, quarter, distribute, finding out cost of each item

Extra Practice 3 Solutions

$$\begin{array}{r}
 \overset{1}{1}a \quad \overset{1}{9}.043 \\
 \quad \quad 0.900 \\
 \quad \quad + 1.150 \\
 \hline
 \quad \quad 11.093
 \end{array}
 \quad
 \begin{array}{r}
 \text{Estimate} \\
 9 \\
 +0 \\
 +1 \\
 \hline
 10
 \end{array}
 \quad
 \begin{array}{r}
 9 \\
 +1 \\
 +1 \\
 \hline
 11
 \end{array}$$

$$\begin{array}{r}
 \overset{1}{1}b) \quad \overset{1}{2}.09 \\
 \quad \quad 4.60 \\
 \quad \quad + 1.80 \\
 \hline
 \quad \quad 8.49
 \end{array}
 \quad
 \begin{array}{r}
 \text{Estimate} \\
 2 \\
 +5 \\
 +2 \\
 \hline
 9
 \end{array}
 \quad
 \begin{array}{r}
 2 \\
 +4 \\
 +1 \\
 \hline
 7
 \end{array}$$

$$\begin{array}{r}
 1b) \quad 9.6 \\
 \quad - 7.4 \\
 \hline
 \quad 2.2
 \end{array}
 \quad
 \begin{array}{r}
 \text{Estimate} \\
 10 \\
 -7 \\
 \hline
 3
 \end{array}$$

$$\begin{array}{r}
 1d) \quad \overset{4}{450.34} \\
 \quad - 5.04 \\
 \hline
 \quad 45.36
 \end{array}
 \quad
 \begin{array}{r}
 \text{Estimate} \\
 50 \\
 -5 \\
 \hline
 45
 \end{array}$$

$$\begin{array}{r}
 2) a) \quad \overset{1}{7}.56 \\
 \quad \quad 0.07 \\
 \quad \quad + 122.70 \\
 \hline
 \quad \quad 130.33
 \end{array}
 \quad
 \begin{array}{r}
 \text{Estimate} \\
 8 \\
 +23 \\
 \hline
 31
 \end{array}
 \quad
 \begin{array}{r}
 \text{or} \\
 7.6 \\
 +0.1 \\
 +122.7 \\
 \hline
 130.4
 \end{array}$$

$$\begin{array}{r}
 2b) \quad 67.85 \\
 \quad - 6.93 \\
 \hline
 \quad 0.92
 \end{array}
 \quad
 \begin{array}{r}
 \text{Estimate} \\
 8 \\
 -7 \\
 \hline
 1
 \end{array}$$

$$\begin{array}{r}
 2c) \quad \overset{1}{12.12} \\
 \quad - 1.68 \\
 \hline
 \quad 0.52
 \end{array}
 \quad
 \begin{array}{r}
 2 \\
 -2 \\
 \hline
 0
 \end{array}$$

$$\begin{array}{r}
 2d) \quad \overset{1}{83}.07 \\
 \quad \quad 0.42 \\
 \quad \quad + 7.70 \\
 \hline
 \quad \quad 91.19
 \end{array}
 \quad
 \begin{array}{r}
 83 \\
 0 \\
 +8 \\
 \hline
 91
 \end{array}$$

$$\begin{array}{r}
 3) \quad \overset{1}{3}.60 \\
 \quad 1.70 \\
 \quad 3.00 \\
 + \quad 2.28 \\
 \hline
 10.58
 \end{array}
 \qquad
 \begin{array}{r}
 \text{Estimate} \\
 4 \\
 2 \\
 3 \\
 + 2 \\
 \hline
 11
 \end{array}$$

Total mass Atthea had to carry was 10.58kg

$$\begin{array}{r}
 4) \quad 189.4 \\
 - 156.7 \\
 \hline
 32.7
 \end{array}$$

The scenic route is 32.7 km longer.

$$\begin{array}{r}
 5) \quad \text{Edmonton } \$1.147 \\
 \quad \text{Victoria } 1.234
 \end{array}$$

$$\begin{array}{r}
 1.234 \\
 - 1.147 \\
 \hline
 0.087
 \end{array}$$

$$\begin{array}{r}
 \overset{1}{1}.23 \\
 - 1.15 \\
 \hline
 0.08
 \end{array}$$

← nearest cent

Round to nearest cent
0.09 more

6) Many Answers

$$\begin{array}{r}
 254.791 \\
 - 10.600 \\
 \hline
 244.191
 \end{array}$$

So

$$\begin{array}{r}
 244.191 \\
 + 10.600 \\
 \hline
 254.791
 \end{array}$$

$$\begin{array}{r}
 7b) \quad \overset{1}{2}.350 \\
 + 4.256 \\
 \hline
 6.606
 \end{array}$$

a) They did not line up the decimal places

1) Riley buys an assorted box of chocolates that contains 18.61 ounces of dark chocolate and 37.23 ounces of milk chocolate. How much do the chocolates weigh in total?

add

$$\begin{array}{r} 18.61 \\ + 37.23 \\ \hline 55.84 \end{array}$$

The total weight is 55.84 oz.

2) Katherine bought cosmetic items which cost \$78.12 in total. She gave \$100 to the shop keeper. How much does she receive as change?

$$\begin{array}{r} 100.00 \\ - 78.12 \\ \hline 21.88 \end{array}$$

$$\begin{array}{r} 100.00 \\ - 78.12 \\ \hline 21.88 \end{array}$$

Her change should be \$21.88.

3) A mixture is obtained by mixing two products A and B respectively. Product A weighs 234.56 grams and the mixture weighs 988.76 grams. How much does Product B weigh?

$$\begin{array}{r} 988.76 \\ - 234.56 \\ \hline 754.20 \end{array}$$

Product B weighs 754.20g

Evaluate the following

4) $105.307 + 12.3 + 6.25$

$$\begin{array}{r} 105.307 \\ + 12.300 \\ + 6.250 \\ \hline 123.857 \end{array}$$

5) $201.3 - 12.78$

$$\begin{array}{r} 201.30 \\ - 12.78 \\ \hline 188.52 \end{array}$$

6) Round the following to the underlined position

a) 12.369

U

12.37

b) 5.307

U

5.3

c) 0.1297

U

0.1

d) 14.987

U

15.0

Worksheet



Decimals

Name _____

Grade 7 Review of Addition & Subtraction

Date _____

Evaluate each expression.

1) $0.9 + 2.2$

2) $1.7 + 0.5$

3) $4.78 - 2.9$

4) $7.6 - 2.9$

5) $4.7 + 0.3$

6) $2.6 + 2.28$

7) $5.37 + 6.4$

8) $3.2 + 4.3$

9) $7.5 + 2.2$

10) $3.5 + 1.3$

11) $6.3 + 6.4 + 6.136$

12) $6.02 + 11.5 + 6.8$

13) $0.1 + 7 + 6.4$

14) $7.66 + 2.6 + 6$

15) $102.9 + 12.1 + 4.06$

16) $8 - 1.34$

17) $91.45 - 3.5$

1.5

18) $5.43 + 1.5 - 3.3$

3.63

19) Jim wants to buy a Phone for \$786. 62. Jim already has \$297 saved, how much more does he have to earn to buy the phone?

20) Tim travelled 4.765 km on his bike then walked 0.4 km, how far did Tim travel in total?

21) Round the following to the tenths place

a) 14.27

b) 1247. 65

c) 0.31

d) 42.98

Round each to the place indicated.

22) 1.758971

23) 9.9480

24) 9.05755

25) 9.664

26) 5.5241

27) 2.161286

Attachments

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