Math Practice Sheets

Add and Subtract Whole Numbers and Decimals Part II

Examples

Practice Questions

Extra Challenge Unit

Student Name

_____

Unit 3.1	Add and Subtract Whole Numbers and Decimals

Example

Which number makes this sentence true?

2 + 3 > [?] - 3

⬇

2 + 3 > [7] - 3

a) 9   b) 10

c) 11   d) 7 ✓

- -

Which number makes this sentence true?

6 - [?] < 1 + 2

⬇

6 - [4] < 1 + 2

a) 1   b) 2

c) 4 ✓   d) 0

Exercise

1. Which numbers makes the given sentences true? Tick (√) and fill the correct answer.

i.   2 > 10 - ?

⬇

2 > 10 - ___

a) 7   b) 5

c) 9   d) 6

___

ii.   6 < 13 - ?

⬇

6 < 13 - ___

a) 6   b) 10

c) 8   d) 9

___

iii.   15 = ? + 7

⬇

15 = ___ + 7

a) 7   b) 9

c) 6   d) 8

___

Add and Subtract Whole Numbers and Decimals

Exercise

iv.

? + 9 > 20

⬇

___ + 9 > 20

a) 10   b) 12

c) 9   d) 8

---

v.

25 - ? < 8

⬇

25 - ___ < 8

a) 16   b) 15

c) 18   d) 14

---

vi.

4 + 7 > ? - 2

⬇

4 + 7 > ___ - 2

a) 14   b) 12

c) 15   d) 16

---

vii.

? + 4 > 5 + 8

⬇

___ + 4 > 5 + 8

a) 10   b) 8

c) 7   d) 6

---

viii.

11 - ? > 7 - 2

⬇

11 - ___ > 7 - 2

a) 7   b) 8

c) 5   d) 9

---

ix.

24 - ? < 4 + 6

⬇

24 - ___ < 4 + 6

a) 13   b) 15

c) 12   d) 11

---

x.

5 + 7 > ? - 4

⬇

5 + 7 > ___ - 4

a) 17   b) 18

c) 15   d) 19

Exercise

Solve the problems below.

2. Which book is less? Explain.

225 + 40 Math books

300 - 40 English books

3. Which animal is more? How?

830 - 55   Tigers

44 + 733   Bear

4. Which of the following sign is correct?

50,000 + 20,000 ☐ 90,000 - 20,000

a) >

b) <

c) =

d) ≥

5. Out of 3,524,719 population of a city; 708,655 are children. How many are adults? In adult or children, whose population is more?

6. Carter has 35 pens. He buys 60 more pens. Cristina has 160 pens. She lost 55 pens. Now who has more pens?
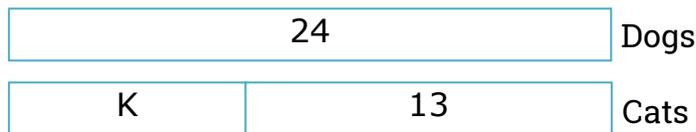
Unit 3.2	Problem Solving and Write Equations

Example

The table at right shows the pets owned by fifth graders. How many less cats do they have than dogs?

Student's pets	
Pets	Number of students
Dogs	24
Cats	13
Fish	9

You can draw a picture to solve the problem.
i.e.

24	Dogs

K	13	Cats

Then, write an equation.
Let k = the number of additional cats,
then $24 - 13 = k$

$$\begin{array}{r} 2\ 4 \\ -\ 1\ 3 \\ \hline 1\ 1 \end{array}$$

So, they have 11 less cats than dogs.

Exercise

1. Use the information above. How many more dogs do they have than fish? Draw a picture and write an equation to solve.

2. Mathew is adding all pets. How do you know his sum will be less than 50? Explain.

Exercise

3.   Eva's dad spent $25 for tickets to a game and $36 for snack. How much did he spend in all? Complete the picture. Then write an equation and solve.

Ticket   Snack
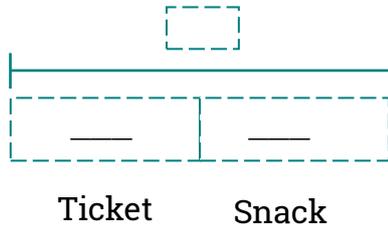
4.   Kendra is driving 88 miles to the beach. She has driven 37 miles. How many more miles does Kendra still have to drive? Complete the picture. Then write an equation and solve.

37

5.   George had some books and then gave 14 of them away. He has now 19 left. How many books did George have to begin with?

6.   There are 65 students in grade four. That is 18 more students than in grade five. How many students are in grade five?

Problem Solving and Write Equations

Exercise

Solve the problems below.

Use the table to answer the following questions.

U.S. Representatives				
State	California	Florida	Michigan	Texas
Number	53	25	15	32

7. New York has 24 less representatives than California. How many representatives does New York have?

8. Draw a diagram and write an equation to find how many more representatives Texas has than Michigan?

9. Which one of the following shows the total representatives from the four states listed in the chart?

   a) 120   b) 125

   c) 130   d) 135

10. There are 435 members in the House of Representatives. How many more members are there from other forty-six states than given four states?

Adding and Subtracting Decimals

Example

To add or subtract the decimal numbers, first arrange them in a vertical line according to their place value of the digits. Then add or subtract the digits of the same places. Put the decimal point of the sum or difference vertically below the other decimal points.

Add: 4.738 and 3.987

$$
\begin{array}{r}
{\color{red}1\,1} \\
4\,.\,7\,3\,8 \\
+\ 3\,.\,9\,8\,7 \\
\hline
8\,.\,7\,2\,5 \\
\end{array}
$$

[4.738 + 3.987 = 8.725]

Subtract: 7.845 - 3.893

$$
\begin{array}{r}
{\color{red}6\ \ 17\,14} \\
7\,.\,8\,4\,5 \\
-\ 3\,.\,8\,9\,3 \\
\hline
3\,.\,9\,5\,2 \\
\end{array}
$$

[7.845 - 3.893 = 3.952]

Exercise

1. Add the following.

a)
$$
\begin{array}{r}
2\,.\,3\,4\,5 \\
+\ 4\,.\,4\,3\,4 \\
\hline
\end{array}
$$

b) 28.372 + 7.025

c) 12.539 + 20.773

d)
$$
\begin{array}{r}
9\,.\,4\,8\,5 \\
+\ 1\,0\,.\,3\,7\,8 \\
\hline
\end{array}
$$

e)
$$
\begin{array}{r}
1\,8\,.\,1\,2\,5 \\
+\ 1\,5\,.\,5\,2\,0 \\
\hline
\end{array}
$$

f) 6.125 + 18.6

Exercise

2. Subtract the following.

a)
```
  2 4 . 2 4
- 1 4 . 6 5
_____
```

b) 4.578 - 2.634

c) 198.52 - 13.75

d)
```
  9 8 5 . 2 1
-   8 9 . 8 9
_____
```

e)
```
  2 0 . 9 0 3
-   3 . 0 7 9
_____
```

f) 48. 981 - 20.952

3. Find sum or difference.

a)
```
  5 3 . 4 8 9
+ 2 1 . 4 9 3
_____
```

b)
```
  2 3 . 0 5 8
- 1 0 . 9 8 9
_____
```

c) 40.58 - 25.497

d) 23.58 + 22.938

e)
```
  2 8 0 . 3 5 8
- 1 4 0 . 2 6 5
_____
```

f)
```
  4 0 5 . 0 3 9
+   3 4 . 9 5 6
_____
```

Adding and Subtracting Decimals

Exercise

Solve the problems below.
Use the table to answer the given questions.

Cockroach	Australian	American	Oriental
Length (in cm)	3.58	3.6	3.432

4.   Find the total length of American and Oriental cockroaches.

5.   Compare the length of Australian and Oriental cockroaches. Which one is longer? How?

6.   Which one of the following shows the total length of all three cockroaches?

        a) 10.61   b) 10.6

        c) 10.6123   d) 10.612

7.   Juliet says oriental cockroach is 0.168 centimeters shorter than American cockroach. Is Juliet correct? Why?

Adding and Subtracting Money

Example

Adding $4.73 and $3.98 is same as adding decimal numbers 4.73 and 3.98. i.e.

$$
\begin{array}{r}
\$4\ .\ 7\ 3 \\
+\ \ \$3\ .\ 9\ 8 \\
\hline
\$8\ .\ 7\ 1
\end{array}
$$

$$\$4.73 + \$3.98 = \$8.71$$

Similarly, subtracting $7.84 from $3.89 is same as subtracting decimal numbers 7.84 - 3.89. i.e.

$$
\begin{array}{r}
\$7\ .\ 8\ 4 \\
-\ \ \$3\ .\ 8\ 9 \\
\hline
\$3\ .\ 9\ 5
\end{array}
$$

$$\$7.84 - \$3.89 = \$3.95$$

Exercise

1. Find the sum of the following money.

a)
$$
\begin{array}{r}
\$2\ 6\ .\ 7\ 5 \\
+\ \ \$1\ 7\ .\ 2\ 5 \\
\hline
\end{array}
$$

b) $345.80 + $62.21

c) $24.50 + $182.05

d)
$$
\begin{array}{r}
\$4\ 1\ .\ 3\ 9 \\
+\ \ \$4\ 1\ .\ 6\ 9 \\
\hline
\end{array}
$$

e)
$$
\begin{array}{r}
\$2\ 0\ .\ 6\ 0 \\
+\ \ \$8\ 3\ .\ 2\ 9 \\
\hline
\end{array}
$$

f) $16.35 + $8.27

Adding and Subtracting Money

Exercise

2. Find the difference of the following money.

a)
$$\begin{array}{r} \$4\,0\ .\ 5\,0 \\ -\ \$1\,5\ .\ 2\,5 \\ \hline \end{array}$$

b) $85.22 - $12.35

c) $6.09 - $2.34

d)
$$\begin{array}{r} \$9\,3\ .\ 7\,0 \\ -\ \ \ \$9\ .\ 9\,9 \\ \hline \end{array}$$

e)
$$\begin{array}{r} \$2\,6\,7\ .\ 0\,0 \\ -\ \$1\,2\,8\ .\ 2\,5 \\ \hline \end{array}$$

f) $47.50 - $19.25

3. Add or subtract the following money.

a)
$$\begin{array}{r} \$7\,2\ .\ 4\,5 \\ +\ \$1\,4\ .\ 7\,8 \\ \hline \end{array}$$

b)
$$\begin{array}{r} \$8\,1\ .\ 7\,0 \\ -\ \$5\,5\ .\ 5\,5 \\ \hline \end{array}$$

c) $54.46 - $32.75

d) $456.12 + $8.50

e)
$$\begin{array}{r} \$5\,0\ .\ 5\,0 \\ -\ \$2\,8\ .\ 7\,5 \\ \hline \end{array}$$

f)
$$\begin{array}{r} \$9\,8\,7\ .\ 2\,5 \\ +\ \ \ \$2\,1\ .\ 2\,1 \\ \hline \end{array}$$

Adding and Subtracting Money

Exercise

Solve the problems below.
Use the table to answer the following questions.

Item	Sharpener	Eraser	Marker	Pencil	Sticker
Price	$0.62	$1.42	$1.38	$0.56	$0.15

4. Find the total cost of a marker, a sticker, and an eraser.

5. Compare the price of an eraser and a pencil. Which one is cheaper and by how much?

6. The total cost of all 5 items is

    a) $4.13   b) $4.31

    c) $5.13   d) $3.13

7. Pablo has $2.80. Which two items can be buying exactly?

8. Write any two different items whose total cost is less than $1.

Unit 3.5 Problem Solving Multi-Step Problem

Example

Henry has $25. He gets $40 from dad and $15 from mom. He spends $16 on movies and $34 on books. How much money does Henry have now?

First, find the total money which Henry has.

i.e.

? total money

| $25 | $40 | $15 |

$25 + $40 + $15 = $80

Then, find his expenditure.

i.e.

? total expenditure

| $16 | $34 |

$16 + $34 = $50

Subtract the total money from the total expenditure. i.e. $80 - $50 = $30

So, Henry has $30.

Exercise

1. Julie has 16 Math books, 12 English books, and 15 Science books. She arranges 30 books in a shelf. How many books are left to arrange?

2. There are 45 boys, 36 girls, and 10 teachers in a ground. 40 boys and 25 girls are playing. How many students are not playing?

Exercise

3. You have a $1 bill and a $5 bill. If you buy a rose cost $2.50 and an apple costs $1.25, how much money is left with you?

4. Victoria wants to buy a calculator for $62.00 and a story book for $12.75. She has a coupon for $5.50 off the price of the calculator. How much money owe Victoria for her total purchase?

5. Dennis earned $14 on Sunday, $22 on Monday, and $30 on Tuesday. He spent $15 on stationary and $35 on clothes. How much money did Dennis have left?

6. Nicole studies 3 hours each weekday. On Saturday and Sunday, she studies an hour longer than during the week. How many hours does she study each week?

Exercise

Solve the problems below.

Use table to answer the following questions.

Jobs	Driving	Walking dogs	Singing	Raking Leaves	Dancing
Earnings (Per day)	$35.00	$12.25	$28.75	$10.00	$25.50

7. Owen earned money doing the job driving and singing. If he spent $40 for petrol. How much money is left with Owen?

8. Akira earned $37.75 doing two jobs mentioned above. Which job was done by Akira?

    a) Walking dogs and singing   b) Singing and dancing

    c) Walking dogs and dancing   d) Singing and racking leaves

9. Which two jobs have greater difference in earning? Explain.

10. How much money can be collected if one do all the job mentioned above?

Exercise

1. Use the given graph to answer the following question which shows the country and their players in Olympic game.
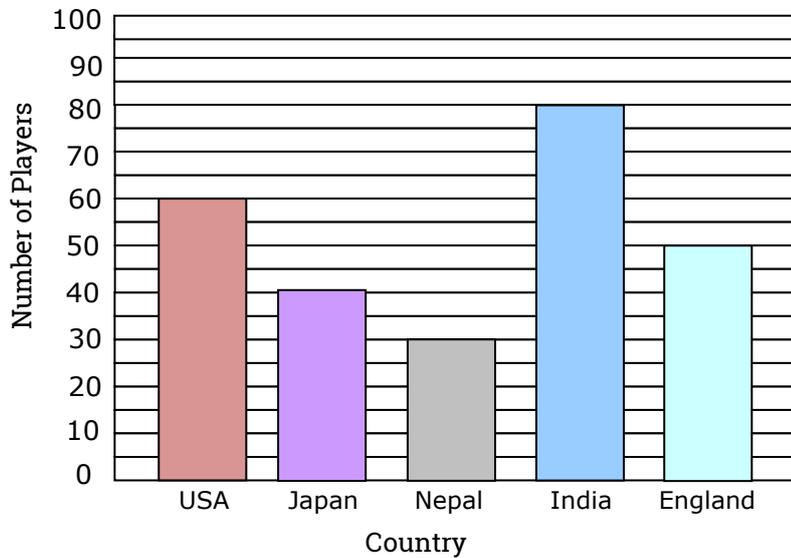
a) Find the number of players of each country.

b) Which two countries have more players in the match?

c) Which two countries have fewer players in the match?

d) If you add the numbers of two countries, you can get the number of players of another country exactly. Which country is that?

e) Find the total number of players.

Exercise

2.   The pyramid of Menkaure measured 65.50 meters high. The pyramid of Khafre measured 143.50 meters high. Is their combined height is more than 200 meters? Why or why not?

3.   A skirt cost is $28 and a hat cost is $15. Jasmine buys a skirt and two hats. How much change she should get from $100?

4.   How can you subtract 56.23 from 192.5? How is finding 192.5 - 56.23 similar to finding $192.5 - $56.23? How it is different?

5.   Is 2,005 - 875 about the difference of 1,200? Explain.

Exercise

Use the table to answer the following questions.

Item	Jacket	Pant	Shirt	Sweater
Cost	$475	$50	$25	$250

6. Louis has $500. Exactly which two items can he buy?

7. Felicia wants to buy a sweater and a pant. She has a coupon for $25 off the price of sweater. How much money will Felicia owe for her total purchase?

8. Kate has $100 bill and a $10 bill. She buys a pant and a shirt. How much money does Kate have left?

9. Brett has $1,000. Can he buy all four items? Why or why not?

Congratulations!

You have finished a lesson. You should be very proud of yourself.
Now it is time to progress to the next lesson.
Your next assignment is notated by a green arrow.

Lesson 1   Numeration Review
Lesson 2   Add and Subtract Whole Numbers and Decimals Part I
Lesson 3   Add and Subtract Whole Numbers and Decimals Part II
Lesson 4   Multiplying Whole Numbers Part I
        Unit 4.1   Multiplication Properties
        Unit 4.2   Using Mental Math to Multiply
        Unit 4.3   Estimating Products

Next →   Unit 4.4   Multiplying by 1-Digit Numbers
        Unit 4.5   Multiplying by 2-Digit Numbers
        Unit 4.6   Multiplying by 3-Digit Numbers
        Unit 4.7   Math Challenges
Review 1   Review of Lesson 1, 2, 3, and 4
Lesson 5   Multiplying Whole Numbers Part II
Lesson 6   Division: 1-Digit Divisor
Lesson 7   Division: 2-Digit Divisor
Lesson 8   Variables and Expressions
Review 2   Review of Lesson 5, 6, 7, and 8
Lesson 9   Multiplying and Dividing Decimals Part I
Lesson 10   Multiplying and Dividing Decimals Part II
Lesson 11   Shapes
Lesson 12   Fractions Part I
Review 3   Review of Lesson 9, 10, 11, and 12
Lesson 13   Fractions Part II
Lesson 14   Fraction and Mixed Numbers Operation Part I
Lesson 15   Fraction and Mixed Numbers Operation Part II
Lesson 16   Perimeter and Area
Review 4   Review of Lesson 13, 14, 15, and 16
Lesson 17   Shapes and Solids Part I
Lesson 18   Shapes and Solids Part II
Lesson 19   Measurement Units, Time, and Temperature Part I
Lesson 20   Measurement Units, Time, and Temperature Part II
Review 5   Review of Lesson 17, 18, 19, and 20
Lesson 21   Solving Equations
Lesson 22   Ratio, Percent, and Proportion
Lesson 23   Equations and Graphs Part I
Lesson 24   Equations and Graphs Part II
Review 6   Review of Lesson 21, 22, 23, and 24
Lesson 25   Graphs and Data
Lesson 26   Transformation, Congruence, and Symmetry
Lesson 27   Probability
Review of Lesson 1 to 14
Review of Lesson 15 to 27

Answer Key of Lesson 3

Unit 3.1

1. i) c   ii) a   iii) d   iv) b
   v) c   vi) b   vii) a   viii) c
   ix) b   x) c
2. English books   3. Bear; 2   4. c
5. 2,816,064; Adult   6. Cristina

Unit 3.2

1. a) 24-9=15   3. $25+$36=$61   4. 88-37=51 miles
5. 33   6. 47   7. 29   8. 32-15=17
9. b   10. 310

Unit 3.3

1. a) 6.779   b) 35.397   c) 33.312   d) 19.863
   e) 33.645   f) 24.725
2. a) 9.59   b) 1.944   c) 184.77   d) 895.32
   e) 17.824   f) 28.029
3. a) 74.982   b) 12.069   c) 15.083   d) 46.518
   e) 140.093   f) 439.995
4. 7.032   5. Australia; 3.58-3.432=0.148 cm   6. d
7. yes

Unit 3.4

1. a) $44   b) $408.01   c) $206.55   d) $83.08
   e) $103.89   f) $24.62
2. a) $25.25   b) $72.87   c) $3.747   d) $83.71
   e) $138.75   f) $28.25
3. a) $87.245   b) $26.15   c) $21.709   d) $464.623
   e) $21.75   f) $1,008.46
4. $2.95   5. $1.42 > 0.56; $0.86   6. a
7. Eraser and marker   8. Pencil and sticker; sharper and sticker

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Unit 3.5

1. 13   2. 16   3. $2.25   4. 69.25
5. $16   6. 23 hr   7. 23.75   8. c
9. Driving and Racking leaves   10. $111.5

Unit 3.6

1. a) USA=60; Japan=40; Nepal=30; India=80; England=50
   b) India and USA   c) Nepal and Japan   d) Nepal and England=USA
   e) 260   2. yes; 65.50+143.50=209   3. $42
4. $136.27   5. no; 1,100   6. Jacket and shirt
7. $275   8. $35   9. yes; $475+$50+$25+$250=$800