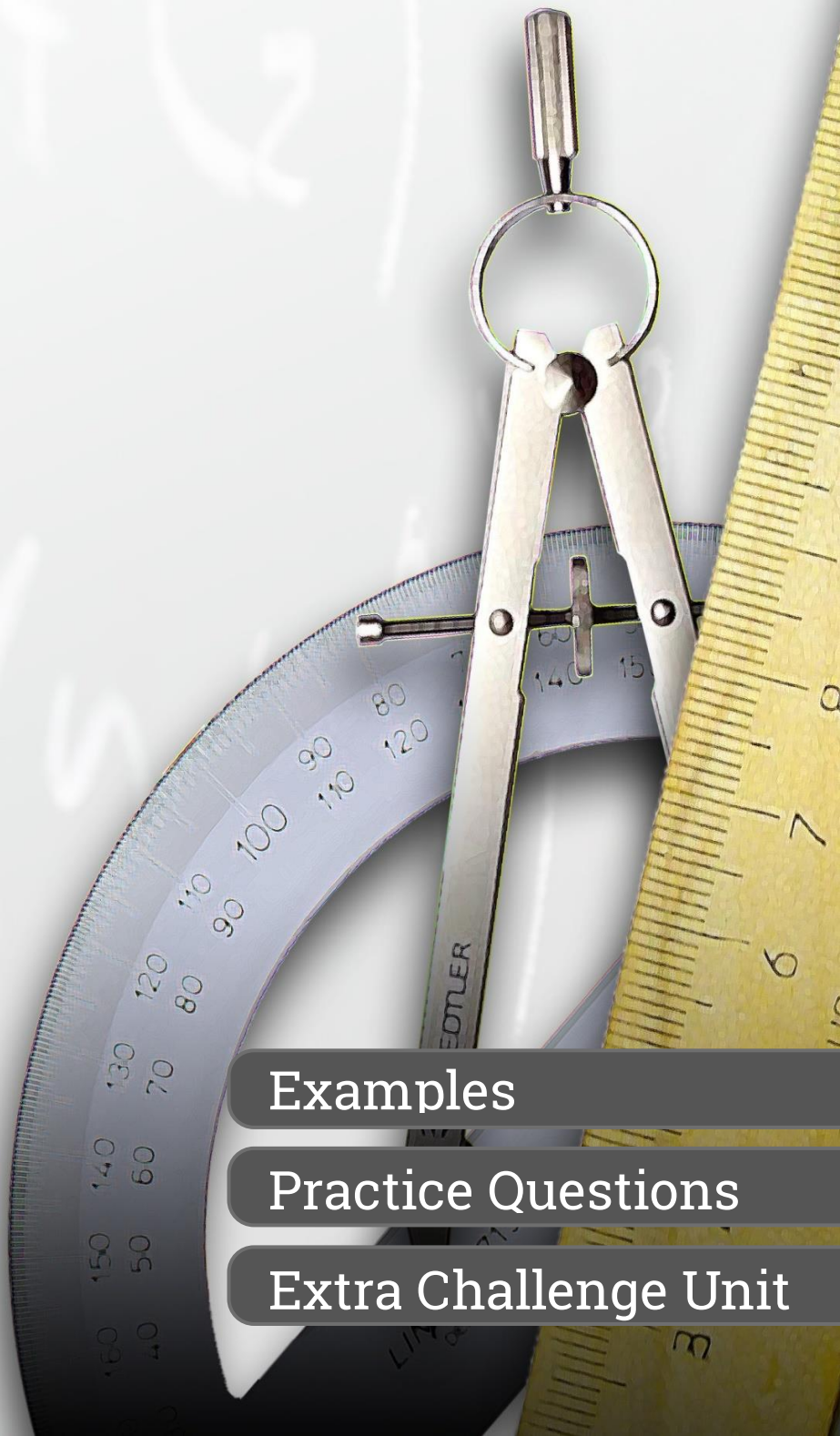
Grade 3 – Lesson 4

# Math Practice Sheets

## Addition of Whole Numbers Part II



- Examples
- Practice Questions
- Extra Challenge Unit

Student Name

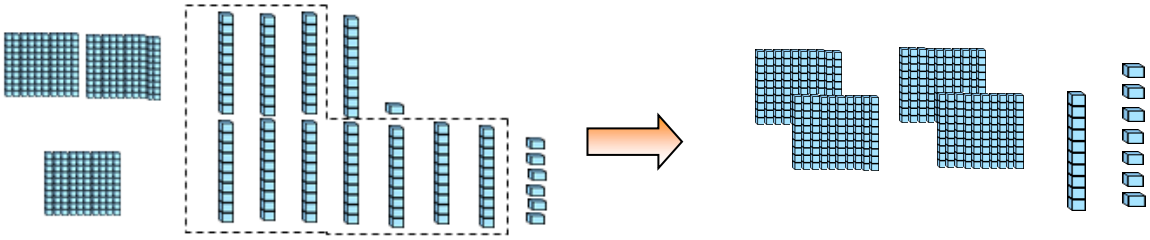
_____

Unit 4.1

# Adding Whole Numbers

Example

Find 241 + 176.



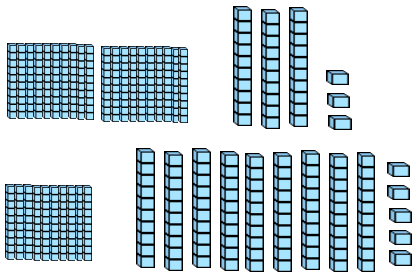
- Add ones (6+1=7)
- Add tens (7 + 3 + 1) = 10 + 1 means 1 hundred and 1 ten
- Add hundreds (1 + 2 + 1 = 4)

241 + 176 = 417

Exercise

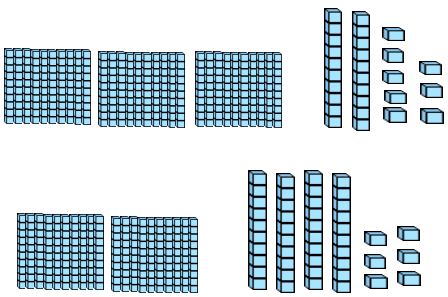
1. Count and add.

a)



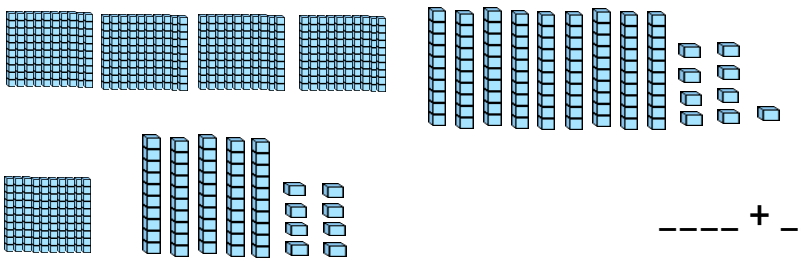
_____ + _____ = _____

b)



____ + ____ = ____

c)



____ + ____ = ____

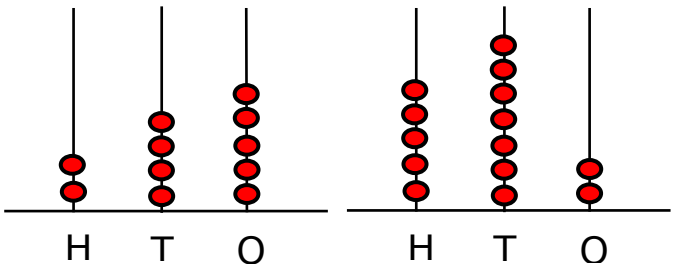
Unit 4.1

# Adding Whole Numbers

Exercise

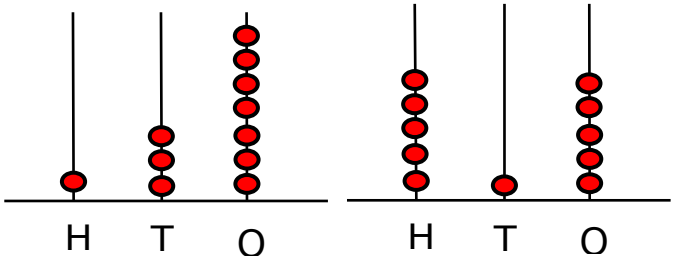
2. Find the sum.

a)



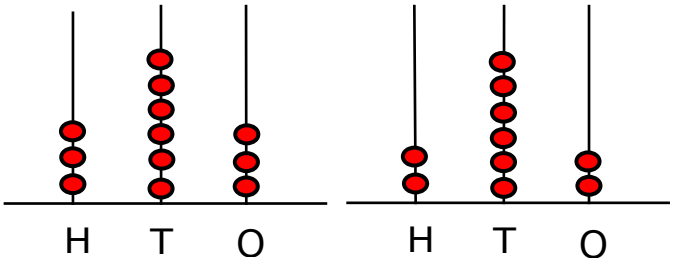

245 + 572 = ____

b)



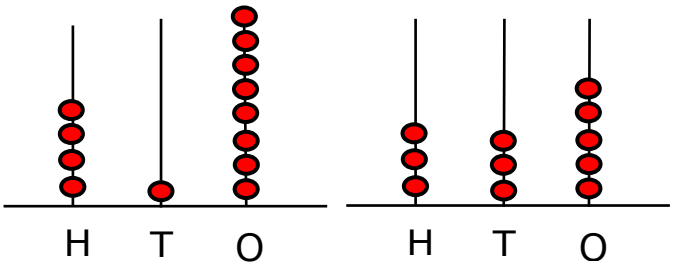

____ + ____ = ____

c)



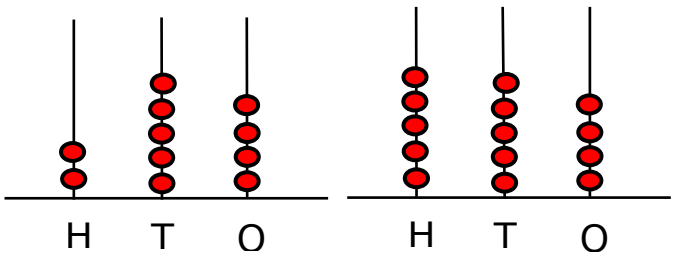

____ + ____ = ____

d)




____ + ____ = ____

e)




____ + ____ = ____

Unit 4.1

# Adding Whole Numbers

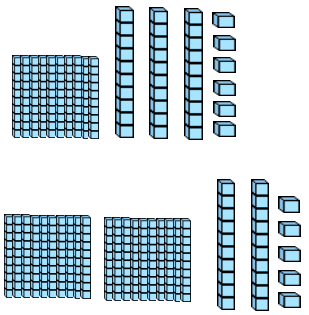
Exercise

Solve the problems below.

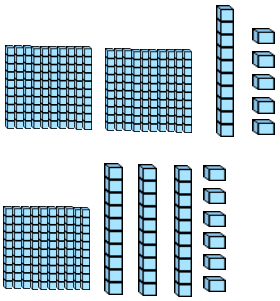
3. Jacob elementary school had an all-you-can-eat pizza party for the entire school. They made 128 slices of pepperoni pizza and 245 slices of cheese pizza. How many slices of pizza did they make altogether?

4. Which place value blocks shows that 136 + 215 = 351?

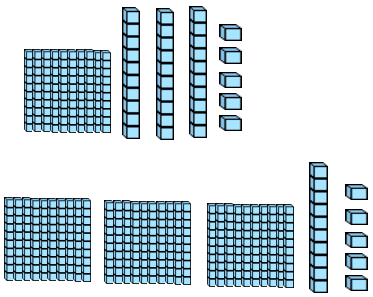
a)



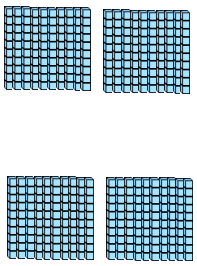
b)



c)



d)



5. In a zoo, there are 270 birds, 160 monkeys, and 305 snakes. How many animals are in the zoo?

Unit 4.2

# How to Add 3-Digit Numbers

Example

Estimate. Then find the sum of 245 + 587.

```
  1 1
  2 4 5
+ 5 8 7
-------
  8 3 2
```

Estimate by rounding.
200 + 600 = 800
So, 245 + 587 is about 800.

- Add the ones (7+5=12)
- Add the tens (8+4+1=13)
- Add the hundreds (5+2+1=8)

Exercise

1. Add the following using estimation.

a)

```
  3 5 7
+ 2 4 6
-------
```

b)

543 + 198 = ____

c)

475 + 165 = ____

d)

```
  8 6 4
+ 2 0 7
-------
```

e)

```
  6 2 7
+ 5 6 3
-------
```

f)

408 + 512 = ____

Unit 4.2

# How to Add 3-Digit Numbers

Exercise

Solve the problems below.

2. Morgan counted 355 big fish and 179 small fish in the pond. How many fish did he count altogether?

3. A motorcycle traveled 247 miles in one day and 158 miles in another day. How many miles did the motorcycle travel in the two days?

a) 395 miles

b) 305 miles

c) 450 miles

d) 405 miles

4. At the basketball game, 241 adult tickets were sold and 160 student tickets were sold. How many tickets were sold for the basketball game?

There were _____ adult tickets sold.

There were _____ student tickets sold.

There were _____ total tickets sold.

$$\begin{array}{r} 241 \\ +\ 160 \\ \hline \end{array}$$

5. Raul has 238 books and 175 pens. How many books and pens does Raul have? Add vertically and then add horizontally.

Unit 4.3

# Exploring Addition of 3 or More Numbers

Example

Add: 123 + 356 + 289.

```
  1 1
  1 2 3
  3 5 6
+ 2 8 9
-------
  7 6 8
```

Add the ones (9 + 6 + 3 = 18)
Add the tens (8 + 5 + 2 + 1 = 16)
Add the hundreds (2 + 3 + 1 + 1 = 7

18 ones means
1 ten and 8 ones.

16 tens means
1 hundred and 6 tens.

Exercise

1. Add the following.

a)

```
  8 2
  5 6
+ 9 4
-----
```

b)

```
  5 6 7
  1 9 8
+ 2 3 4
-------
```

c)

```
  3 7 4
    6 5
+ 2 9 5
-------
```

d)

```
  2 5 8
    4 4
+   3
-----
```

e)

564 + 27 + 9 = ____

f)

2 + 67 + 39 = ____

Unit 4.3

# Exploring Addition of 3 or More Numbers

Exercise

Solve the problems below.

2. You have 18 dimes, 25 quarters, 146 pennies, and 9 nickels. How many coins do you have?

3. A village has 155 men, 104 women, and 215 children. How many people are there in the village?

a) 374

b) 474

c) 464

d) 574

4. There are 300 Storybooks, 100 Math Books, and 200 Science Books in the library. How many books are there in the library?

5. 590 tourists visited Florida in January, 218 in February, and 106 in March. How many tourists visited Florida during these three months?

Unit 4.4

# Addition Pattern with Place Values

Example

Add: 345 + 631.

$$\begin{array}{r} 345 \\ +\ 631 \\ \hline 976 \end{array} = \begin{array}{l} 300 + 40 + 5 \\ 600 + 30 + 1 \\ \hline 900 + 70 + 6 \end{array}$$

- Add ones place
- Add tens place
- Add hundreds place

Exercise

1. Add the following.

a)

$$\begin{array}{r} 257 \\ +\ 531 \\ \hline \square \end{array} = \begin{array}{l} \square + \square + \square \\ \square + \square + \square \\ \hline \square + \square + \square \end{array}$$

b)

$$\begin{array}{r} 681 \\ +\ 115 \\ \hline \square \end{array} = \begin{array}{l} \square + \square + \square \\ \square + \square + \square \\ \hline \square + \square + \square \end{array}$$

c)

$$\begin{array}{r} 432 \\ +123 \\ \hline \square \end{array} = \begin{array}{l} \square + \square + \square \\ \square + \square + \square \\ \hline \square + \square + \square \end{array}$$

Unit 4.4

# Addition Patterns with Place Values

Exercise

d)

$$\begin{array}{r} 324 \\ +565 \\ \hline \square \end{array} = \square + \square + \square = \begin{array}{r} \square + \square + \square \\ \square + \square + \square \\ \hline \square + \square + \square \end{array}$$

e)

$$\begin{array}{r} 765 \\ +132 \\ \hline \square \end{array} = \square + \square + \square = \begin{array}{r} \square + \square + \square \\ \square + \square + \square \\ \hline \square + \square + \square \end{array}$$

f)

$$\begin{array}{r} 143 \\ +821 \\ \hline \square \end{array} = \square + \square + \square = \begin{array}{r} \square + \square + \square \\ \square + \square + \square \\ \hline \square + \square + \square \end{array}$$

g)

$$\begin{array}{r} 430 \\ +340 \\ \hline \square \end{array} = \square + \square + \square = \begin{array}{r} \square + \square + \square \\ \square + \square + \square \\ \hline \square + \square + \square \end{array}$$

h)

$$\begin{array}{r} 260 \\ +515 \\ \hline \square \end{array} = \square + \square + \square = \begin{array}{r} \square + \square + \square \\ \square + \square + \square \\ \hline \square + \square + \square \end{array}$$

Unit 4.4

# Addition Patterns with Place Values

Exercise

2. Find the missing numbers.

a) $\square + 200 = 500$

b) $\square + 400 = 600$

c)
$$\begin{array}{r} \square \\ +\ 30 \\ \hline 80 \end{array}$$

d)
$$\begin{array}{r} 20 \\ +\ \square \\ \hline 90 \end{array}$$

e)
$$\begin{array}{r} 400 \\ +\ \square \\ \hline 500 \end{array}$$

f) $\square + 500 = 900$

g)
$$\begin{array}{r} \square \\ +\ 20 \\ \hline 40 \end{array}$$

h)
$$\begin{array}{r} 100 \\ +\ \square \\ \hline 700 \end{array}$$

i)
$$\begin{array}{r} 300 \\ +\ \square \\ \hline 600 \end{array}$$

j) $\square + 100 = 800$

Unit 4.4

# Addition Patterns with Place Values

Exercise

Solve the problems below.

3. There are 600 oranges in one box and 500 oranges in another box. How many oranges are there altogether?

4. In a computer department, there are 126 computers. 234 other computers are brought into the same department. How many computers are there altogether?

a) 350 b) 306

c) 360 d) 370

5. There are 80 students in grade three. If 50 are boys, how many are girls?

$$\begin{array}{r} \\ +\ 5\,0 \\ \hline \boxed{8\,0} \end{array}$$

_____girls

6. In a library, there are 146 Math Books and 452 English Books. Find the total number of books in the library.

$$\begin{array}{r} 1\,4\,6 \\ +\ 5\,2 \\ \hline \boxed{\phantom{00}} \end{array} = \frac{\boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}}}{\boxed{\phantom{0}} + \boxed{\phantom{0}} + \boxed{\phantom{0}}}$$

Unit 4.5

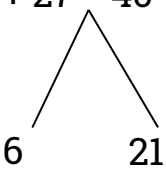
# Balance Addition Equations

Example

34 + 27 = 40 + ?

Oh!
34 + 27
and
40 + 21 are
balancing.

34 + 27 = 40 + 21




Think!
34 + 6 = 40
and
34 + 27 = 40 + 21

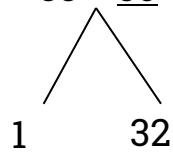
Equations balance when they equal the same number.

Exercise

1. Fill in the blanks.

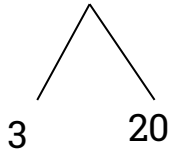
a)

49 + 33 = 50 + ___



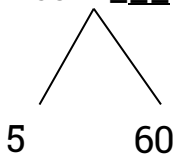

b)

47 + 23 = ___ + 20



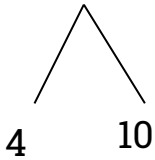

c)

25 + 65 = ___ + ___




d)

46 + 14 = ___ + ___




e)

34 + 48 = ___ + ___

f)

19 + 34 = ___ + ___

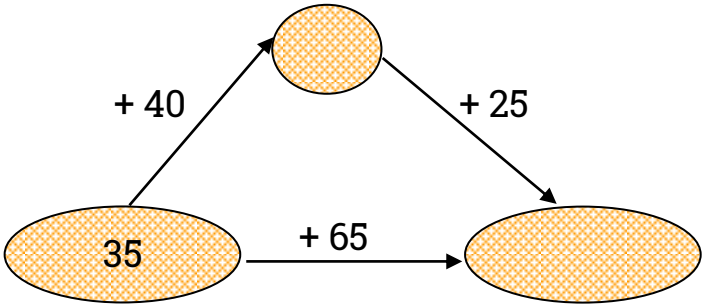
Unit 4.5

# Balance Addition Equations

Exercise

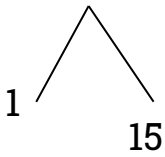
Solve the problem below.

2. Write the missing numbers.




3. Which numbers make the given equation true?

49 + 16 = ___ + ___




a) 49+15
b) 50+16
c) 50+15
d) 49+14

4. A school has 300 students. If there are 175 girls in the school, how many boys are in the school?

175 + ___ = 300

___boys

5. Lily has 137 balloons. Her friend has 214 balloons. How many balloons do they have altogether?

Unit 4.6

# Drawing Pictures in Problem Solving

Example





Alvin wants to buy the car and the van.
How much money does he need?

$57 cost in all

cost of car $32 cost of van $25

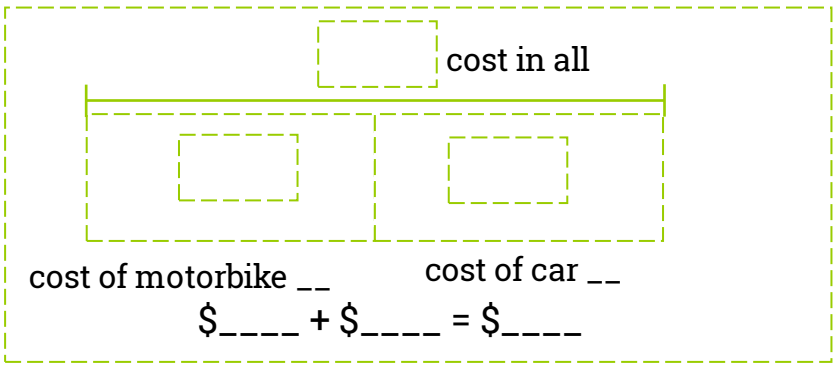
$32 + $25 = $57

Estimate.
$32 + $25 is about
$30 + $30 i.e. $60.
So, $57 is about $60.

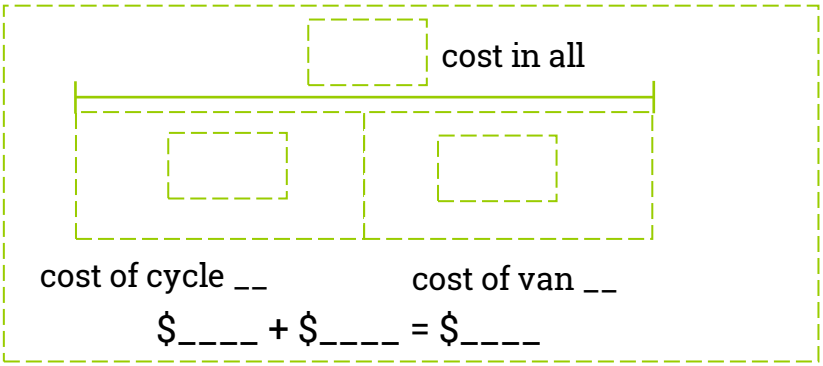
∴ Alvin needs $57.

Exercise

1. Use the above picture to solve the following questions.
   a) If you bought a motorbike and a car, how much money did you pay?




   b) Elisa wants to buy a cycle and a van. How much money does she need?



Unit 4.6

# Drawing Pictures in Problem Solving

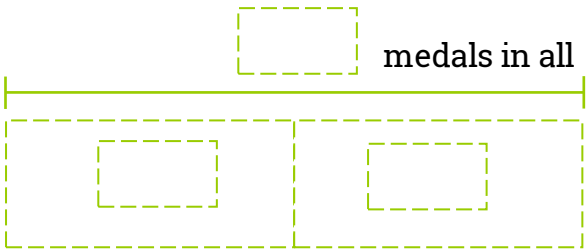
Exercise

Solve the problems below.

The table shows medals in Olympic game won by the different countries. Use table to answer the questions.

| Medals in Olympic game | |
|---|---|
| Country | Medals |
| America | 23 |
| England | 16 |
| India | 9 |
| Nepal | 7 |

2. How many medals did America and Nepal win?



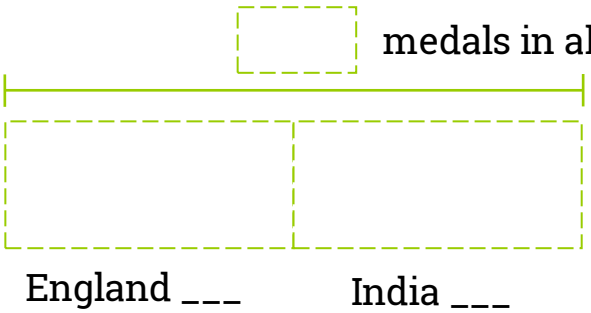

____ + ____ = ____

3. Which of the following shows about the total number of medals?

a)35 b) 45

c) 55 d) 65

4. How many medals did England and India win together?



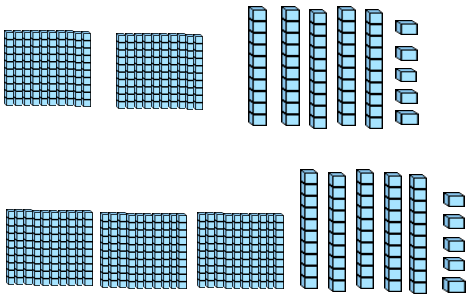

____ + ____ = ____

Unit 4.7

# Math Challenges

Exercise

1. Write the problem and find the sum.



____ + ____ = ____

2. A bag of rice cost $310 and a bag of fruits cost $295. If you buy both items, how much will you pay in total?

3. Jackie counted 26 buses, 8 vans, 53 taxies, and 36 motor bikes on the road. How many vehicles are there in all on the road?

4. There are 230 teachers, 780 boys, and 615 girls in the theater. About how many people are in the theater altogether?

   a) 200+700+600 = 1,500

   b) 300 + 800 + 600 = 1,700

   c) 200+800+600=1,600

   d) 300 + 800 + 700 = 1,800

Unit 4.7

# Math Challenges

Exercise

5. Find the missing numbers.

a)

$$\begin{array}{r} 3\,5\,2 \\ +\ 6\,1\,7 \\ \hline \square \end{array} = \begin{array}{l} \square + \square + \square \\ \square + \square + \square \\ \hline \square + \square + \square \end{array}$$

b)

$$\begin{array}{r} 5\,3\,8 \\ +\ 2\,7\,1 \\ \hline \square \end{array} = \begin{array}{l} \square + \square + \square \\ \square + \square + \square \\ \hline \square + \square + \square \end{array}$$

6. Find the missing numbers.

a) $\square + 6.000 = 8.000$

b) $4.000 + \square = 9.000$

c)
$$\begin{array}{r} \square \\ +\ 2.000 \\ \hline 5.000 \end{array}$$

d)
$$\begin{array}{r} 1.000 \\ +\ \square \\ \hline 7.000 \end{array}$$

7. Fill in the blanks.

a) $457 + 23 = \_\_\_ + 20$

3 20

b) $869 + 26 = \_\_\_ + \_\_\_$

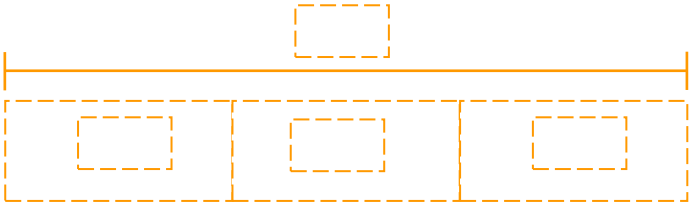
1 25

Exercise

8. The table below shows the costs of some fruits.

| Fruit |  |  |  |  |
|---|---|---|---|---|
| Cost | 32¢ | 30¢ | 25¢ | 34¢ |

a) If you want to buy an orange, an apple, and a mango, how much money should you pay?



____¢ + ____¢ + ____¢= ____¢

b) Estimate the total cost of four fruits.

____¢ + ____¢ + ____¢ + ____¢ = ____¢

c) If you paid $2 to buy all fruits, how much change should you get back? Explain.

# 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.

# Grade 3 Answer Key of Lesson 4

## Unit 4.1

1. a) 233+195=428 b) 328+246=574 c) 499+158=657
2. a) 817 b) 137+515=652 c) 363+262=625
   d) 418+335=753 e) 254+554=808 3. 373
4. b 5. 735

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## Unit 4.2

1. a) 603 b) 741 c) 640 d) 1,071
   e) 1,190 f) 920 2. 534 3. d
4. 401 5. 413

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## Unit 4.3

1. a) 232 b) 999 c) 734 d) 108
   e) 600 f) 108
2. 198 3. b 4. 600 5. 914

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## Unit 4.4

1. a) 788 b) 796 c) 555 d) 889
   e) 897 f) 964 g) 770 h) 775
2. a) 300 b) 200 c) 50 d) 70
   e) 100 f) 400 g) 20 h) 600
   i) 300 j) 700 3. 1,100 4. c
5. 30 6. 598

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## Unit 4.5

1. a) 32 b) 50 c) 30+60 d) 50+10
   e) 50+32 f) 20+33
2. 75; 100 3. c 4. 125 5. 351

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## Unit 4.6

1. a) $18+$32=$50 b) $15+$25=$40 2. 23+7=30 3. c
4. 16+9=25

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## Unit 4.7

1. 255+355=610 2. $605 3. 123 4. c
5. a) 969 b) 809 6. a) 2,000 b) 5,000
   c) 3,000 d) 6,000 7. a) 460 b) 870+25
8. a) 32¢+25¢+34¢=91¢ b) about 120¢ c) $0.79

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