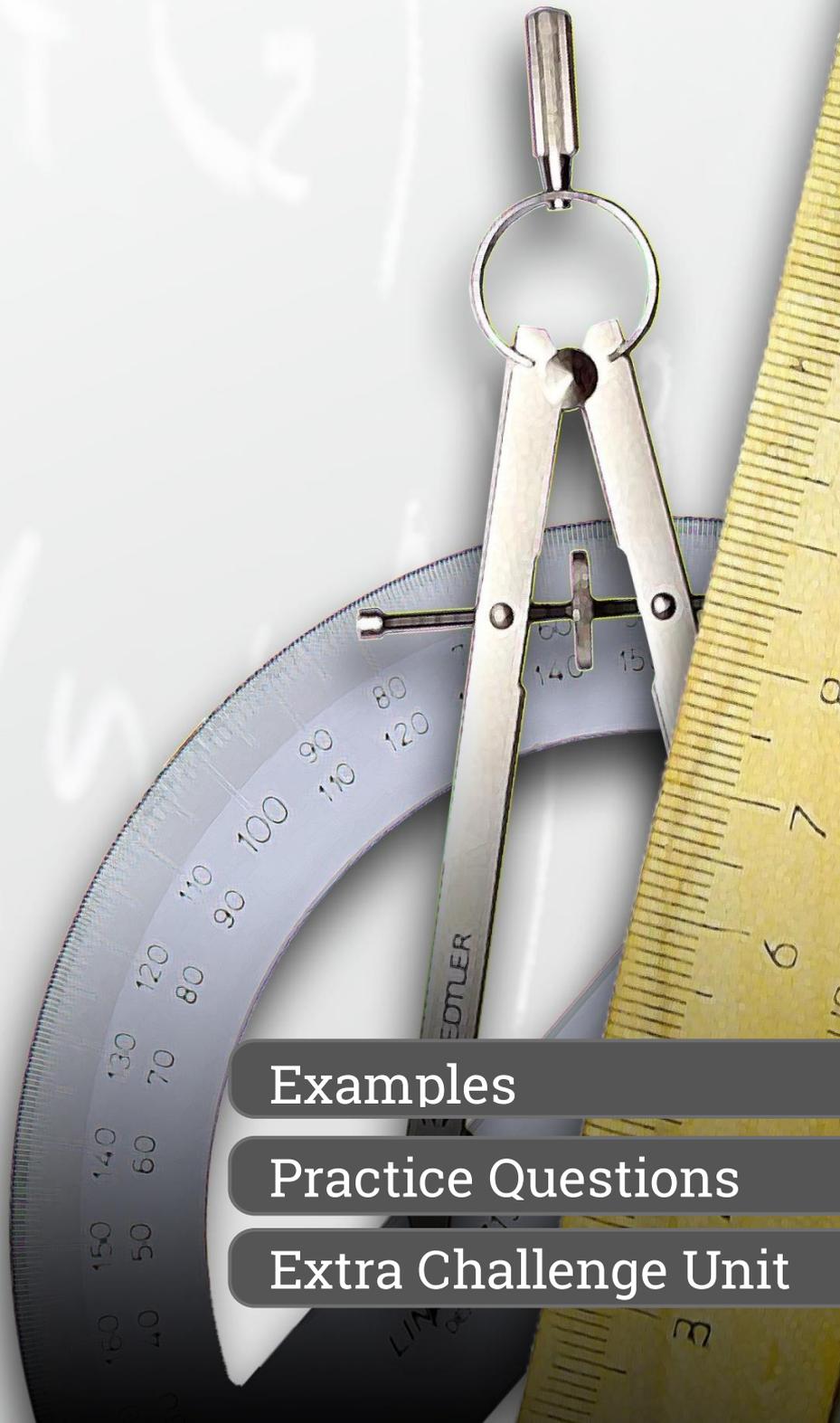


Math Practice Sheets

Subtraction and Making Sense of Numbers



Student Name

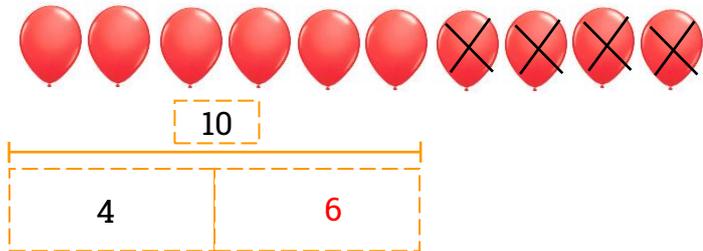
Examples

Practice Questions

Extra Challenge Unit

Example

There are 10 balloons.
4 balloons pop.
How many are left?

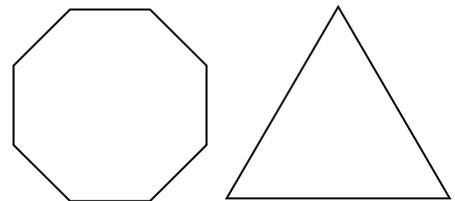


Use the addition fact: $4 + 6 = 10$
To find the subtraction fact: $10 - 4 = 6$
So, we find that there are 6 balloons left.

Exercise

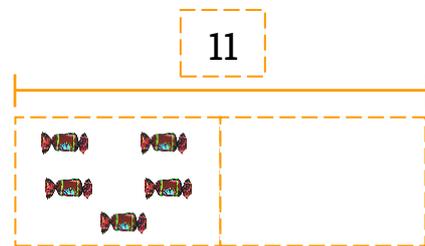
1. Write a number sentence for each situation and solve.

- a) An octagon has 8 sides.
A triangle has 3 sides.
How many more sides
does an octagon have than a triangle?



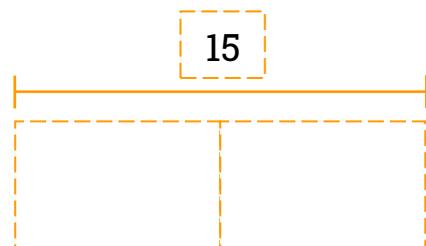
$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

- b) You want 11 candies.
You have 5 candies.
How many more do you need?



$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

- c) There are 15 trees altogether.
7 of them are cut down.
How many trees are left?



$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

Exercise

Solve the problems below.

2. Mr. Ferris earns \$17 in a day and spends \$8. How many dollars does he save in a day?

3. Which number sentence explains the figures below?



a) $12 - 7 = 5$

b) $7 - 5 = 2$

c) $12 - 10 = 2$

d) $12 - 5 = 7$

4. Christina wants to buy a doll which costs \$13. She has \$9. How much more money does she need?
5. There are 15 students inside the classroom. 6 of them are wearing jackets. How many students are not wearing jackets?

Example

Subtract vertically: $45 - 21$

$$\begin{array}{r} 45 \\ - 21 \\ \hline 24 \end{array}$$

- Subtract ones
($5 - 1 = 4$)
- Subtract tens
($4 - 2 = 2$)

Subtract horizontally: $69 - 34 = 35$

$$69 - 34 = 35$$

- Subtract ones
($9 - 4 = 5$)
- Subtract tens
($6 - 3 = 3$)

You can subtract vertically, horizontally, or both.

Exercise

1. Subtract vertically or horizontally as requested by the problem.

a)

$$\begin{array}{r} 87 \\ - 25 \\ \hline \end{array}$$

b)

$$94 - 73 = \underline{\quad}$$

c)

$$68 - 58 = \underline{\quad}$$

d)

$$\begin{array}{r} 46 \\ - 10 \\ \hline \end{array}$$

e)

$$\begin{array}{r} 52 \\ - 22 \\ \hline \end{array}$$

f)

$$77 - 44 = \underline{\quad}$$

Exercise

Solve the problems below.

2. Inez borrows 25 story books.
She reads 10 books.
How many books does she have left to read?
3. There are 30 seats in a bus.
20 passengers are in the bus.
How many empty seats are in the bus?
- a) $30 - 10 = 20$ b) $30 - 30 = 0$
c) $30 - 20 = 10$ d) $20 - 10 = 10$
4. John has 34 rose bushes in his garden.
12 are not blooming.
How many are blooming?
5. Subtract $58 - 35$ both vertically and horizontally.

Example

Find $47 - 28$.

- Start at 28.
Move right two squares to count to the next ten. **30**
- Count on by tens by moving down.
Move 1 ten row. **40**
- Then count on by ones until you reach 47. **41 42 43 44 45 46 47**
- You counted on 2 + So, $47 - 28 = 19$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

Exercise

1. Use a hundred chart to subtract.

a)

$$35 - 19 = \underline{\quad}$$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

b)

$$86 - 27 = \underline{\quad}$$

51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Exercise

2. Subtract the following.

a)

$62 - 30 = \underline{\quad}$

b)

$41 - 14 = \underline{\quad}$

c)

$98 - 50 = \underline{\quad}$

d)

$73 - 25 = \underline{\quad}$

e)

$54 - 34 = \underline{\quad}$

f)

$86 - 17 = \underline{\quad}$

3. Fill in the blanks to make the number sentence true.

a)

$10 - \underline{\quad} = 4$

b)

$8 - \underline{\quad} = 8$

c)

$7 - \underline{\quad} = 3$

d)

$5 - \underline{\quad} = 0$

e)

$4 = 9 - \underline{\quad}$

f)

$2 = \underline{\quad} - 6$

g)

$5 = 6 - \underline{\quad}$

h)

$3 = \underline{\quad} - 7$

Example

Subtract $45 - 26$ using mental math.

One way to subtract is to make a simpler problem by changing each number in the same way.

i.e. you can change 26 to 30.

$$\begin{array}{r} 45 - 26 \\ \downarrow +4 \quad \downarrow +4 \\ 49 - 30 = 19 \end{array}$$

$$45 - 26 = 19$$

Another way to subtract is subtract 30.

- $45 - 30 = 15$

If you subtracted 30, you subtracted 4 more than 26.

You must add 4 to the answer.

$$15 + 4 = 19$$

$$45 - 26 = 19$$

Exercise

1. Find the difference using mental math.

a)

$$\begin{array}{r} 32 - 13 \\ \downarrow +7 \quad \downarrow +7 \\ 39 - 20 = ____ \end{array}$$

b)

$$\begin{array}{l} 56 - 28 \\ 56 - 30 = ____ \\ ____ + 2 = 28 \end{array}$$

c)

$$56 - 28$$

d)

$$45 - 26$$

Exercise

Solve the problems below.

2. There are 37 rose flowers and 19 sun flowers in the garden. How many less sunflowers are there than roses flowers?

3. 50 kites are flying. 24 kites fall. How many kites are still in the sky?

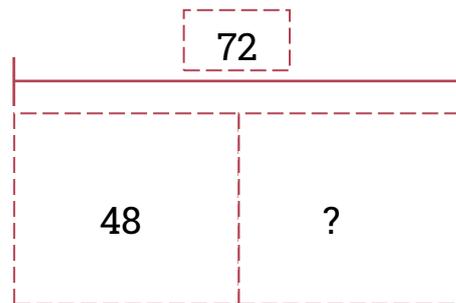
a) $50 - 24 = 24$

b) $50 - 24 = 25$

c) $50 - 24 = 26$

d) $50 - 24 = 24$

4. Use mental math to find the missing number.



5. Show two different ways to find the difference of $67 - 28$ using mental math.

Example

Estimate the difference of $478 - 112$.

One way is to round each number to the nearest ten.

$$\begin{array}{r} 478 \\ - 12 \\ \hline \end{array} \quad \begin{array}{l} \longrightarrow 480 \\ \longrightarrow -10 \\ \hline 370 \end{array}$$

Another way is to round each number to the nearest hundred.

$$\begin{array}{r} 478 \\ - 12 \\ \hline \end{array} \quad \begin{array}{l} \longrightarrow 500 \\ \longrightarrow -100 \\ \hline 400 \end{array}$$

370 is about 400. So, it is reasonable.

Exercise

1. Estimate each difference by rounding to the nearest ten.

a)

$$\begin{array}{r} 58 \\ - 34 \\ \hline \end{array} \quad \begin{array}{l} \longrightarrow \\ \longrightarrow - \\ \hline \end{array}$$

b)

$$\begin{array}{r} 32 \\ - 17 \\ \hline \end{array}$$

c)

$$\begin{array}{r} 81 \\ - 45 \\ \hline \end{array}$$

d)

$$\begin{array}{r} 76 \\ - 23 \\ \hline \end{array}$$

2. Estimate each sum by rounding to the nearest hundred.

a)

$$\begin{array}{r} 423 \\ - 936 \\ \hline \end{array}$$

b)

$$\begin{array}{r} 671 \\ - 4296 \\ \hline \end{array}$$

c)

$$\begin{array}{r} 843 \\ - 5676 \\ \hline \end{array}$$

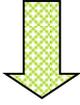
d)

$$\begin{array}{r} 350 \\ - 1506 \\ \hline \end{array}$$

Example

Find the reasonable number.

$$\boxed{?} - 45 = 20$$



$$\boxed{65} - 45 = 20$$

20 more in 45 is 65.
i.e. $20 + 45 = 65$

$$\begin{array}{r} 90 \\ - \boxed{?} \\ \hline 40 \end{array} \quad \rightarrow \quad \begin{array}{r} 90 \\ - \boxed{50} \\ \hline 40 \end{array}$$

40 more in 50 is 90.
i.e. $40 + 50 = 90$

Exercise

1. Fill in the blanks.

a)

$$80 - \underline{\quad} = 20$$

b)

$$55 - \underline{\quad} = 35$$

c)

$$70 - \underline{\quad} = 60$$

d)

$$40 - \underline{\quad} = 10$$

e)

$$\underline{\quad} - 20 = 40$$

f)

$$\underline{\quad} - 30 = 45$$

g)

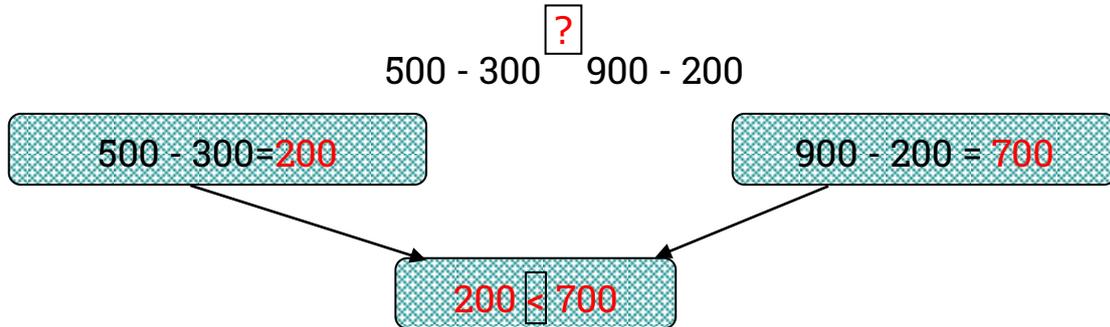
$$\underline{\quad} - 10 = 45$$

h)

$$\underline{\quad} - 25 = 55$$

Example

Compare using the appropriate sign '<', '>', or '='.



Exercise

1. Use '<', '>', or '=' to compare the given subtraction equations.

a) $800 - 200$ ____ $400 - 100$

b) $900 - 500$ ____ $700 - 200$

c) $700 - 300$ ____ $500 - 100$

d) $200 - 100$ ____ $400 - 200$

e) $500 - 200$ ____ $900 - 700$

f) $300 - 300$ ____ $800 - 800$

g) $600 - 400$ ____ $300 - 200$

h) $900 - 800$ ____ $400 - 100$

Exercise

Solve the problems below.

2.

800 - 300
Apples

600 - 200
Mangoes

Which fruit do we have more of? _____

3.

900 - 500
Footballs

700 - 400
Basketballs

Which ball do we have more of? _____

4. Which comparison is correct?

$950 - 400$ ____ $700 - 200$

a) >

b) <

c) =

d) \leq

5. Eva has 500 books. Out of them 200 are story books and remaining are math books. In addition he has 700 pens. Out of them 300 are blue pens and remaining are black pens. Find out the number of math books and black pens. Which of the two items does he have more of?

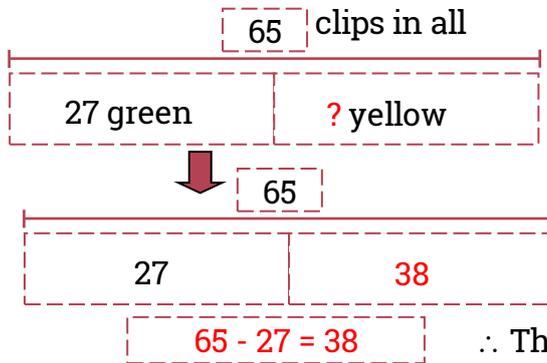
Math books

Black pens



Example

There were 65 green and yellow paper clips in the package.
27 were green. How many were yellow?



65 - 27 is about
70 - 30. i.e. 40
38 is close to 40.
So, 38 is reasonable.

∴ There were **38** yellow paper clips.

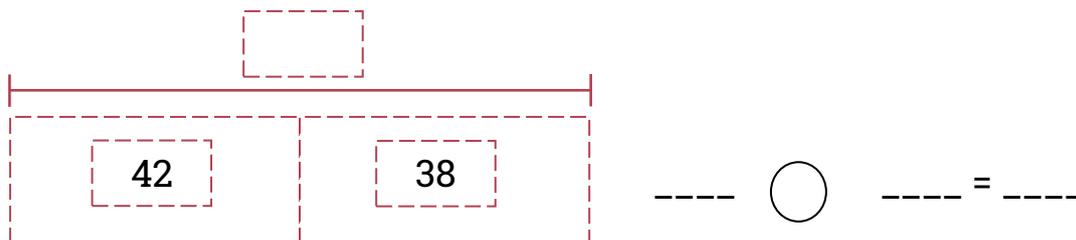
Exercise

1. Solve and check that your answer is reasonable.
- a) Mr. Ito has 32 teeth. Oleta has 24 teeth. How many more teeth does Ito have?



Mr. Ito has _____ more teeth than Oleta.

- b) At a basketball game, one team scored 42 points. The other team scored 38 points. How many total points were scored in the game?



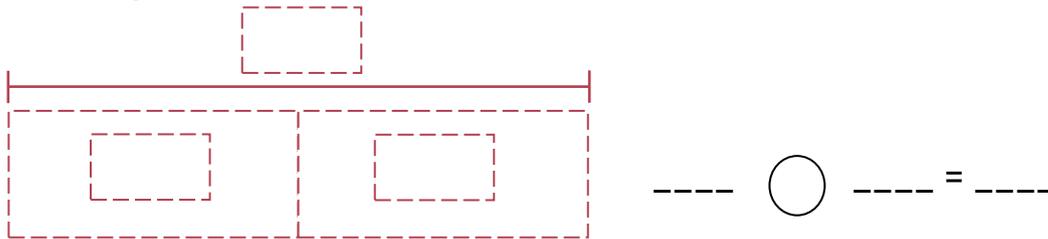
There were total _____ points scored in the basketball game.

Exercise

Use the given table to solve the given problems below.

People at theater	
People	Number
Boys	52
Girls	36
Teachers	15

2. How many students were in the theater?



___ students

3. Which number sentence shows that how many more boys were in the theater than girls?

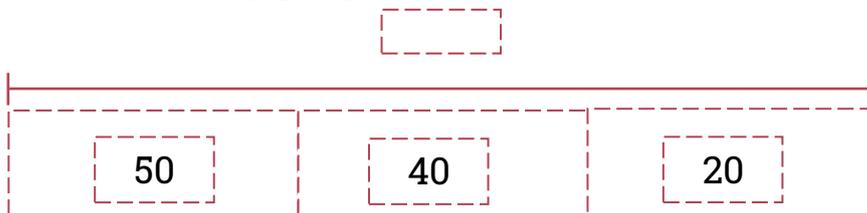
a) $52 + 36 = 88$

b) $52 - 15 = 37$

c) $52 - 36 = 16$

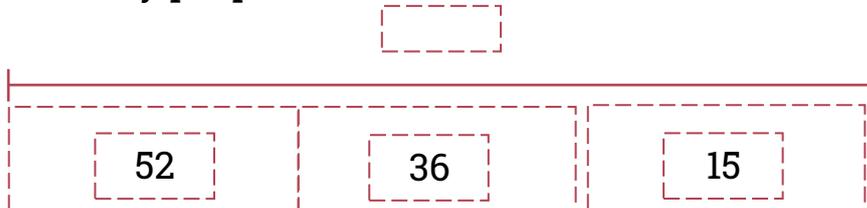
d) $36 - 15 = 21$

4. About how many people were in the theater?



___ + ___ + ___ = ___

5. How many people were in the theater?



___ + ___ + ___ = ___

Exercise

1. How many more red balloons than green balloons are there?



$$\text{---} \bigcirc \text{---} = \text{---}$$

2. Subtract.

a)

$$\begin{array}{r} 43 \\ - 25 \\ \hline \end{array}$$

b)

$$81 - 59 = \text{---}$$

3. Find the missing digits.

a)

$$\begin{array}{r} 38 \\ - 1 \square \\ \hline \square 5 \end{array}$$

b)

$$\begin{array}{r} 62 \\ - \square 4 \\ \hline 2 \square \end{array}$$

4. Find the difference using hundred chart or mental math.

a)

$$53 - 27$$

b)

$$72 - 48$$

Exercise

5. Estimate the difference.

$$\begin{array}{r} \text{a)} \\ 263 \\ - 87 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b)} \\ 724 \\ - 381 \\ \hline \end{array}$$

6. Find the most reasonable number.

$$\text{a)} \\ \text{----} - 300 = 500$$

$$\text{b)} \\ \begin{array}{r} 900 \\ - 200 \\ \hline \end{array}$$

7. Compare using '>', '<', or '='.

$$\text{a)} \\ 600 - 200 \quad \bigcirc \quad 700 - 400$$

$$\text{b)} \\ 500 - 200 \quad \bigcirc \quad 800 - 600$$

8. Read the table and answer the questions.

a) What is the combined age of Monica and Roy?

b) Find the age difference of Steve and Roy.

c) Estimate their combined age.

Person	Age in years
Monica	18
Steve	20
Roy	14

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 Learning Numeration Part I
- Lesson 2 Learning Numeration Part II
- Lesson 3 Addition of Whole Numbers Part I
- Lesson 4 Addition of Whole Numbers Part II
- Review 1 Review of Lesson 1, 2, 3, and 4
- Lesson 5 Subtraction and Making Sense of Numbers
- Lesson 6 Solving Problems by Subtracting Whole Numbers
 - Unit 6.1 Models to Subtract 2-Digit Numbers
 - Unit 6.2 Two-Digit Number Subtractions
 - Unit 6.3 Models to Subtract 3-Digit Numbers
 - Unit 6.4 Three-Digit Number Subtractions
 - Unit 6.5 Exploring Subtracting Across Zero
 - Unit 6.6 Relation between Addition and Subtraction
 - Unit 6.7 Write Subtraction Equations
 - Unit 6.8 Pictures and Equations for Problem Solving
 - Unit 6.9 Math Challenges
- Lesson 7 Understanding Multiplication Facts and Meaning Part I
- Lesson 8 Understanding Multiplication Facts and Meaning Part II
- Review 2 Review of Lesson 5, 6, 7, and 8
- Lesson 9 Using Known Fact Strategies in Multiplication
- Lesson 10 Understanding Meaning of Division
- Lesson 11 Identifying Division Facts Part I
- Lesson 12 Identifying Division Facts Part II
- Review 3 Review of Lesson 9, 10, 11, and 12
- Lesson 13 Patterns and Relationships Exploration
- Lesson 14 Geometry: Solids and Shapes Part I
- Lesson 15 Geometry: Solids and Shapes Part II
- Lesson 16 Fractions Part I
- Review 4 Review of Lesson 13, 14, 15, and 16
- Lesson 17 Fractions Part II
- Lesson 18 Concepts of Decimals and Money Part I
- Lesson 19 Concepts of Decimals and Money Part II
- Lesson 20 Measurement: Customary Units Part I
- Review 5 Review of Lesson 17, 18, 19, and 20
- Lesson 21 Measurement: Customary Units Part II
- Lesson 22 Measurement: Metric Units
- Lesson 23 Measurement: Area, Perimeter, and Volume
- Lesson 24 Measurement: Time and Temperature
- Review 6 Review of Lesson 21, 22, 23, and 24
- Lesson 25 Multiplication: Larger Numbers
- Lesson 26 Division: Single-Digit Number
- Lesson 27 Exploring Data, Graphs, and Probability
- Review of Lesson 1 to 14
- Review of Lesson 15 to 27



Unit 5.1

- | | | | |
|---------------|-------------|-------------|------|
| 1. a) $8-3=5$ | b) $11-5=6$ | c) $15-7=8$ | 2. 9 |
| 3. d | 4. 4 | 5. 9 | |

Unit 5.2

- | | | | |
|----------|-------|-------|-------|
| 1. a) 62 | b) 21 | c) 10 | d) 36 |
| e) 30 | f) 33 | 2. 15 | 3. c |
| 4. 22 | 5. 23 | | |

Unit 5.3

- | | | | |
|----------|-------|----------|-------|
| 1. a) 16 | b) 59 | 2. a) 32 | b) 27 |
| c) 48 | d) 48 | e) 20 | f) 69 |
| 3. a) 6 | b) 0 | c) 4 | d) 5 |
| e) 5 | f) 8 | g) 1 | h) 10 |
| 4. 27 | 5. a | 6. 17 | 7. 17 |

Unit 5.4

- | | | | |
|----------|-------|-------|-------|
| 1. a) 19 | b) 26 | c) 28 | d) 19 |
| 2. 18 | 3. c | 4. 24 | 5. 39 |

Unit 5.5

- | | | | |
|---|--|--|--|
| 1. a) $\begin{array}{r} 60 \\ - 30 \\ \hline 30 \end{array}$ | b) $\begin{array}{r} 30 \\ - 20 \\ \hline 10 \end{array}$ | c) $\begin{array}{r} 80 \\ - 50 \\ \hline 30 \end{array}$ | d) $\begin{array}{r} 80 \\ - 20 \\ \hline 60 \end{array}$ |
| 2. a) $\begin{array}{r} 400 \\ - 200 \\ \hline 200 \end{array}$ | b) $\begin{array}{r} 700 \\ - 400 \\ \hline 300 \end{array}$ | c) $\begin{array}{r} 800 \\ - 600 \\ \hline 200 \end{array}$ | d) $\begin{array}{r} 400 \\ - 200 \\ \hline 200 \end{array}$ |
| 3. 10 | 4. d | 5. 20 | 6. 200 |

Unit 5.6

- | | | | |
|-----------|-------|-------|-------|
| 1. a) 60 | b) 20 | c) 10 | d) 30 |
| e) 60 | f) 75 | g) 55 | h) 80 |
| 2. 55; 50 | 3. c | 4. 44 | 5. 14 |

Unit 5.7

- | | | | |
|-----------|--------------|------|----------------|
| 1. a) > | b) < | c) = | d) < |
| e) > | f) = | g) > | h) < |
| 2. Apples | 3. Footballs | 4. a | 5. $300 < 400$ |

Unit 5.8

- | | | | |
|-----------------|---------------|---------------|------|
| 1. a) $32-24=8$ | b) $42+38=80$ | 2. $52+36=88$ | 3. c |
| 4. 110 | 5. 103 | | |

Unit 5.9

- | | | | |
|---|----------|-----------|--|
| 1. $12-9=3$ | 2. a) 18 | b) 22 | 3. a) $\begin{array}{r} 38 \\ - 13 \\ \hline 25 \end{array}$ |
| b) $\begin{array}{r} 62 \\ - 34 \\ \hline 28 \end{array}$ | 4. a) 26 | b) 24 | |
| 5. a) 170 | b) 300 | 6. a) 800 | b) 700 |
| 7. a) > | b) > | | |
| 8. a) 32 yrs | b) 6 yrs | c) 50 yrs | |