

Math Practice Sheets

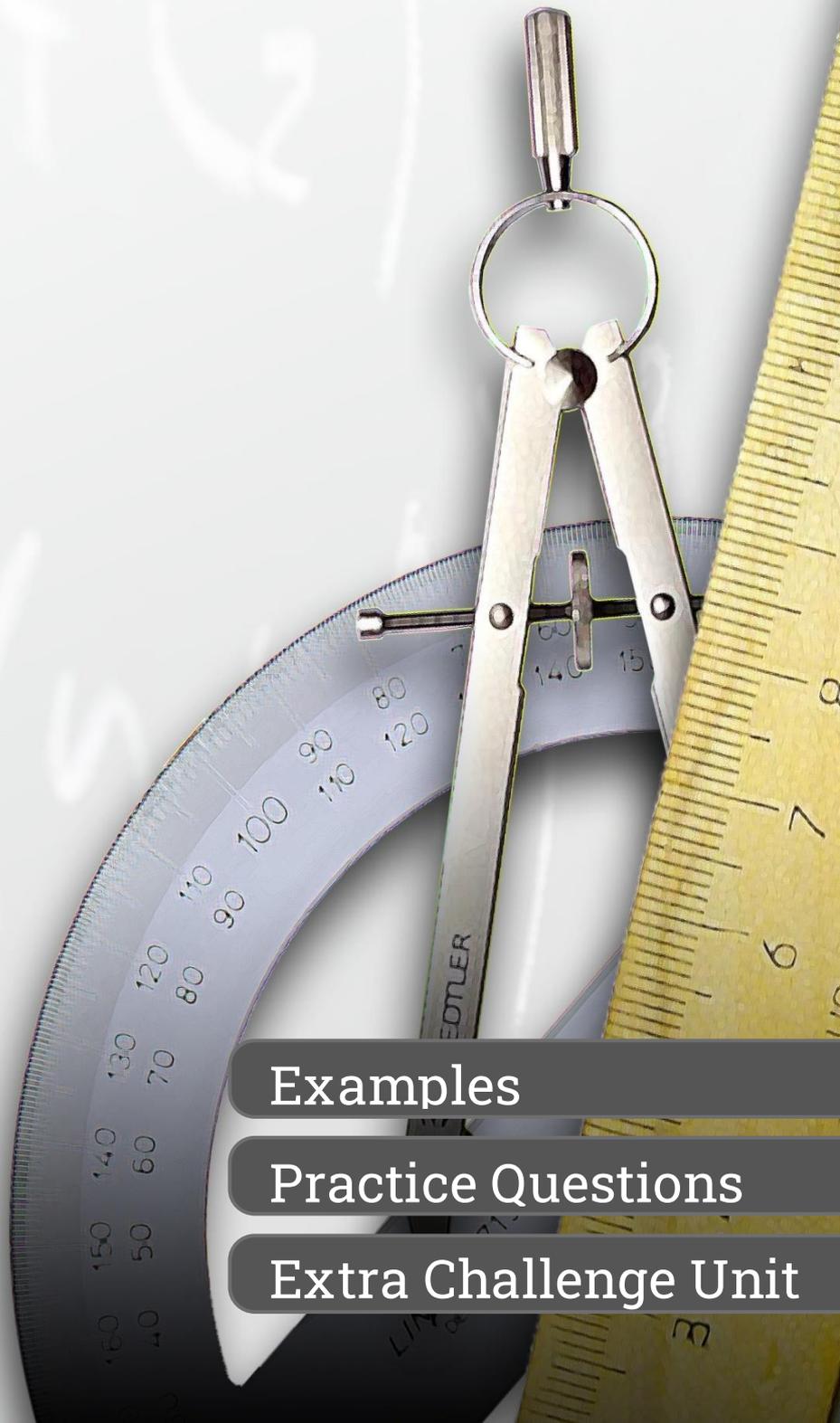
Addition and Subtraction

Student Name

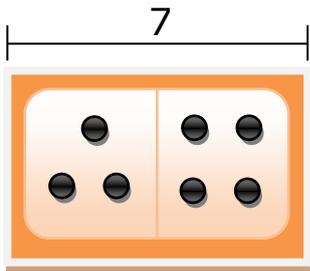
Examples

Practice Questions

Extra Challenge Unit



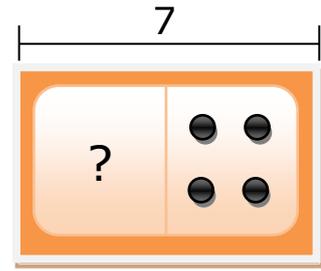
Example



$$3 + 4 = 7$$

$$4 + 3 = 7$$

We can use addition and subtraction sentences to show the whole and the parts.



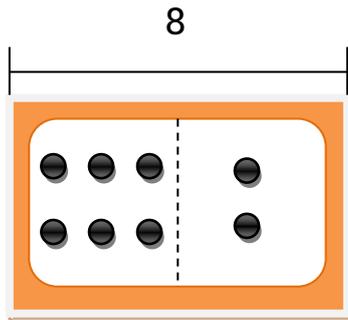
$$7 - 4 = 3$$

$$7 - 3 = 4$$

Exercise

1. Write two addition sentences and two subtraction sentences.

a)



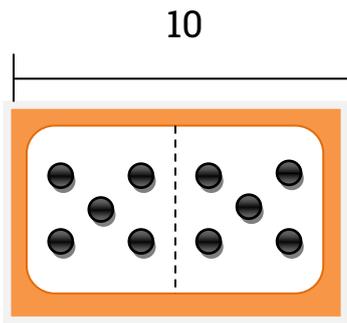
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

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

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

b)



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

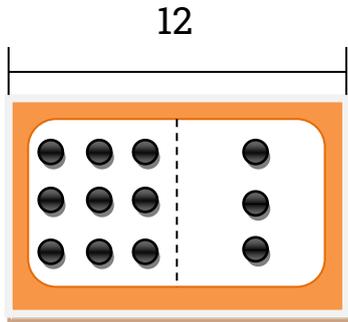
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

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

Exercise

c)



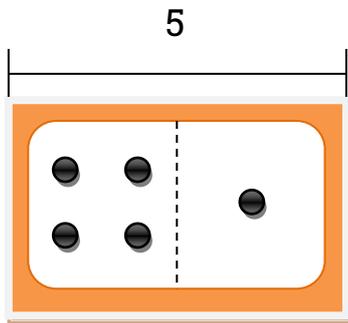
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

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d)



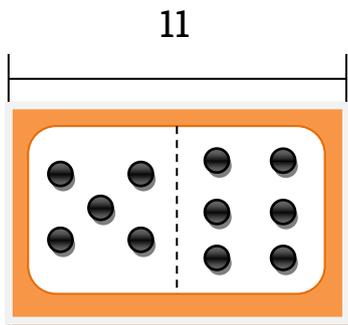
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

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e)



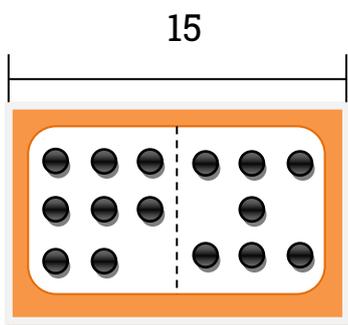
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

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

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

f)



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

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

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

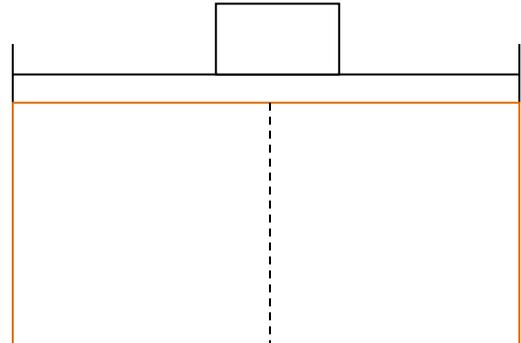
Exercise

Solve the problems below.

2. Nick blows up 2 green balloons.
He blows up 5 blue balloons.

How many balloons does Nick
blow up in total?
Use counters to solve.

Write two addition sentences
and two subtraction to model
the story.



$$\begin{array}{r} \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} - \underline{\quad} = \underline{\quad} \\ \underline{\quad} - \underline{\quad} = \underline{\quad} \end{array}$$

3. Lupe has 9 cousins.
5 of the cousins are boys.
How many cousins are girls?
Circle the correct answer.

a) $9 + 5 = 14$

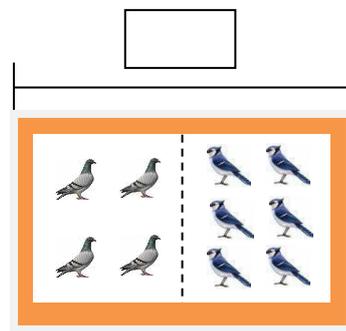
b) $9 - 5 = 4$

c) $5 + 4 = 9$

d) $9 - 4 = 5$

4. Write two addition sentences and two subtraction sentences for the picture below.

$$\begin{array}{r} \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} - \underline{\quad} = \underline{\quad} \\ \underline{\quad} - \underline{\quad} = \underline{\quad} \end{array}$$



Example

$$10 + 5 = 15 \quad \longrightarrow \quad 15 - 5 = 10$$

[Adding 5 to 10 gives 15.]

[Subtracting 5 from 15 gives 10.]

$$10 + 5 = 15 \quad \longrightarrow \quad 15 - 10 = 5$$

[Adding 10 to 5 gives 15.]

[Subtracting 10 from 15 gives 5.]

Exercise

1. Rewrite the following addition sentences into two different subtraction sentences.

a) $10 + 6 = 16$

$16 - \underline{\quad} = 10$

$16 - 10 = \underline{\quad}$

b) $9 + 5 = 14$

$14 - \underline{\quad} = 9$

$14 - \underline{\quad} = 5$

c) $7 + 3 = 10$

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

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

d) $5 + 8 = 13$

$13 - \underline{\quad} = \underline{\quad}$

$13 - \underline{\quad} = \underline{\quad}$

e) $9 + 7 = 16$

$16 - \underline{\quad} = \underline{\quad}$

$16 - \underline{\quad} = \underline{\quad}$

f) $6 + 5 = 11$

$11 - \underline{\quad} = \underline{\quad}$

$11 - \underline{\quad} = \underline{\quad}$

Exercise

g) $11 + 4 = 15$

$15 - \underline{\quad} = 11$

$15 - 11 = \underline{\quad}$

h) $7 + 5 = 12$

$12 - \underline{\quad} = 5$

$12 - \underline{\quad} = 7$

i) $10 + 7 = 17$

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

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

j) $9 + 6 = 15$

$15 - \underline{\quad} = \underline{\quad}$

$15 - \underline{\quad} = \underline{\quad}$

k) $8 + 6 = 14$

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

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

l) $10 + 2 = 12$

$12 - \underline{\quad} = \underline{\quad}$

$12 - \underline{\quad} = \underline{\quad}$

m) $9 + 9 = 18$

$18 - \underline{\quad} = \underline{\quad}$

$18 - \underline{\quad} = \underline{\quad}$

n) $11 + 5 = 16$

$16 - \underline{\quad} = \underline{\quad}$

$16 - \underline{\quad} = \underline{\quad}$

o) $12 + 5 = 17$

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

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

p) $8 + 8 = 16$

$16 - \underline{\quad} = \underline{\quad}$

$16 - \underline{\quad} = \underline{\quad}$

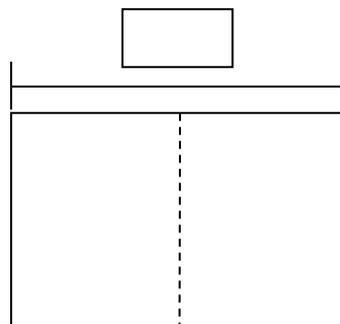
Exercise

Solve the problems below.

2. Thomas has 12 footballs.
He gives 7 footballs to his sister.
How many footballs does he
have left?

Use counters to solve.

_____ balls



_____ - _____ = _____

3. Find the missing number for

$7 + \underline{\quad} = 15$

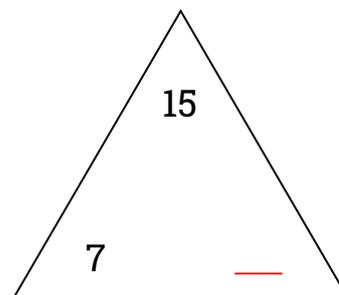
Circle the correct answer.

a) 7

b) 9

c) 8

d) 6



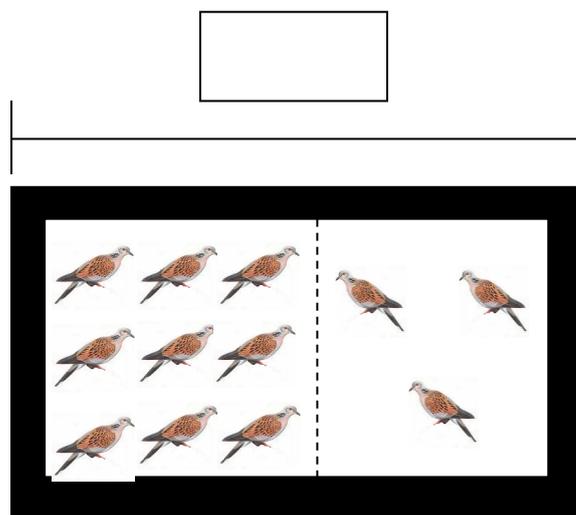
4. There are 9 birds on a tree.
3 more birds join them.

How many birds are there
altogether?

Use addition facts and
rewrite them in two different
subtraction facts.

_____ + _____ = _____

_____ - _____ = _____



_____ - _____ = _____

Example

$10 - 6 = 4$



$4 + 6 = 10$

[Subtracting 6 from 10 gives 4.]

[Adding 6 to 4 gives 10.]

$10 - 4 = 6$



$6 + 4 = 10$

[Subtracting 4 from 10 gives 6.]

[Adding 4 to 6 gives 10.]

Exercise

1. Rewrite the following subtraction sentences into two different addition sentences.

a) $14 - 6 = 8$

b) $17 - 9 = 8$

$8 + \underline{\quad} = 14$

$\underline{\quad} + 9 = 17$

$6 + \underline{\quad} = 14$

$9 + \underline{\quad} = 17$

c) $15 - 8 = 7$

d) $11 - 7 = 4$

$7 + \underline{\quad} = 15$

$4 + \underline{\quad} = \underline{\quad}$

$8 + \underline{\quad} = 15$

$7 + \underline{\quad} = \underline{\quad}$

e) $12 - 3 = 9$

f) $10 - 2 = 8$

$9 + \underline{\quad} = 12$

$8 + \underline{\quad} = 10$

$3 + \underline{\quad} = \underline{\quad}$

$2 + \underline{\quad} = 10$

Exercise

Solve the problems below.

2. There are 17 students in a class.
9 of them are boys.
How many students are girls?

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

$\underline{\quad}$ girls

3. The related addition fact for $15 - 7 = 8$ is

a) $7 + 8 = 15$

b) $9 + 6 = 15$

$8 + 7 = 15$

$6 + 9 = 15$

c) $11 + 4 = 15$

d) $5 + 10 = 15$

$4 + 11 = 15$

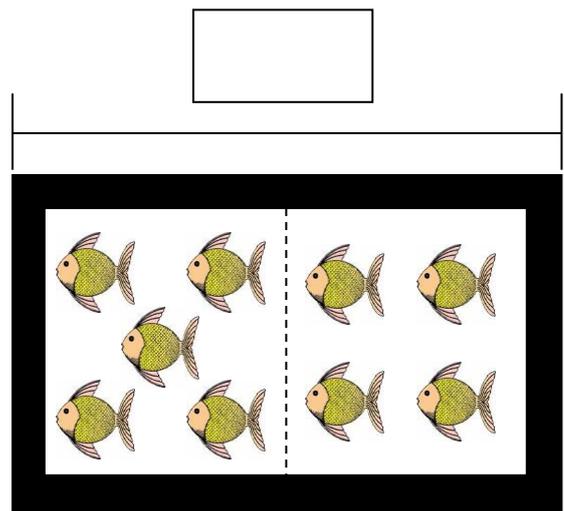
$10 + 5 = 15$

4. Write a subtraction fact and two different addition facts for the given figure.

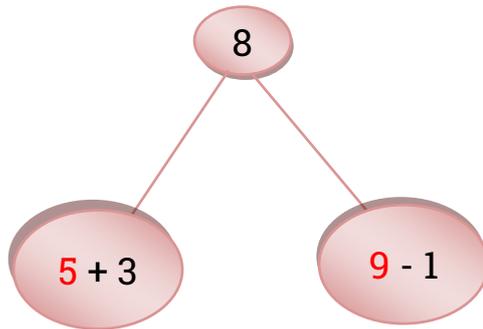
$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



Example



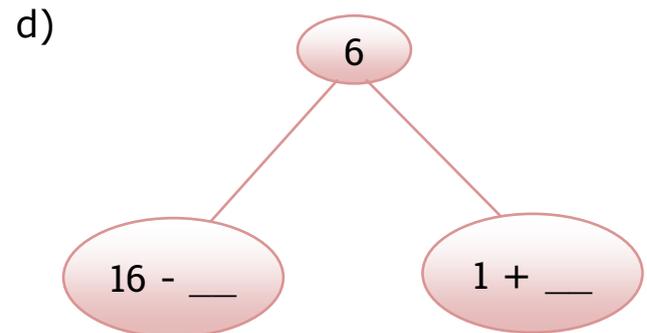
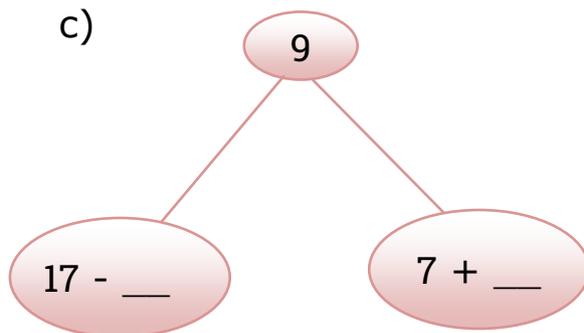
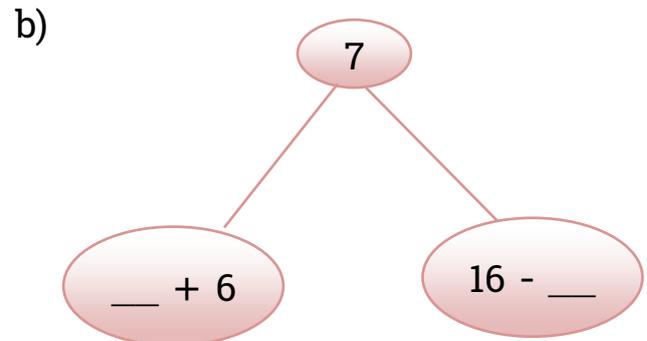
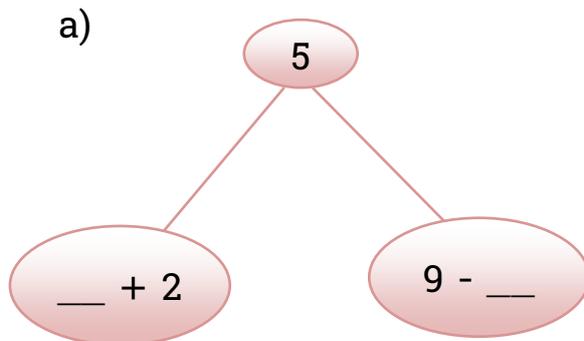
$0 + 8$
$1 + 7$
$2 + 6$
$3 + 5$
$4 + 4$

$8 - 0$
$9 - 1$
$10 - 2$
$11 - 3$
$12 - 4$

We can choose any set from right hand side.

Exercise

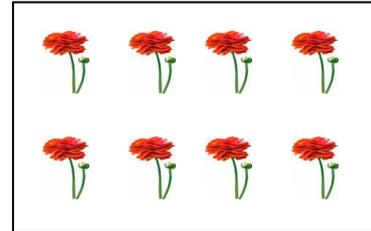
1. Balance the following.



Exercise

Solve the problems below.

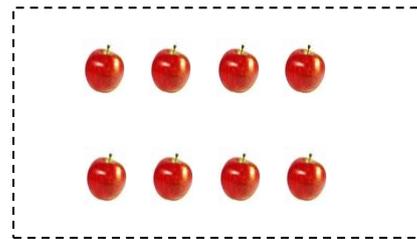
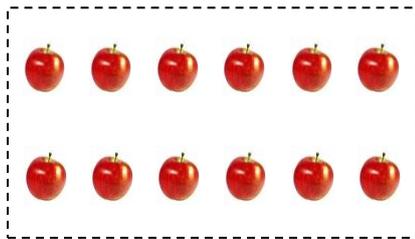
2. Curtis says there are $3 + 5$ flowers.
Nancy says $10 - 2$ flowers.
Are they both correct? Explain.



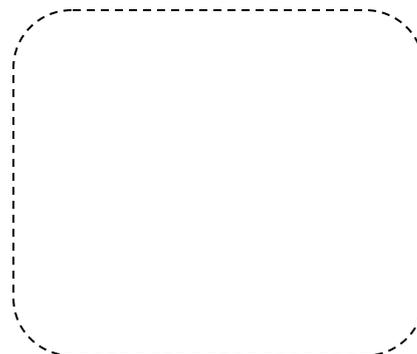
3. Which two equations are balancing?

a) $2 + 3 = 5$ b) $1 + 6 = 7$ c) $5 + 3 = 8$ d) $4 + 5 = 9$
 $5 - 1 = 4$ $9 - 2 = 7$ $8 - 3 = 5$ $9 - 5 = 4$

4. How do you make the number of apples equal in both boxes?

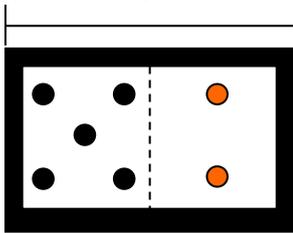


5. Move apples from one box to another to make equal number of apples in both boxes. Write your answer.



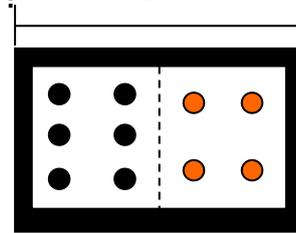
Example

Jason has 5 fish.
Keith has 2 fish.
How many fish do they have in total?



$$5 + 2 = 7$$

There are 10 students.
6 students are writing.
How many students are not writing?



$$10 - 6 = 4$$

Exercise

1. Circle 'add' or 'subtract'. Then write the number sentence.

a) Julia has 9 apples.

She gives 4 apples to her father.

How many apples does
Julia have left?

add

subtract

___ ___ = ___ apples

b) Jordan and his mother plant trees.

Jordan plants 3 trees.

Together they plant 10 trees.

How many trees does
Jordan's mother plant?

add

subtract

___ ___ = ___ trees

c) Ayisha buys 5 books.

Yumi buys 9 books.

How many books do they
buy in total?

add

subtract

___ ___ = ___ books

Exercise

2. Circle 'add' or 'subtract'. Then write the number sentence.

a) Ben picks 8 flowers.

Marcus picks 4 flowers.

How many flowers do
they pick in all?

add

subtract

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

b) Students of grade two
plant 15 seeds.

The seeds grow into 7 plants.

How many seeds do not grow
into plants?

add

subtract

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

c) Rafael catches 6 fish in one pond.

He catches 5 fish in another
pond.

How many fish does he
catch in all?

add

subtract

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

d) The art room has 17 color pens.

Students are using 8.

How many color pens are not
being used?

add

subtract

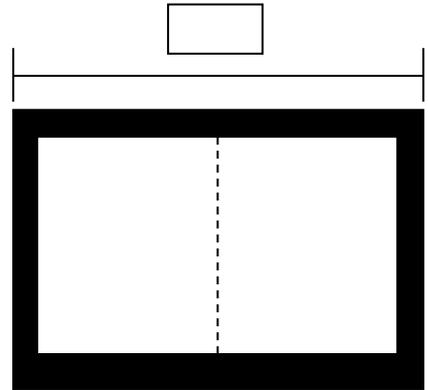
$$\text{---} \bigcirc \text{---} = \text{---} \text{ pens}$$

Exercise

Solve the problems below.

3. Mr. Sanchez has 7 basketballs.
He has 4 footballs.
How many balls does Mr. Sanchez have in all?
Use counters to solve.

$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad} \text{ balls}$$



4. The library has 13 story books.
8 of them are being borrowed.
How many story books are still in the library? Circle.

a) $13 - 5 = 8$

b) $13 - 4 = 9$

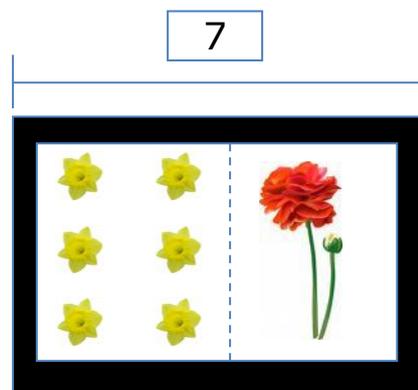
c) $13 - 9 = 4$

d) $13 - 8 = 5$

5. Write a story and numbers sentence for the given figure.



$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$



Exercise

1. Find the related subtraction fact for

$7 + 3 = 10$

$\square - \square = \square$

$3 + 7 = 10$

$\square - \square = \square$

2. Find the related addition fact for

$11 - 2 = 9$

$\square + \square = \square$

$11 - 9 = 2$

$\square + \square = \square$

3. Balance the addition and subtraction sentences.

a) $7 + 4 = 19 - \underline{\quad}$

b) $10 + 7 = 12 + \underline{\quad}$

4. Saul had 15 oranges.
He gave 9 oranges to his friend.
How many oranges does Saul have now?

Use subtraction facts.

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

Saul has $\underline{\quad}$ oranges.

Exercise

5. Mavis had 15 apples.
3 apples are rotten.

How many good apples does she have?

Do you add or subtract?

- Add
- Subtract

Write the number sentence.

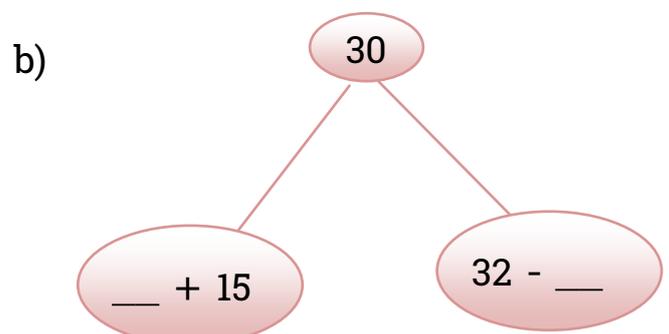
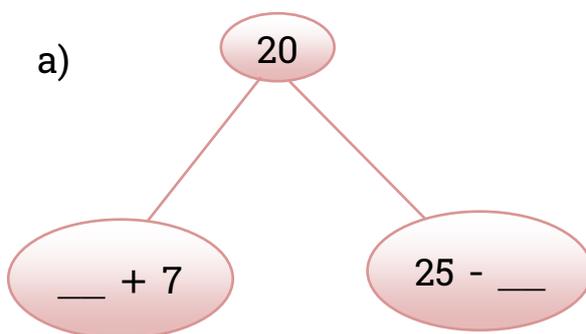
$$\text{---} \bigcirc \text{---} = \text{---}$$

6. Thomas has 15 marbles.
Kim has 10 marbles.
How many marbles should Thomas take out so that he will have the same number of marbles that Kim has?

- Add
- Subtract

Thomas should take out _____ marbles.

7. Balance the following.



Exercise

8. Kathy has 19 apples.
Kerry has 13 apples.
How many more apples does Kerry need to have as many apples as Kathy?

Do you add or subtract?

- Add
 Subtract

Kerry needs ____ apples.

9. 15 students are on the field.
9 of them are playing soccer.
How many students are not playing soccer?

Do you add or subtract?

- Add
 Subtract

10. Ana has eight dogs and nine cats.
How many pets do Ana have in all?

Do you add or subtract?

- Add
 Subtract

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 Introduction to Addition and Subtraction

Lesson 2 Addition and Subtraction

Lesson 3 Addition

Unit 3.1 Addition

Unit 3.2 Single Digit Number Addition

Unit 3.3 Adding Objects

Unit 3.4 Doubling Numbers

Unit 3.5 Using Near Doubles

Unit 3.6 Order in Addition

Unit 3.7 Math Challenges

Lesson 4 Concepts of Addition

Review 1 Review of Lesson 1, 2, 3, and 4

Lesson 5 Subtraction

Lesson 6 Concepts of Subtraction

Lesson 7 Learn Place Value up to 100 Part I

Lesson 8 Learn Place Value up to 100 Part II

Review 2 Review of Lesson 5, 6, 7, and 8

Lesson 9 Counting Money Part I

Lesson 10 Counting Money Part II

Lesson 11 Exploring Mental Addition

Lesson 12 Exploring Mental Subtraction

Review 3 Review of Lesson 9, 10, 11, and 12

Lesson 13 Two-Digit Number Addition

Lesson 14 Use of Addition and Subtraction

Lesson 15 Introduction to Geometry Part I

Lesson 16 Introduction to Geometry Part II

Review 4 Review of Lesson 13, 14, 15, and 16

Lesson 17 Understanding Fractions

Lesson 18 Measurement: Length, Area, and Perimeter

Lesson 19 Measurement: Weight and Capacity

Lesson 20 Understand Time and Temperature Part I

Review 5 Review of Lesson 17, 18, 19, and 20

Lesson 21 Understand Time and Temperature Part II

Lesson 22 Probability, Data, and Graphs

Lesson 23 Understanding Patterns and Numbers to 1,000 Part I

Lesson 24 Understanding Patterns and Numbers to 1,000 Part II

Review 6 Review of Lesson 21, 22, 23, and 24

Lesson 25 Three-Digit Addition and Subtraction

Lesson 26 Introducing Multiplication

Lesson 27 Introducing Division

Review of Lesson 1 to 14

Review of Lesson 15 to 27



Unit 2.1

- | | | | |
|----------------|-----------|-----------|----------|
| 1. a) $6+2=8,$ | $2+6=8,$ | $8-6=2,$ | $8-2=6$ |
| b) $5+5=10,$ | $5+5=10,$ | $10-5=5,$ | $10-5=5$ |
| c) $9+3=12,$ | $3+9=12,$ | $12-9=3,$ | $12-3=9$ |
| d) $4+1=5,$ | $1+4=5,$ | $5-4=1,$ | $5-1=4$ |
| e) $5+6=11,$ | $6+5=11,$ | $11-6=5,$ | $11-5=6$ |
| f) $8+7=15,$ | $7+8=15,$ | $15-8=7,$ | $15-7=8$ |
| 2. $2+5=7,$ | $5+2=7,$ | $7-5=2,$ | $7-2=5$ |
| 3. b | | | |
| 4. $4+6=10,$ | $6+4=10,$ | $10-6=4,$ | $10-4=6$ |

Unit 2.2

- | | | | |
|------------------|-----------|---------------|-----------|
| 1. a) $16-6=10,$ | $16-10=6$ | b) $14-5=9,$ | $14-9=5$ |
| c) $10-7=3,$ | $10-3=7$ | d) $13-8=5,$ | $13-5=8$ |
| e) $16-9=7,$ | $16-7=9$ | f) $11-6=5,$ | $11-5=6$ |
| g) $15-4=11,$ | $15-11=4$ | h) $12-7=5,$ | $12-5=7$ |
| i) $17-7=10,$ | $17-10=7$ | j) $15-9=6,$ | $15-6=9$ |
| k) $14-8=6,$ | $14-6=8$ | l) $12-2=10,$ | $12-10=2$ |
| m) $18-9=9,$ | $18-9=9$ | n) $16-11=5,$ | $16-5=11$ |
| o) $17-12=5,$ | $17-5=12$ | p) $16-8=8,$ | $16-8=8$ |
| 2. $12-7=5$ | | 3. c | |
| 4. $9+3=12,$ | $12-9=3,$ | $12-3=9$ | |

Unit 2.3

- | | | | |
|-----------------|----------|--------------|----------|
| 1. a) $8+6=14,$ | $6+8=14$ | b) $8+9=17,$ | $9+8=17$ |
| c) $7+8=15,$ | $8+7=15$ | d) $4+7=11,$ | $7+4=11$ |
| e) $9+3=12,$ | $3+9=12$ | f) $8+2=10,$ | $2+8=10$ |
| 2. $17-9=8$ | | 3. a | |
| 4. $9-5=4,$ | $5+4=9,$ | $4+5=9$ | |

Unit 2.4

- | | | | |
|--------------|-------|--------------|--------|
| 1. a) $3+2,$ | $9-4$ | b) $1+6,$ | $16-9$ |
| c) $17-8,$ | $7+2$ | d) $16-10,$ | $1+5$ |
| 2. Yes | 3. b | 4. 10 and 10 | |

Unit 2.5

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|-----------------|----------|--------------|----------|
| 1. a) subtract; | $9-4=5$ | b) subtract; | $10-3=7$ |
| c) add; | $5+9=14$ | | |
| 2. a) add; | $8+4=12$ | b) subtract; | $15-7=8$ |
| c) add; | $6+5=11$ | d) subtract; | $17-8=9$ |
| 3. $7+4=11$ | 4. d | 5. $6+1=7$ | |

Unit 2.6

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|----------------|----------------|----------------|--------|
| 1. $10-7=3,$ | $10-3=7$ | | |
| 2. $9+2=11,$ | $2+9=11$ | | |
| 3. a) 8 | b) 5 | | |
| 4. $15-9=6$ | 5. $15-3=12$ | 6. subtract; 5 | |
| 7. a) $13+7,$ | $25-5$ | b) $15+15,$ | $32-2$ |
| 8. subtract; 6 | 9. subtract; 6 | 10. add; 17 | |