



PLANNED INSTRUCTION LESSON MATERIALS

1st Grade

DUE DATE: FRIDAY, MAY 29TH

Please complete the following materials by the due date noted above.

Completed materials may be dropped off at the school (1006 West 10th Street) during food distribution Tuesdays and Fridays from 10:00am – 12:00noon, or turned in when the next week's materials are delivered to your home.

If you need assistance in completing the attached materials, please reach out to your classroom teacher via email, the school's website or Facebook page, or Class Dojo. You may also call the school directly Monday – Friday from 9:30-5:30 at 814-520-6468

Mrs. Veronica Will, Principal 814 873-5158

Mr. Aubrey Favors, Interim CEO 814 812-3026

Genre Informational Text

Essential Question

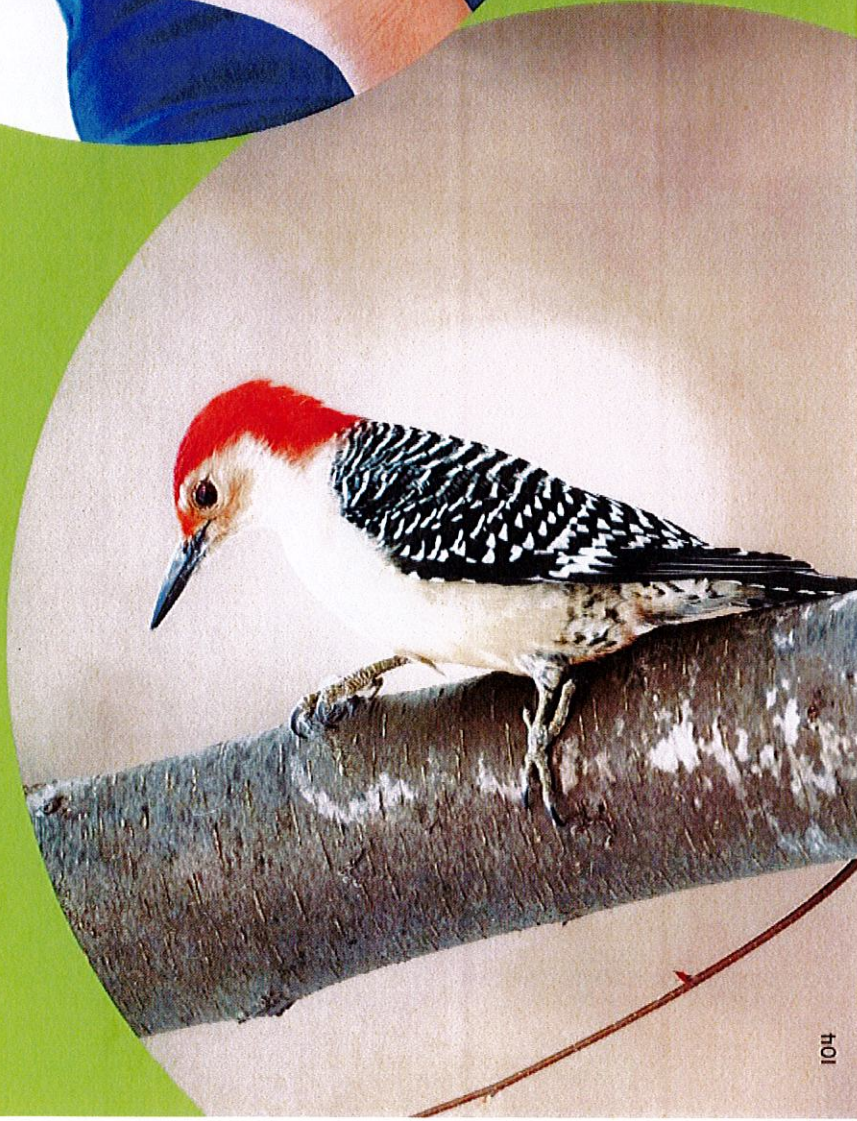
How do animals taste, touch, smell, see, or hear?

Gecko Toes and Dragonfly Eyes

by Eric Ode
illustrated by Kristin Kest & Donald Wu



A woodpecker hard at work. Rat-a-tat!
He pecks at a dead tree with his sharp beak. He
is looking for bugs. The bugs live in tunnels in
the dead wood. The woodpecker uses his
tongue to reach the bugs.



You have a e. Your tongue can taste
food. It can lick drips from a juicy orange.
It helps you speak.

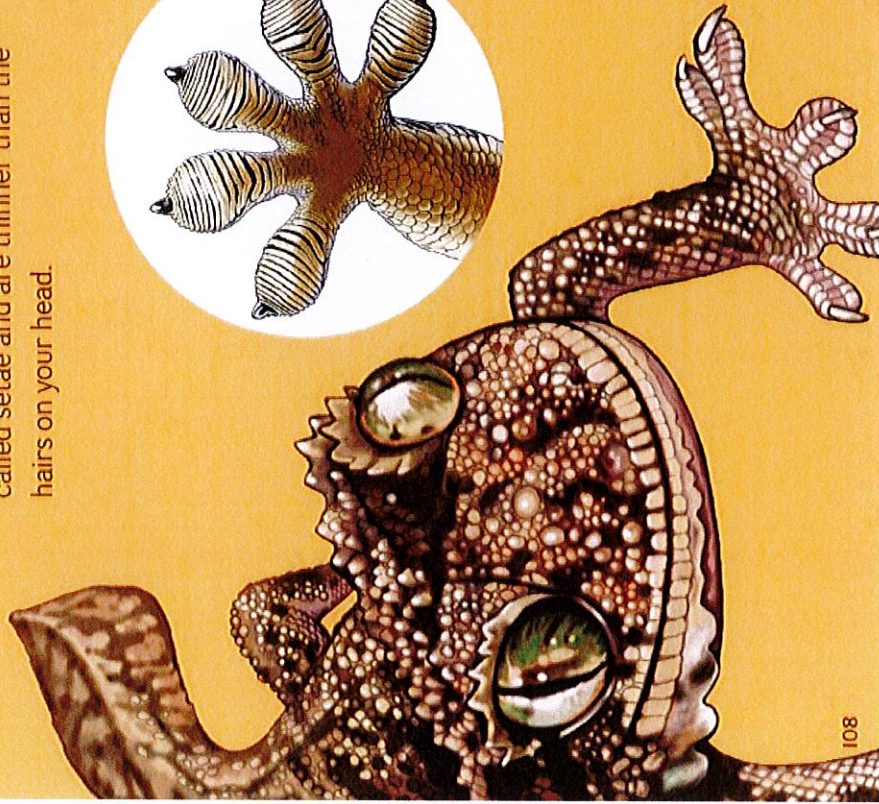
The red-bellied woodpecker's tongue is so long, it doesn't all fit in his beak. It begins at the top of his beak and loops around the back of his head to reach his mouth. The tip of the woodpecker's tongue is sharp like a fishhook. Watch out, bugs!



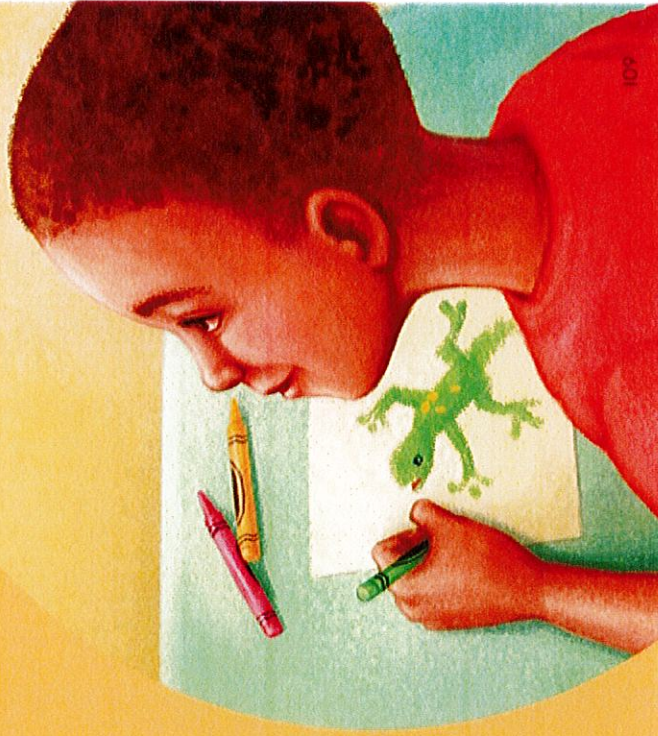
Geckos eat bugs. Geckos are lizards. When a house gecko sees a bug on the ceiling, she walks straight up the wall. She even walks upside down on the ceiling! A gecko's toes are long like your fingers.



You can do many things with your fingers. You can hold a pencil. You can tie your shoes. You can tell if something is hot or cold. Tiny hairs cover a gecko's toes. These hairs are called setae and are thinner than the hairs on your head.



Scientists believe all of these tiny setae create a force that moves energy. This is what helps the gecko stick to walls and ceilings without falling down.

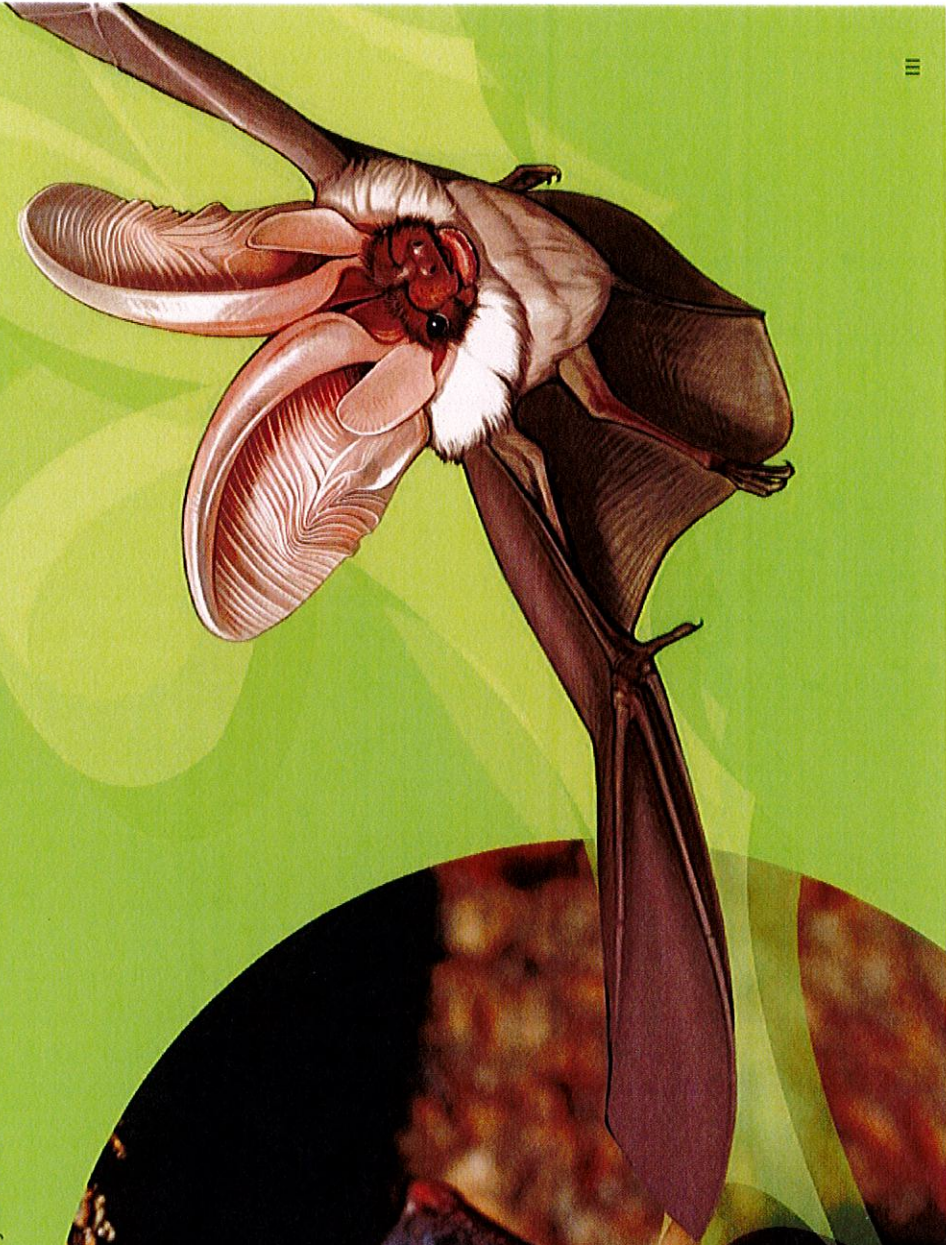


In a cave, a spotted bat is sleeping. She hangs upside down as her wings wrap around her body. Her large ears curl around her head to help her stay warm.

At night, the spotted bat flies from the cave. She is hungry and her ears stand tall. She listens for her food.



110



111

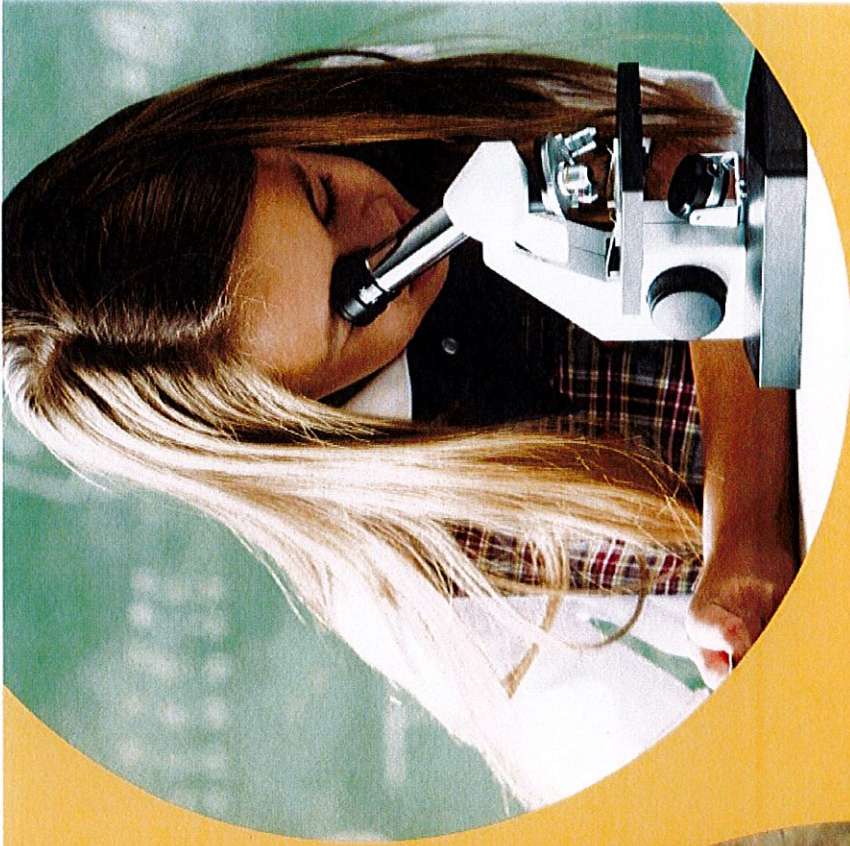


Your ears can hear shouts and whispers. They listen to music and can hear high and low notes. Your ears can tell which direction a sound is coming from.

The spotted bat's ears are very sensitive. As she flies, she makes a chirping sound. She hears the sound bounce off a moth flying in the night. Now the bat knows where to find her dinner.

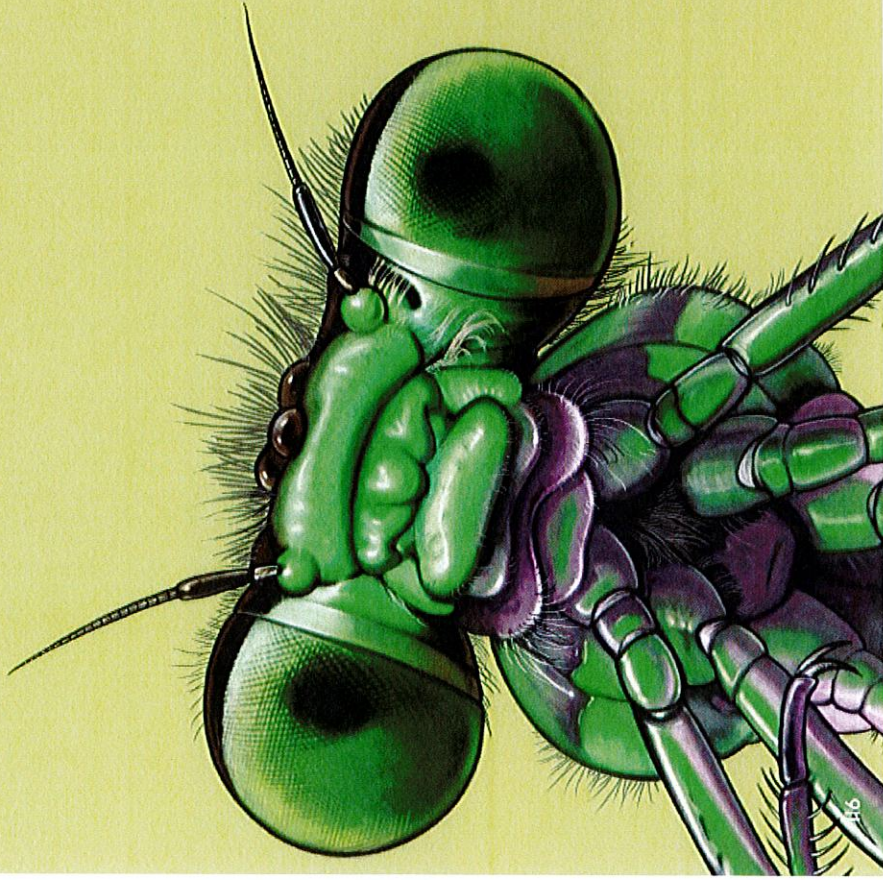


A bullfrog sits etly in the mud.
He sees a dragonfly resting on a stem
of grass. The bullfrog opens his mouth.
He jumps, but the dragonfly has flown away.



Your eyes wo ard. They can see things
close up and far away. They let you see in
dark rooms or on sunny days. They watch
things move.

A dragonfly's are very large. They wrap around its head like a space helmet. They let the dragonfly see in every direction at once. That is very helpful when you don't want to be eaten by a bullfrog.



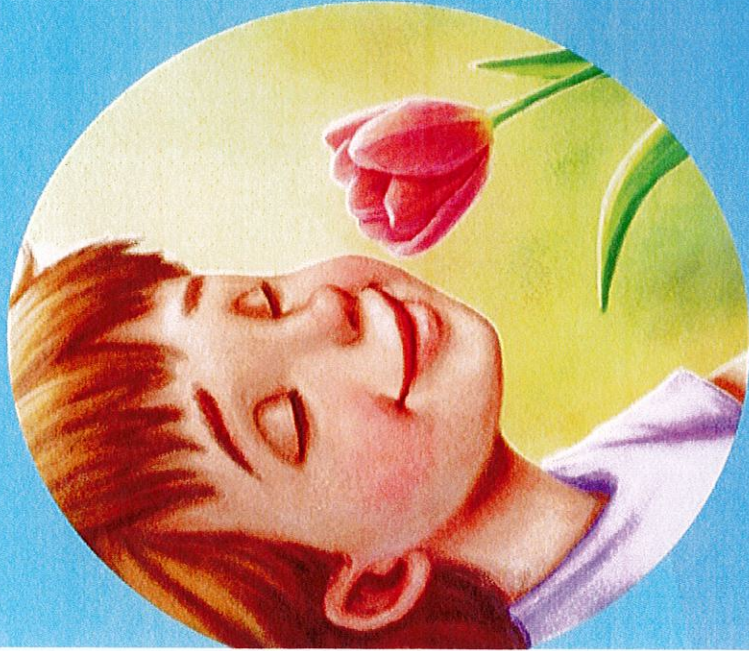
I16

An elephant r s his trunk into the air. He smells water. He runs to the river and dips in his trunk. The elephant sucks water into his trunk and then he sprays the water over his back.



I17

An elephant's trunk is its nose. You use your nose for smelling spring flowers and spicy foods. You use your nose for breathing. An elephant can do these things too. He can smell water from many miles away.



Our bodies can do many things. We taste and touch. We smell, see, and hear. Animals can do these things too!



Chapter 6 Lesson 7

Count Back by 10s

Slide 1: Title



ESSENTIAL QUESTION

How can I add and subtract two-digit numbers?



Slide 2: Essential Question

Problem of the Day

Laura reads 5 pages every night.
How many days will it take her to finish a 40-page book?
How did you find your answer?

Slide 3: Problem of the Day

Problem of the Day

Laura reads 5 pages every night.
How many days will it take her to finish a 40-page book? **8 days**
How did you find your answer?

Answers will vary

Slide 4: Problem of the Day Answers

Quick Check

Subtract.

1. 4 tens - 2 tens = _____ tens

2. 5 tens - 4 tens = _____ tens

3. 8 tens - 3 tens = _____ tens

4. 7 tens - 2 tens = _____ tens

Slide 5: Quick Check Exercises 1-4

Slide 6: Quick Check Exercises 1-4 Answers

Quick Check

Subtract.

1. 4 tens - 2 tens = **2** tens

2. 5 tens - 4 tens = **1** tens

3. 8 tens - 3 tens = **5** tens

4. 7 tens - 2 tens = **5** tens

Quick Check

5. Test Practice 9 tens - 7 tens = _____ tens

2 22 30 32

Slide 7: Quick Check Exercise 5

Slide 8: Quick Check Exercises 5 Answers

Quick Check

5. Test Practice 9 tens - 7 tens = _____ tens

2 22 30 32

INVESTIGATE the Math

Explore

How can counting back by ten help you subtract?



Slide 9: Investigate the Math-Explore

INVESTIGATE the Math

Model

Draw a point on the number line on 60, 70, 80, or 90. That number is the number of songs that Deepak has on his portable music player. To make more space he deletes 50 songs. How many songs does he have left? Use the number line to help you subtract.



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

Slide 10: Investigate the Math-Model

INVESTIGATE the Math

Model

Draw a point on the number line on 60, 70, 80, or 90. That number is the number of songs that Deepak has on his portable music player. To make more space he deletes 50 songs. How many songs does he have left? Use the number line to help you subtract.

Sample answers:



$$80 - 50 = 30$$

Slide 11: Investigate the Math-Model Answers

INVESTIGATE the Math

Extend

The drama club is having a bake sale. They make 60 cookies. They sell 40 cookies at lunch. After school they sell 10 more cookies. How many cookies do they have left?



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

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

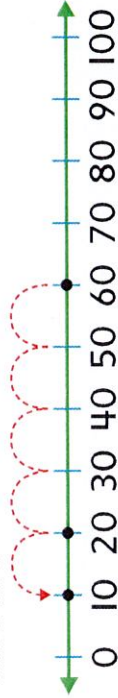
There are cookies are left.

Slide 12: Investigate the Math-Extend

INVESTIGATE the Math

Extend

The drama club is having a bake sale. They make 60 cookies. They sell 40 cookies at lunch. After school they sell 10 more cookies. How many cookies do they have left?



$$60 - 40 = 20$$

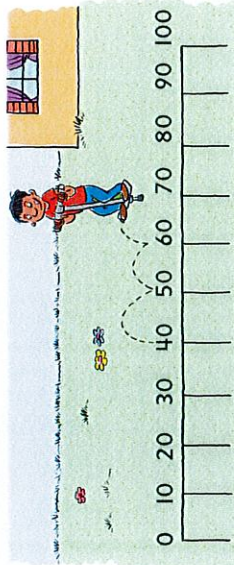
$$20 - 10 = 10$$

There are 10 cookies are left.

Slide 13: Investigate the Math: Extend Answers

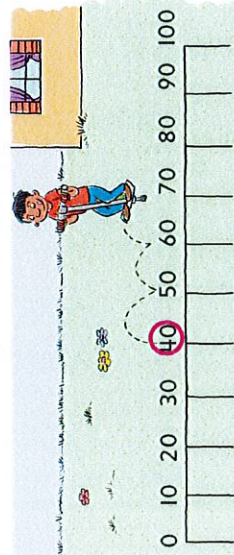
Slide 14: Math in My World

Math in My World



$$70 - 30 = \underline{\quad}$$

Math in My World



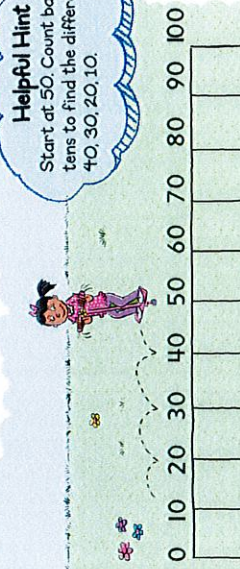
$$70 - 30 = \underline{40}$$

Slide 15: Math in My World Answers

Slide 16: Guided Practice Count Back by 10s

Guided Practice

Use a number line to subtract numbers by tens.



Helpful Hint

Start at 50. Count back by tens to find the difference.
40, 30, 20, 10.

$$50 - 40 = \underline{\quad}$$

Guided Practice

Use the number line to subtract. Show your work.
Write the difference.

1. $80 - 30 =$ _____



2. $50 - 20 =$ _____



Slide 17 Guided Practice Exercises 1-2

Slide 18 Guided Practice Exercises 1-2 Answers

Guided Practice

Use the number line to subtract. Show your work.
Write the difference.

1. $80 - 30 =$ **50**



2. $50 - 20 =$ **30**



Talk Math

Explain how you can use a number line to help you subtract by tens.

Slide 19 Talk Math

Independent Practice

Use the number line to help you subtract.
Write the difference.



3. $40 - 20 =$ _____

4. $60 - 20 =$ _____

5. $80 - 70 =$ _____

6. $20 - 10 =$ _____

Slide 20 Independent Practice Exercises 3-6

Independent Practice

Use the number line to help you subtract.
Write the difference.



$$3. 40 - 20 = \underline{20}$$

$$4. 60 - 20 = \underline{40}$$

$$5. 80 - 70 = \underline{10}$$

$$6. 20 - 10 = \underline{10}$$

Slide 21: Independent Practice Exercises 3-6 Answers

Slide 22: Independent Practice Exercises 7-9

Independent Practice

Use the number line to help you subtract.
Write the difference.

$$7. \begin{array}{r} 90 \\ - 40 \\ \hline \end{array}$$

$$8. \begin{array}{r} 50 \\ - 20 \\ \hline \end{array}$$

$$9. \begin{array}{r} 70 \\ - 50 \\ \hline \end{array}$$

Independent Practice

Use the number line to help you subtract.
Write the difference.

$$7. \begin{array}{r} 90 \\ - 40 \\ \hline 50 \end{array}$$

$$8. \begin{array}{r} 50 \\ - 20 \\ \hline 30 \end{array}$$

$$9. \begin{array}{r} 70 \\ - 50 \\ \hline 20 \end{array}$$

Independent Practice

Use the number line to help you subtract.
Write the difference.

$$10. \begin{array}{r} 30 \\ - 10 \\ \hline \end{array}$$

$$11. \begin{array}{r} 80 \\ - 40 \\ \hline \end{array}$$

$$12. \begin{array}{r} 60 \\ - 30 \\ \hline \end{array}$$

Slide 23: Independent Practice Exercises 7-9 Answers

Slide 24: Independent Practice Exercises 10-12

Independent Practice

Use the number line to help you subtract.
Write the difference.

10.
$$\begin{array}{r} 30 \\ - 10 \\ \hline 20 \end{array}$$

11.
$$\begin{array}{r} 80 \\ - 40 \\ \hline 40 \end{array}$$

12.
$$\begin{array}{r} 60 \\ - 30 \\ \hline 30 \end{array}$$

Side 25 Independent Practice Exercises 10-12 Answers

Independent Practice

Use the number line to help you subtract.
Write the difference.

13.
$$\begin{array}{r} 40 \\ - 30 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 50 \\ - 10 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 90 \\ - 20 \\ \hline \end{array}$$

Side 26 Independent Practice Exercises 13-15

Independent Practice

Use the number line to help you subtract.
Write the difference.

13.
$$\begin{array}{r} 40 \\ - 30 \\ \hline 10 \end{array}$$

14.
$$\begin{array}{r} 50 \\ - 10 \\ \hline 40 \end{array}$$

15.
$$\begin{array}{r} 90 \\ - 20 \\ \hline 70 \end{array}$$

Side 27 Independent Practice Exercises 13-15 Answers



Problem Solving

Use the number line to help you subtract.



16. A toy store has 40 teddy bears. The store sells 30 of them. How many teddy bears does the store have left?

_____ teddy bears

Side 28 Problem Solving Exercise 16



Problem Solving

Use the number line to help you subtract.



16. A toy store has 40 teddy bears. The store sells 30 of them. How many teddy bears does the store have left?

10 teddy bears

Slide 29: Problem Solving Exercise 16 Answers



Brain Builders

17. Sadie was given a set of 70 blocks. She lost 40 of the blocks. Sadie says she has 40 blocks left. Explain her error to a friend. How many blocks does Sadie actually have left?

Check students' explanations. **30** blocks

Slide 31: Brain Builders Exercise 17 Answers



Brain Builders

17. Sadie was given a set of 70 blocks. She lost 40 of the blocks. Sadie says she has 40 blocks left. Explain her error to a friend. How many blocks does Sadie actually have left?

_____ blocks

Slide 30: Brain Builders Exercise 17



Brain Builders

- Write Math** How can you use a number line to find $30 - 30$? What is the difference?

Slide 32: Brain Builders Write Math



Brain Builders

How can you use a number line to find $30 - 30$? What is the difference?

Write Math

Sample answer: Start at 30. Count back by tens 3 times. The difference is 0.

Slide 33: Brain Builders Write Math Answers

MY Homework

Practice

Use the number line to subtract. Show your work. Write the difference.

1. $60 - 20 =$ 

2. $90 - 10 =$ 

Slide 34: My Homework Exercises 1-2

MY Homework

Practice

Use the number line to subtract. Show your work. Write the difference.

1. $60 - 20 =$ 40 

2. $90 - 10 =$ 80 

Slide 35: My Homework Exercises 1-2 Answers

MY Homework

Practice

Use the number line to subtract. Show your work. Write the difference.

3. $80 - 30 =$ 

Slide 36: My Homework Exercise 3

MY Homework

Practice

Use the number line to subtract. Show your work.
Write the difference.



Slide 37: My Homework Exercises 3 Answers

MY Homework

Practice

Use the number line to help you subtract.
Write the difference.



4. $50 - 40 = \underline{\quad}$ 5. $80 - 10 = \underline{\quad}$

6. $30 - 10 = \underline{\quad}$ 7. $70 - 20 = \underline{\quad}$

Slide 38: My Homework Exercises 4-7

MY Homework

Practice

Use the number line to help you subtract.
Write the difference.



4. $50 - 40 = \underline{10}$ 5. $80 - 10 = \underline{70}$

6. $30 - 10 = \underline{20}$ 7. $70 - 20 = \underline{50}$

Slide 39: My Homework Exercises 4-7 Answers

MY Homework

Practice

Use the number line to help you subtract.
Write the difference.



8. $\begin{array}{r} 90 \\ - 30 \\ \hline \end{array}$ $\begin{array}{r} 40 \\ - 10 \\ \hline \end{array}$ $\begin{array}{r} 60 \\ - 40 \\ \hline \end{array}$

9. $\underline{\quad} - 10$ 10. $\underline{\quad} - 40$

Slide 40: My Homework Exercises 8-10

MY Homework

Practice

Use the number line to help you subtract.
Write the difference.



8.
$$\begin{array}{r} 90 \\ - 30 \\ \hline \end{array}$$

60

9.
$$\begin{array}{r} 40 \\ - 10 \\ \hline \end{array}$$

30

10.
$$\begin{array}{r} 60 \\ - 40 \\ \hline \end{array}$$

20

Side 11, My Homework Exercises 8-10 Answers

Side 12, My Homework Exercise 11

MY Homework

Brain Builders

Use the number line to help you subtract.
Write the difference.



11. There are 30 children in line to go down a slide. 10 children go down the slide. How many children are still in line?

_____ children

Explain how you solved the problem to a family member.

MY Homework

Brain Builders

Use the number line to help you subtract.
Write the difference.



11. There are 30 children in line to go down a slide. 10 children go down the slide. How many children are still in line?

20 children

Explain how you solved the problem to a family member.

Side 13, My Homework Exercise 11 Answers

Side 14, My Homework Exercise 12

MY Homework

Brain Builders

Use the number line to help you subtract.
Write the difference.



12. Test Practice $70 - 10 =$ _____

60 70 80 90

Side 14, My Homework Exercise 12

Use the number line to help you subtract.
Write the difference.



12. Test Practice $70 - 10 =$ _____

60 70 80 90

Name _____

Lesson 7 Reteach

Count Back by 10s

When you move to the left on a number line, you model subtraction or counting back.

Count back on the number line to find $70 - 20$:

- Start at 70.
- Jump back 2 tens or 20.
- The number you land on is the difference.
So, $70 - 20 = 50$.

Count back to subtract.

- $80 - 50 =$ _____
- $30 - 10 =$ _____
- $40 - 30 =$ _____
- $70 - 70 =$ _____

Grade 1 • Chapter 4 • Two-Digit Addition and Subtraction

Name _____

Lesson 7 Reteach

Count Back by 10s

When you move to the left on a number line, you model subtraction or counting back.

Count back on the number line to find $70 - 20$:

- Start at 70.
- Jump back 2 tens or 20.
- The number you land on is the difference.
So, $70 - 20 = 50$.

Count back to subtract.

- $80 - 50 =$ **30**
- $30 - 10 =$ **20**
- $40 - 30 =$ **10**
- $70 - 70 =$ **0**

Grade 1 • Chapter 4 • Two-Digit Addition and Subtraction

Name _____

Lesson 7 Enrich

Count Back by 10s

Fill in the missing numbers.

- 50 40 30 20 $50 - 30 =$ _____
- 40 $40 - 30 =$ _____
- 90 $90 - 40 =$ _____
- 40 $40 - 20 =$ _____
- 60 $60 - 40 =$ _____
- 70 $70 - 30 =$ _____
- 80 $80 - 50 =$ _____
- 30 $30 - 20 =$ _____

Grade 1 • Chapter 4 • Two-Digit Addition and Subtraction

90 80 70 60 50 40 30 20 10 0

Fill in the missing numbers.

1. 50 40 30 20

50 - 30 = 20

2. 40 30 20 10

40 - 30 = 10

3. 90 80 70 60 50

90 - 40 = 50

4. 40 30 20

40 - 20 = 20

5. 60 50 40 30 20

60 - 40 = 20

6. 70 60 50 40

70 - 30 = 40

7. 80 70 60 50 40 30

80 - 50 = 30

8. 30 20 10

30 - 20 = 10

Name _____

Lesson 7 Enrich

Count Back by 10s

90	80	70	60	50	40	30	20	10	0
----	----	----	----	----	----	----	----	----	---

Fill in the missing numbers.

1.

50	40	30	20
----	----	----	----

$50 - 30 = \underline{\hspace{2cm}}$

2.

40			
----	--	--	--

$40 - 30 = \underline{\hspace{2cm}}$

3.

90				
----	--	--	--	--

$90 - 40 = \underline{\hspace{2cm}}$

4.

40		
----	--	--

$40 - 20 = \underline{\hspace{2cm}}$

5.

60				
----	--	--	--	--

$60 - 40 = \underline{\hspace{2cm}}$

6.

70			
----	--	--	--

$70 - 30 = \underline{\hspace{2cm}}$

7.

80					
----	--	--	--	--	--

$80 - 50 = \underline{\hspace{2cm}}$

8.

30		
----	--	--

$30 - 20 = \underline{\hspace{2cm}}$

Name _____

Number and Operations in
Base Ten

I.NBT.6

Lesson 7

Count Back
by 10s

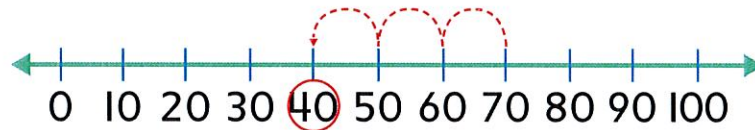
My Homework

Homework Helper



Need help? connectED.mcgraw-hill.com

To find $70 - 30$, start at 70.
Count back by tens on a number line.



$$70 - 30 = 40$$

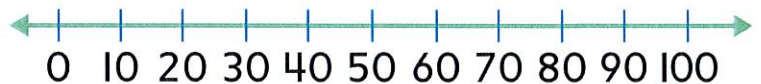
Practice

Use the number line to subtract. Show your work.
Write the difference.

1. $60 - 20 = \underline{\quad}$



2. $90 - 10 = \underline{\quad}$



3. $80 - 30 = \underline{\quad}$



Use the number line to help you subtract.
Write the difference.



4. $50 - 40 = \underline{\hspace{2cm}}$

5. $80 - 10 = \underline{\hspace{2cm}}$

6. $30 - 10 = \underline{\hspace{2cm}}$

7. $70 - 20 = \underline{\hspace{2cm}}$

8.
$$\begin{array}{r} 90 \\ - 30 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 40 \\ - 10 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 60 \\ - 40 \\ \hline \end{array}$$

Brain Builders

11. There are 30 children in line to go down a slide. 10 children go down the slide. How many children are still in line?

_____ children

Explain how you solved the problem to a family member.

12. Test Practice $70 - 10 = \underline{\hspace{2cm}}$

60

70

80

90



Math at Home Have your child show $60 - 20$ using a number line. Have him or her explain how they use the number line as they subtract.

Chapter 6 Lesson 8

Relate Addition and Subtraction of Tens

Slide 1: Title

ESSENTIAL QUESTION

How can I add and subtract two-digit numbers?



Slide 2: Essential Question

Problem of the Day

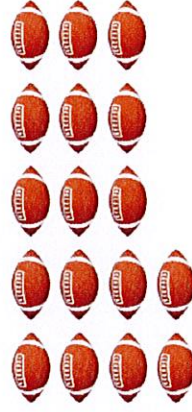
Count the footballs. Write the number and number name.



Slide 3: Problem of the Day

Problem of the Day

Count the footballs. Write the number and number name.



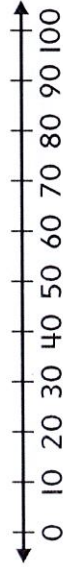
17 **seventeen**

Slide 4: Problem of the Day Answers

Quick Check

Use the number line to help you subtract.

Write the difference.



1. $40 - 20 =$ _____ 2. $70 - 50 =$ _____

3.
$$\begin{array}{r} 80 \\ -40 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 90 \\ -20 \\ \hline \end{array}$$

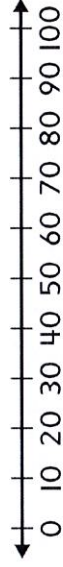
Slide 5: Quick Check Exercise 14

Slide 6: Quick Check Exercise 14 Answers

Quick Check

Use the number line to help you subtract.

Write the difference.



1. $40 - 20 =$ **20** 2. $70 - 50 =$ **20**

3.
$$\begin{array}{r} 80 \\ -40 \\ \hline 40 \end{array}$$

4.
$$\begin{array}{r} 90 \\ -20 \\ \hline 70 \end{array}$$

Quick Check

5. **Test Practice** A toy store has 40 robots. The store sells 30 of them. How many robots does the store have left.

- 40 30 20 10

Slide 7: Quick Check Exercise 5

Slide 8: Quick Check Exercise 5 Answers

Quick Check

5. **Test Practice** A toy store has 40 robots. The store sells 30 of them. How many robots does the store have left.

- 40 30 20 10

INVESTIGATE the Math



How can relating addition and subtraction facts help you solve the problems?

$$5 - 3 = 2$$

$$3 + 2 = 5$$

Side 9 Investigate the Math-Explore

INVESTIGATE the Math



A kennel is taking care of 70 dogs. They return 50 dogs to their owners. How many dogs are left?

$$70 - 50 = \underline{\hspace{2cm}}$$

Write a related addition fact using the numbers in the subtraction sentence.

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Side 10 Investigate the Math-Model

INVESTIGATE the Math



A kennel is taking care of 70 dogs. They return 50 dogs to their owners. How many dogs are left?

$$70 - 50 = \underline{20}$$

Write a related addition fact using the numbers in the subtraction sentence.

$$\underline{50} + \underline{20} = \underline{70}$$

Side 11 Investigate the Math-Model Answers

INVESTIGATE the Math



Complete the addition sentences on the right. Draw a line to connect the subtraction facts to the related addition facts. Use the addition facts to solve the subtraction facts.

A. $90 - 60 = \underline{\hspace{2cm}}$ $\underline{\hspace{2cm}} + 20 = 70$

B. $40 - 20 = \underline{\hspace{2cm}}$ $10 + \underline{\hspace{2cm}} = 80$

C. $70 - 20 = \underline{\hspace{2cm}}$ $\underline{\hspace{2cm}} + 60 = 90$

D. $80 - 10 = \underline{\hspace{2cm}}$ $20 + \underline{\hspace{2cm}} = 40$

Side 12 Investigate the Math-Extend

INVESTIGATE the Math



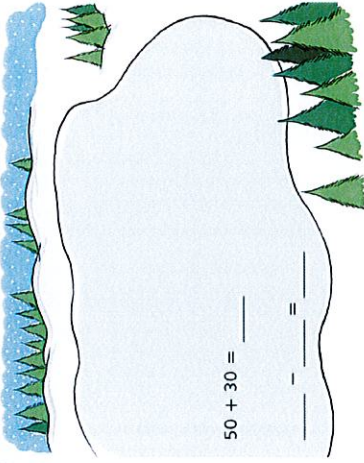
Complete the addition sentences on the right. Draw a line to connect the subtraction facts to the related addition facts. Use the addition facts to solve the subtraction facts.

See students' work.

- A. $90 - 60 = \underline{30}$ $50 + 20 = 70$
- B. $40 - 20 = \underline{20}$ $10 + \underline{70} = 80$
- C. $70 - 20 = \underline{50}$ $30 + 60 = 90$
- D. $80 - 10 = \underline{70}$ $20 + \underline{20} = 40$

Slide 13 Investigate the Math-Extend Answers

Math in My World

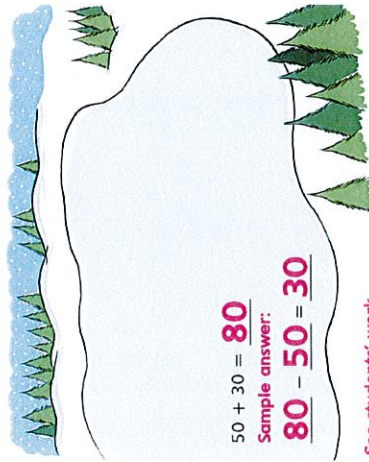


$$50 + 30 = \underline{\quad}$$

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

Slide 14 Math in My World

Math in My World



$$50 + 30 = 80$$

Sample answer:

$$80 - 50 = 30$$

See students' work.

Slide 15 Math in My World Answers

Guided Practice

Find $70 - 20$.

To find $70 - 20$, think $20 + \underline{50} = 70$.

So, $70 - 20 = \underline{50}$.

Helpful Hint

$$20 + 50 = 70,$$

$$\text{so } 70 - 20 = 50.$$

Slide 16 Guided Practice Relate Addition and Subtraction of Tens

Guided Practice

Find $70 - 20$.

To find $70 - 20$, think $20 + \underline{50} = 70$.

So, $70 - 20 = \underline{50}$.

Helpful Hint

$20 + 50 = 70$,
so $70 - 20 = 50$.

Side 17: Guided Practice Relate Addition and Subtraction of Tens Answers

Side 18: Guided Practice Exercises 1-4

Guided Practice

Use related facts to add and subtract.

1. $10 + \underline{\quad} = 30$ 2. $30 + \underline{\quad} = 60$

$30 - 10 = \underline{\quad}$ $60 - 30 = \underline{\quad}$

3. $40 + \underline{\quad} = 50$ 4. $20 + \underline{\quad} = 40$

$50 - 40 = \underline{\quad}$ $40 - 20 = \underline{\quad}$

Guided Practice

Use related facts to add and subtract.

1. $10 + \underline{20} = 30$

2. $30 + \underline{30} = 60$

$30 - 10 = \underline{20}$

$60 - 30 = \underline{30}$

3. $40 + \underline{10} = 50$

4. $20 + \underline{20} = 40$

$50 - 40 = \underline{10}$

$40 - 20 = \underline{20}$

Side 19: Guided Practice Exercises 1-4 Answers

Side 20: Guided Practice Exercises 5-6

Guided Practice

Subtract. Write a related addition fact.

5. $80 - 50 = \underline{\quad}$ 6. $90 - 70 = \underline{\quad}$

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

Guided Practice

Subtract. Write a related addition fact.

5. $80 - 50 = \underline{30}$

6. $90 - 70 = \underline{20}$

$\underline{50} + \underline{30} = \underline{80}$

$\underline{70} + \underline{20} = \underline{90}$

Talk Math

Tell the related addition fact you would use to find $60 - 40$. Explain.

Slide 21 Guided Practice Exercises 5-6 Answers

Slide 22 Talk Math

Independent Practice

Use related facts to add and subtract.

7. $50 + \underline{\quad} = 70$

8. $20 + \underline{\quad} = 80$

$70 - 50 = \underline{\quad}$

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

9. $40 + \underline{\quad} = 90$

10. $50 + \underline{\quad} = 60$

$90 - 40 = \underline{\quad}$

$60 - 50 = \underline{\quad}$

Slide 23 Independent Practice Exercises 7-10

Independent Practice

Use related facts to add and subtract.

7. $50 + \underline{20} = 70$

8. $20 + \underline{60} = 80$

$70 - 50 = \underline{20}$

$80 - 20 = \underline{60}$

9. $40 + \underline{50} = 90$

10. $50 + \underline{10} = 60$

$90 - 40 = \underline{50}$

$60 - 50 = \underline{10}$

Slide 24 Independent Practice Exercises 7-10 Answers

Independent Practice

Use related facts to add and subtract.

11. $20 + \underline{\quad} = 50$

12. $30 + \underline{\quad} = 70$

$50 - 20 = \underline{\quad}$

$70 - 30 = \underline{\quad}$

Slide 25: Independent Practice Exercises 11-12

Slide 26: Independent Practice Exercises 11-12: Answers

Independent Practice

Use related facts to add and subtract.

11. $20 + \underline{30} = 50$

12. $30 + \underline{40} = 70$

$50 - 20 = \underline{30}$

$70 - 30 = \underline{40}$

Independent Practice

Subtract. Write a related addition fact.

13. $40 - 10 = \underline{\quad}$

14. $90 - 10 = \underline{\quad}$

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

Slide 27: Independent Practice Exercises 13-14

Slide 28: Independent Practice Exercises 13-14: Answers

Independent Practice

Subtract. Write a related addition fact.

13. $40 - 10 = \underline{30}$

14. $90 - 10 = \underline{80}$

$10 + \underline{30} = \underline{40}$

$10 + \underline{80} = \underline{90}$

Independent Practice

Subtract. Write a related addition fact.

15. $30 - 20 = \underline{\quad}$ 16. $90 - 50 = \underline{\quad}$

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

Side 29 Independent Practice Exercises 15-16

Side 30 Independent Practice Exercises 15-16 Answers

Independent Practice

Subtract. Write a related addition fact.

15. $30 - 20 = \underline{10}$ 16. $90 - 50 = \underline{40}$

$\underline{20} + \underline{10} = \underline{30}$ $\underline{40} + \underline{50} = \underline{90}$



Problem Solving

Use  to subtract. Write a related addition fact.

17. A toy store has 60 video games. 40 of them get sold. How many video games does the store have left?

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

Side 31 Problem Solving Exercise 17

Side 32 Problem Solving Exercise 17 Answers



Problem Solving

Use  to subtract. Write a related addition fact.

17. A toy store has 60 video games. 40 of them get sold. How many video games does the store have left?

$\underline{60} - \underline{40} = \underline{20}$ $\underline{40} + \underline{20} = \underline{60}$

Side 32 Problem Solving Exercise 17 Answers



Brain Builders

18. Marcus has 90 basketball cards. He gives 20 cards to his brother. How many cards does Marcus have left?

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

Tell a friend how you can use a related addition fact to solve this problem.

Slide 33: Brain Builders Exercise B

Slide 34: Brain Builders Exercise B Answers



Brain Builders

18. Marcus has 90 basketball cards. He gives 20 cards to his brother. How many cards does Marcus have left?

$$\underline{90} - \underline{20} = \underline{70} + \underline{20} = \underline{90}$$

Tell a friend how you can use a related addition fact to solve this problem.



Brain Builders

- Write a word problem using the number sentence $20 + 30 = 50$ or $50 - 20 = 30$.

Write Math

Slide 35: Brain Builders Write Math



Brain Builders

- Write a word problem using the number sentence $20 + 30 = 50$ or $50 - 20 = 30$.

Write Math

See students' work.

Slide 36: Brain Builders Write Math Answers

MY Homework

Practice

Use related facts to add and subtract.

1. $10 + \underline{\quad} = 20$ 2. $40 + \underline{\quad} = 60$

$20 - 10 = \underline{\quad}$ $60 - 40 = \underline{\quad}$

3. $50 + \underline{\quad} = 90$ 4. $20 + \underline{\quad} = 30$

$90 - 50 = \underline{\quad}$ $30 - 20 = \underline{\quad}$

Slide 37: My Homework Exercises 1-4

Slide 38: My Homework Exercises 1-4 Answers

MY Homework

Practice

Use related facts to add and subtract.

1. $10 + \underline{10} = 20$ 2. $40 + \underline{20} = 60$

$20 - 10 = \underline{10}$ $60 - 40 = \underline{20}$

3. $50 + \underline{40} = 90$ 4. $20 + \underline{10} = 30$

$90 - 50 = \underline{40}$ $30 - 20 = \underline{10}$

MY Homework

Practice

Use related facts to add and subtract.

5. $30 + \underline{\quad} = 80$ 6. $10 + \underline{\quad} = 50$

$80 - 30 = \underline{\quad}$ $50 - 10 = \underline{\quad}$

Slide 39: My Homework Exercises 5-8

Slide 40: My Homework Exercises 5-8 Answers

MY Homework

Practice

Use related facts to add and subtract.

5. $30 + \underline{50} = 80$ 6. $10 + \underline{40} = 50$

$80 - 30 = \underline{50}$ $50 - 10 = \underline{40}$

MY Homework

Practice

Subtract. Write a related addition fact.

7. $70 - 60 = \underline{\quad}$ 8. $40 - 20 = \underline{\quad}$

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

Slide 113 My Homework Exercise 7.8

Slide 112 My Homework Exercise 7.8 Answers

MY Homework

Practice

Subtract. Write a related addition fact.

7. $70 - 60 = \underline{10}$ 8. $40 - 20 = \underline{20}$

$\underline{60} + \underline{10} = \underline{70}$ $\underline{20} + \underline{20} = \underline{40}$

MY Homework

Brain Builders

Write the subtraction number sentence.

Then write a related addition fact.

9. Ming's team scores 50 points in their first basketball game and 30 points in their second game. How many more points did they score in their first game? Explain how the number sentences are related to a family member.

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

Slide 113 My Homework Exercise 9

Slide 114 My Homework Exercise 9 Answers

MY Homework

Brain Builders

Write the subtraction number sentence.

Then write a related addition fact.

9. Ming's team scores 50 points in their first basketball game and 30 points in their second game. How many more points did they score in their first game? Explain how the number sentences are related to a family member.

$\underline{50} - \underline{30} = \underline{20}$ $\underline{30} + \underline{20} = \underline{50}$

Test Practice Mark the related subtraction fact.

10. $40 + \underline{\hspace{1cm}} = 60$

$40 + 10 = 50$

$60 + 30 = 90$

$60 - 40 = 20$

$60 - 40 = 10$

Test Practice Mark the related subtraction fact.

10. $40 + \underline{\hspace{1cm}} = 60$

$40 + 10 = 50$

$60 + 30 = 90$


$60 - 40 = 20$

$60 - 40 = 10$

Name _____

Lesson 8 Reteach
Relate Addition and Subtraction of Tens

The numbers in the fact triangle can be used to make a fact family. Write the facts that make the fact family.



$$\begin{array}{r} 30 + 10 = 40 \\ 40 - 30 = 10 \\ 10 + 30 = 40 \\ 40 - 10 = 30 \end{array}$$

Write the missing numbers. Use the numbers in the fact triangle.

1. $20 + \underline{\hspace{1cm}} = 50$
 $50 - 20 = \underline{\hspace{1cm}}$
 $30 + \underline{\hspace{1cm}} = 50$
 $50 - \underline{\hspace{1cm}} = 30$


2. $40 + \underline{\hspace{1cm}} = 70$
 $70 - 40 = \underline{\hspace{1cm}}$
 $30 + \underline{\hspace{1cm}} = 70$
 $70 - \underline{\hspace{1cm}} = 30$

Grade 1 • Chapter 8 • Fact Family Addition and Subtraction

Name _____

Lesson 8 Reteach
Relate Addition and Subtraction of Tens

The numbers in the fact triangle can be used to make a fact family. Write the facts that make the fact family.



$$\begin{array}{r} 30 + 10 = 40 \\ 40 - 30 = 10 \\ 10 + 30 = 40 \\ 40 - 10 = 30 \end{array}$$

Write the missing numbers. Use the numbers in the fact triangle.

1. $20 + \underline{\hspace{1cm}} = 50$
 $50 - 20 = \underline{\hspace{1cm}}$
 $30 + \underline{\hspace{1cm}} = 50$
 $50 - \underline{\hspace{1cm}} = 30$

2. $40 + \underline{\hspace{1cm}} = 70$
 $70 - 40 = \underline{\hspace{1cm}}$
 $30 + \underline{\hspace{1cm}} = 70$
 $70 - \underline{\hspace{1cm}} = 40$

Grade 1 • Chapter 8 • Fact Family Addition and Subtraction

Name _____

Lesson 8 Enrich

Relate Addition and Subtraction of Tens

Use the numbers in the fact triangle to write related addition and subtraction number sentences.



+ =
- =
+ =
- =



+ =
- =
+ =
- =



+ =
- =
+ =
- =

48

Grade 1 • Chapter 8 • Enrich: Addition and Subtraction

Name _____

Lesson 8 Enrich

Relate Addition and Subtraction of Tens

Use the numbers in the fact triangle to write related addition and subtraction number sentences.



$30 + 10 = 40$
 $40 - 30 = 10$
 $10 + 30 = 40$
 $40 - 10 = 30$

1-3. Order of facts can be different.



$20 + 30 = 50$
 $50 - 20 = 30$
 $30 + 20 = 50$
 $50 - 30 = 20$



$40 + 30 = 70$
 $70 - 40 = 30$
 $30 + 40 = 70$
 $70 - 30 = 40$

48

Grade 1 • Chapter 8 • Enrich: Addition and Subtraction

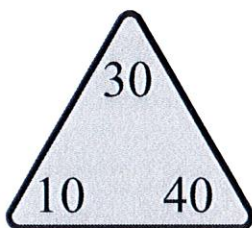
Name _____

Lesson 8 Enrich

Relate Addition and Subtraction of Tens

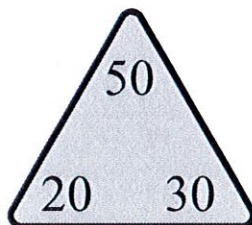
Use the numbers in the fact triangle to write related addition and subtraction number sentences.

1.



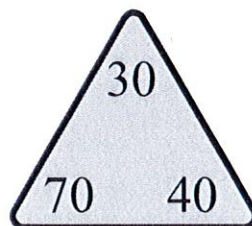
$$\begin{array}{r} \underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad} \\ \underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad} \\ \underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad} \\ \underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}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

2.



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

3.



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

Name

Number and Operations in
Base Ten

I.NBT.6

Lesson 8

Relate Addition
and Subtraction
of Tens

My Homework

Homework Helper



Need help? connectED.mcgraw-hill.com

Related facts can help you find missing numbers.

To find $70 - 50$, think $50 + 20 = 70$.

So, $70 - 50 = 20$.

Practice

Use related facts to add and subtract.

1. $10 + \underline{\quad} = 20$

$20 - 10 = \underline{\quad}$

2. $40 + \underline{\quad} = 60$

$60 - 40 = \underline{\quad}$

3. $50 + \underline{\quad} = 90$

$90 - 50 = \underline{\quad}$

4. $20 + \underline{\quad} = 30$

$30 - 20 = \underline{\quad}$

5. $30 + \underline{\quad} = 80$

$80 - 30 = \underline{\quad}$

6. $10 + \underline{\quad} = 50$

$50 - 10 = \underline{\quad}$

Subtract. Write a related addition fact.

7. $70 - 60 = \underline{\quad}$

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

8. $40 - 20 = \underline{\quad}$

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



Brain Builders

Write the subtraction number sentence.
Then write a related addition fact.

9. Ming's team scores 50 **points** in their first basketball game and 30 **points** in their second game. How many more **points** did they score in their first game? Explain how the number sentences are related to a family member.

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

Test Practice Mark the related subtraction fact.

10. $40 + \underline{\quad} = 60$

$40 + 10 = 50$



$60 + 30 = 90$



$60 - 40 = 20$



$60 - 40 = 10$



Math at Home Have your child solve the following subtraction fact: $80 - 60 = \underline{\quad}$. Ask them to say the related addition fact that can help them solve the problem.

Gecko Toes and Dragonfly Eyes

Read the following items carefully. You may look back at the selection to answer the questions.

Your email address (vwill@erieriseacademy.org) will be recorded when you submit this form. Not you? [Switch account](#)

* Required

Name *

Your answer

A beak is *

1 point

- something you eat.
- a bird's mouth.
- the seed of a tree.
- an animal's foot.

If you think something is true, you *

1 point

- believe
- finish
- present
- empty



Musical sounds are *

1 point

- paths
- skips
- robes
- notes

Which word tells how a bird can get seeds from a plant? *

1 point

- limbs
- howls
- pecks
- mutts

If you are not moving, you are *

1 point

- shaping
- resting
- acting
- tripping

A gecko's toes are most like *

1 point

- a person's fingers.
- a tree's branches.
- a bird's feathers.
- a fishes scales.



How do bats find food? *

1 point

- smelling
- looking
- listening
- feeling

The eyes of a dragonfly can *

1 point

- protect the bug's head.
- make chirping sounds.
- move in big circles.
- see in every direction.

A red-bellied woodpecker's tongue is most like *

1 point

- a rope.
- a fish hook.
- a stick
- a tunnel.

Send me a copy of my responses.

Submit

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Google Forms



Name _____ Date _____

Writing an Opinion

Think

Audience: Who will read your opinion piece?

Purpose: What do you want your opinion piece to do?

Prewriting

Plan your opinion piece about your school dress code.

My opinion is:



First reason:



Second reason:

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Prepositions

Unit 8 Lesson 1

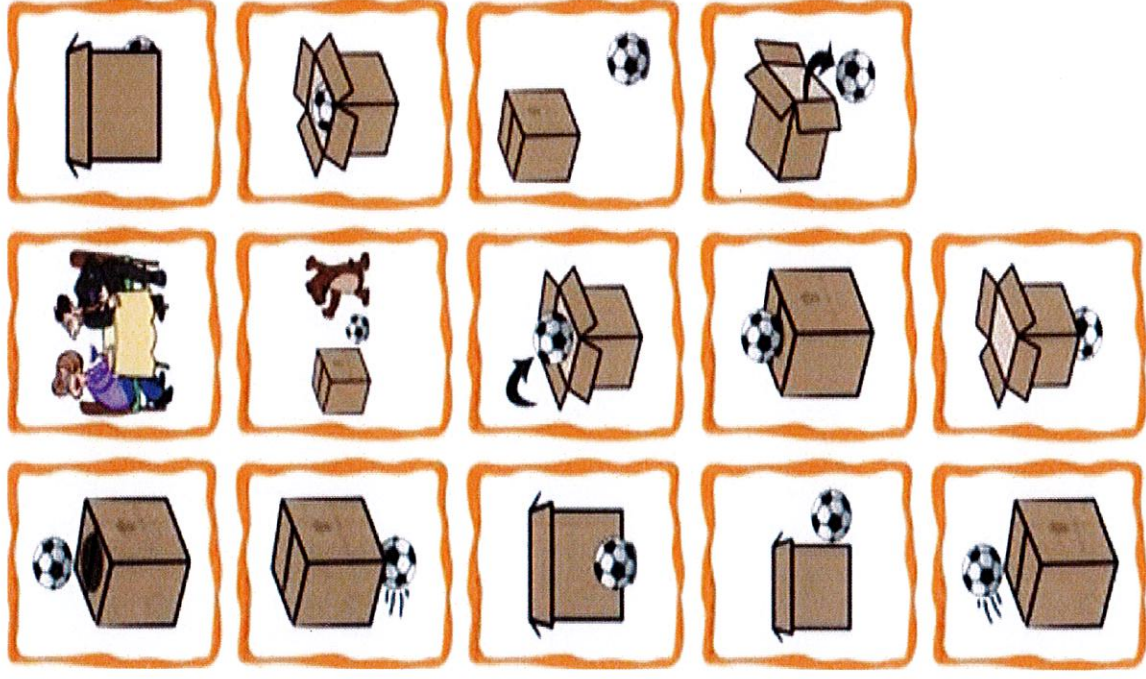
Prepositions are words that tell *where* (above, below, beside) and *when* (after, before, during) for a noun or pronoun.

Examples of common prepositions: above, across, after, at, before, behind, below, besides, between, by, far, from, in, near, of, on, to, under.

Listen to the preposition song! This will help your child to learn time, place, and position words! Click [blue hyperlink below!](#)

[Click here!](#)

Look at the picture and
have your child describe
where the ball is.



The worm is
the hole.



IN



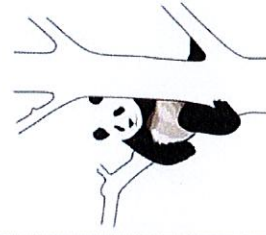
UNDER



The cat is
the hat.



ON



The panda is
sitting the tree.



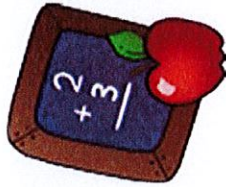
BEHIND



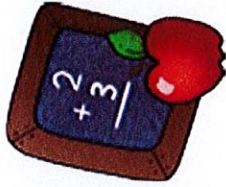
The boy is
the ball.



The apple is
the board.



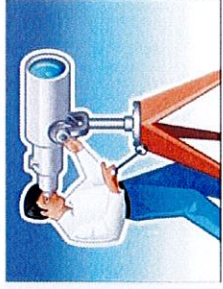
IN FRONT OF



The man is looking
..... the telescope.



THROUGH



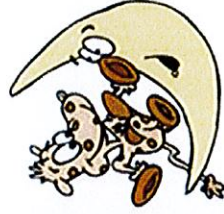
The big lion is
..... the little lions.



BETWEEN



The cow is jumping
..... the moon.



OVER



Your Turn!

1. Now it's time for you to practice! The next assignment you will play Tic-Tac-Toe. Have Fun!
2. When your child is ready, have them complete the preposition worksheet for a grade!

Prepositional Phrases

Rule

Prepositions are words that tell about the position or direction of a noun or pronoun. **Prepositional phrases** are parts of sentences that begin with a preposition and end with a noun or pronoun.

Example

The book is on the table.

Practice

Read each sentence. Circle the preposition and underline the prepositional phrase.

1. My school is near the park.
2. Luke is afraid of the snake.
3. We keep books under the stairs.
4. Lucy is across the street.
5. My dog sleeps in my sister's room.

Apply

Read each sentence. Write the prepositional phrase from the box that completes each sentence.

behind the chair

down the road

next to the plate

inside its box

6. Mom is standing _____.

7. We found the video _____.

8. The fork _____ is dirty.

9. The dog ran _____.

Write a sentence that uses the prepositional phrase **on the table**.

10. _____



Use the different sections of this letter to begin conversations with your child about what he or she is learning.

Big Idea: Why do animal bodies have different features?

There is one Big Idea question for every three weeks of instruction. Your child should think about the ways each reading selection can answer this question.

This week's reading selection: *Gecko Toes and Dragonfly Eyes*

Summary: Some animals can taste, touch, smell, see, and hear like we do.

Essential Question: How do animals taste, touch, smell, see, or hear?

► **DISCUSS** with your child how our body parts are similar to another animal's.

Vocabulary

Focus: The words below appear in this week's reading selection.

beak	<i>noun</i>	the hard and pointed part that covers a bird's mouth
believe	<i>verb</i>	to accept as true
energy	<i>noun</i>	something that has the ability to cause change or power
notes	<i>noun</i>	specific musical sounds
pecks	<i>verb</i>	strikes sharply
resting	<i>verb</i>	to stop moving and sit or lie on something
sensitive	<i>adjective</i>	easily affected by something going on around you
tie	<i>verb</i>	to make a knot in something so that it stays in place

► **ADD** the vocabulary words to your conversations at home.

Phonics and Spelling

Focus: Your child will learn the following sounds and spellings: /ōō/ spelled *_ew* and *_e*, /oo/ spelled *oo*.

Spelling Word List

- | | | |
|---------|---------|-------------|
| 1. new | 5. flew | 9. rude |
| 2. drew | 6. rule | 10. flute |
| 3. stew | 7. tune | 11. unscrew |
| 4. blew | 8. tube | 12. costume |

► **HAVE** your child tell a story using the words.

High-Frequency Words: Have your child practice reading the following words: *good* and *very*.

Language Arts

Writing: Your child will revise, edit, and publish the opinion piece about his or her favorite book. Your child will also begin writing an opinion about the school dress code by completing the prewriting step of the writing process this week.

Grammar: Your child will learn what prepositions are. Prepositions are words that tell *where* (above, below, beside) and *when* (after, before, during) for a noun or pronoun.

► **ASK** your child to say a sentence that uses a preposition.

Name: _____ Week of: _____

Spelling Menu

This paper is NOT homework. It is just some ideas of how you and your child can study the words throughout the week in preparation for the spelling test on Friday.

Rainbow Write Write your words with a pencil and trace over them with three different colors.	3 Times Each Write each spelling word three times.	ABC Order Write your words in ABC order.
Computer Time Type your words on the computer and print them out.	Vowels and Consonants Write your vowels in one color and consonants in a different color.	Steps Write each word like a staircase. Example: a an and
Sentences Use each spelling word in a sentence.	Spelling Test Have an adult or friend give you a practice spelling test.	Add Your Words Add each word. Consonants are worth 10 and vowels are worth 5. Example: her = $10+5+10=25$

Name _____ Date _____

/ōō/ Spelled _ew and u_e

Focus

Rule	Examples
The /ōō/ sound can be spelled _ew or u_e.	crew grew tube prune

Word List	
1. new	6. rule
2. drew	7. tune
3. stew	8. tube
4. blew	9. rude
5. flew	10. flute
Challenge Words	
11. unscrew	
12. costume	

Practice Sort the spelling words under the correct heading.

/ōō/ spelled _ew

/ōō/ spelled u_e

- 1. _____

- 2. _____

- 3. _____

- 4. _____

- 5. _____

- 6. _____

- 7. _____

- 8. _____

- 9. _____

- 10. _____

- 11. _____

- 12. _____

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Lesson 4 Quiz

Choose the correct answer for each question.

Your email address (vwill@erieriseacademy.org) will be recorded when you submit this form. Not you? [Switch account](#)

* Required

What are the steps that help you investigate called? *

1 point

- scientific methods
- answers

What word means "to look for answers"? *

1 point

- conclusion
- investigate

What is the last step in the scientific method? *

1 point

- ask a question
- conclusion

Send me a copy of my responses.

Submit

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