

# Day One

Monday, March 30

## Fifth Grade at Home (2<sup>nd</sup> round)

**Bible – The book of John – Read Chapter 3**

**Memory Verse – *Romans 8:38-39***

For I am convinced that neither death, nor life, nor angels, rulers, nor things present nor things to come, not powers, nor height nor depth, nor anything else in all creation, will be able to separate us from the love of God in Christ Jesus our Lord.

**Reading/Spelling/Vocab – Read Ch. 11 of *The Black Stallion* and fill in daily reading log**

**Language – Page 81**

**Math – page 194 – Read directions carefully**

**Social Studies – Work on World's Fair projects**

**Science – Ch. 3 – Read p. 74-76 – do  
Comprehension check 3.1**

# Science Comprehension Check 3.1

1. Define the following words:

OPAQUE:

TRANSLUCENT:

TRANSPARENT:

2. What is the importance of light to you?
3. Why does light not travel around corners?
4. What is the speed of light?
5. What is a shadow?
6. Identify each material as either transparent, translucent, or opaque:

AIR	CLEAR PLASTIC	MILK	BOOK
CLOUDS	CORKBOARD	MOON	WATER
CHAIR	FROSTED GLASS	GLASS	WAXED PAPER

# Day Two

Tuesday, March 31

## Fifth Grade at Home

(2<sup>nd</sup> round)

**Bible** – The book of Acts Read Chapter 27-28 about Paul's shipwreck – memorize *Romans 8:38-39*

**Reading/Spelling/Vocab** – Read Ch. 12 of *The Black Stallion* and fill in daily reading log

**Language** – Page 82

**Math** – page 196 Review of Graphs

**Social Studies** – Study your flash cards from Ch. 6

**Science** – Ch. 3 – Read p. 76-78 – do Comprehension Check 3.2

## SCIENCE – Comprehension Check 3.2

1. Identify each object as either a luminous object or a reflector:

BIKE REFLECTOR	PLANETS	LIGHTNING
CAMPFIRE	MIRROR	JACK-O-LANTERN MUSHROOM
CAT'S EYES	MOON	CLOCK YOU CAN SEE IN THE DARK
FIREFLIES	STARS	GLOWWORM
FLASHLIGHT	SUN	LIGHT BULBS

2. What is the difference between natural light and artificial light?

3. Name five types of artificial light:

4. Who invented the electric light bulb?

5. Explain how an incandescent bulb works:

# Day Three

Wednesday, April 1

## Fifth Grade at Home

(2<sup>nd</sup> round)

**Bible – Romans – Read Chapter 5 – recite Books of the Bible – memorize *Romans 8:38-39***

**Reading/Spelling/Vocab – Read Ch. 13 of *The Black Stallion* and fill in daily reading log**

**Language – Page 83**

**Math – Math TEST – you may use your math pages at home from this week to help**

**Social Studies – Study flash cards from Ch. 6**

**Science – Ch. 3 – Read p. 78-81 – Do Comprehension Check 3.3**

# **SCIENCE – Comprehension Check 3.3**

**1. Define the following words:**

**CONCAVE:**

**CONVEX:**

**FOCUS:**

**REFLECTION:**

**2. What is the difference between the headlight on your bike and the reflector?**

**3. Why is reflection of light similar to bouncing a ball?**

**4. Explain how a periscope can make light turn corners:**

**5. Describe what concave and convex mirrors do to light:**

# Day Four

Thursday, April 2

Fifth Grade at Home

(2<sup>nd</sup> round)

**Bible** – The Roman's road – Look up and read the scriptures on the Roman's Road worksheet – memorize *Romans 8:38-39*

**Reading/Spelling/Vocab** – Read Ch. 14 of *The Black Stallion* and fill in daily reading log

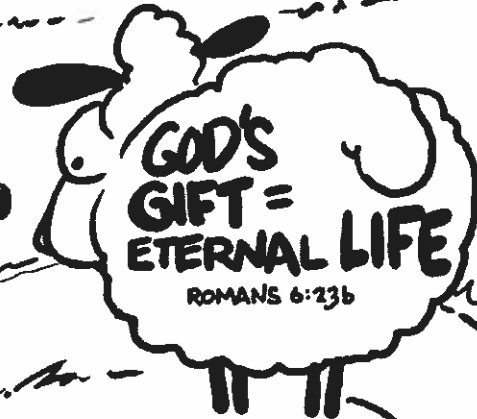
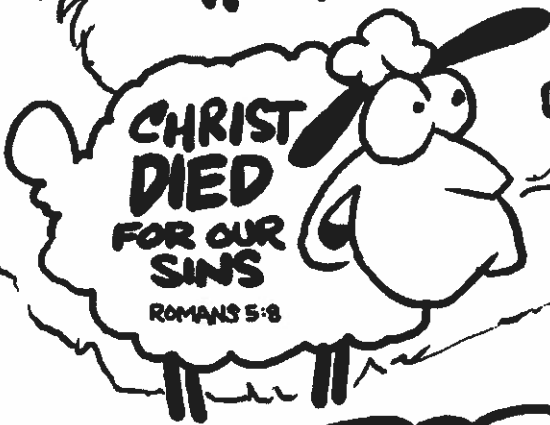
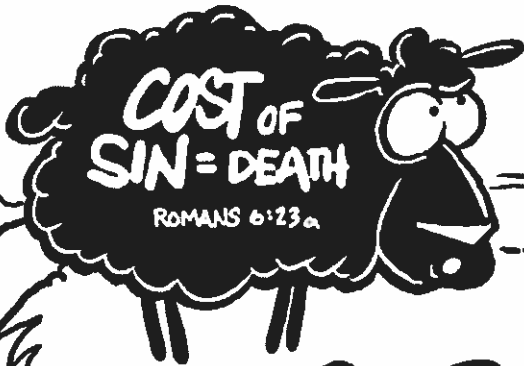
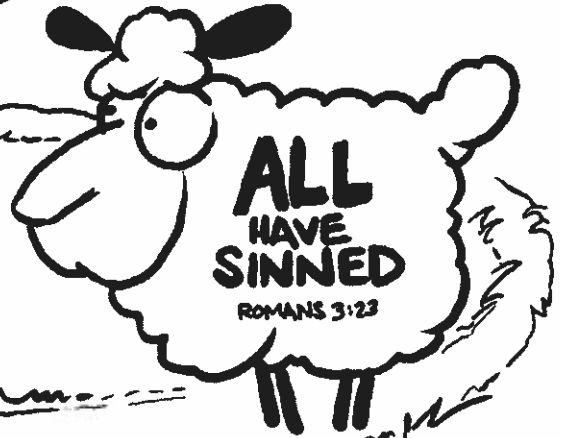
**Language** – page 84

**Math** – page 197-198 – Scaled Drawings

**Social Studies** – Take the test for Chapter 6 – you may NOT use your book or your flash cards – I am trusting you to follow these directions, please...

THERE IS A BIBLE PATH  
FOR YOUR SALVATION...  
FOLLOW THE SHEEP

# THE ROMANS ROAD



## MY PRAYER

THANK YOU JESUS, FOR DYING ON A CROSS FOR ME. I BELIEVE YOU ARE THE SON OF GOD, AND THAT YOU LIVED, DIED, AND CAME TO LIFE AGAIN. FORGIVE ME OF ALL MY SINS AGAINST YOU, AND HELP ME TO OBEY AND FOLLOW YOU ALL THE DAYS OF MY LIFE. IN JESUS NAME I PRAY.





# Day Five

Friday, April 3

## Fifth Grade at Home

(2<sup>nd</sup> round)

**Bible** – Write your memory verses in cursive for your Handwriting test – then, without looking – print your verses from memory.

**Reading/Spelling/Vocab** – Read Ch. 15 of *The Black Stallion* and fill in daily reading log

**Math** – page 199-200 – General Review

**Social Studies** – Finish up World's Fair project

**Science** – Ch. 3 – Read p. 81-84 – Do Comprehension Check 3.4

## Science – Comprehension Check 3.4

1. Give the word or phrase that best fits each clue:

a. The bending of light rays

\_\_\_\_\_

b. A lens thicker in the middle  
Than at the edges

\_\_\_\_\_

c. A lens thicker at the edges  
Than in the middle

\_\_\_\_\_

d. Lenses that focus light rays

\_\_\_\_\_

e. Lenses that scatter light rays

\_\_\_\_\_

f. An instrument that enables  
Scientists to see tiny objects

\_\_\_\_\_

g. An instrument that enables  
Scientist to see distant objects

\_\_\_\_\_

2. Who made the first telescope?

3. Who invented the reflecting telescope?

4. How did Galileo improve Lippershey's telescope?

5. Choose the main idea of this section:

a. Lenses are used in telescopes

b. Anton Von Leeuwenhoek was one of the early developers of the microscope

c. Light rays are bent as they pass from one type of material to another



# Day Six

Monday, April 6

## Fifth Grade at Home

(2<sup>nd</sup> round)

**Bible** – The book of 1 Corinthians – read chapter 13

**Memory Verse** – *1 Cor. 13:13*

So now faith, hope, and love abide, these three; but the greatest of these is love.

**Reading/Spelling/Vocab** – Read Ch. 16 of *The Black Stallion* and fill in daily reading log

**Math** – page 201-202 – Fraction review

**Social Studies** – Chapter 7 – read p. 104-110 – do Comprehension Check 7A on page 110 – *email your World's Fair paper and a pic of your trifold to amy.l.heinl@gmail.com*

**Science** – Ch. 3 – Read p. 85-88 – do Comprehension Check 3. 5

# Comprehension Check 7A - Old World History

1. What is unique about the Sahara?

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2. Why is the Sinai Peninsula sometimes referred to as a land bridge?

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3. What is the longest river in the world? \_\_\_\_\_

4. Why is Egypt called the Gift of the Nile?

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5. Upon what did the Egyptians base their seasons?

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6. Who was considered to be the "King of Upper and Lower Egypt"?

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## **Science – Comprehension Check 3.5**

**1. Which color in visible light has the longest wavelength?  
Which has the shortest?**

**2. Why does a green object look green?**

**3. What are the warm colors?**

**What are the cool colors?**

**4. Choose the main idea of this section:**

- a. Light travels through the air in waves**
- b. White light is a mixture of colored lights**
- c. Color is important in our world**

**5. Name the colors of the spectrum in the order they always appear.**

# Day Seven

Tuesday, April 7

Fifth Grade at Home

(2<sup>nd</sup> round)

**Bible** – The book of 2 Corinthians – read chapter 4  
– memorize *1 Cor. 13:13*

**Reading/Spelling/Vocab** – Read Ch. 17 of *The Black Stallion* and fill in daily reading log

**Math** – page 321

**Social Studies** – Read p. 111-115 – Do  
Comprehension Check 7B

*If you didn't yet – email your World's Fair papers and pic of trifold to  
amy.l.heinl@gmail.com*

**Science** – Ch. 3 – read p. 88-91 – Do  
Comprehension Check 3.6

# Comprehension Check 7B - Old World History

1. What title did Egyptian kings give themselves?

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2. Who was next in importance to the king?

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3. What were the huge stone structures built as tombs for burying pharaohs called?

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4. What is the most famous and largest of these tombs still standing today?

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5. What does the great Sphinx look like?

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6. What interesting pharaoh was buried in the Valley of the Kings?

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# Science – Comprehension Check 3.6

**1. Define the following words:**

**CORNEA:**

**PUPIL:**

**IRIS:**

**RETINA:**

**OPTIC NERVE:**

**2. Describe the process that enables people to see.**

**3. What kind of glasses would a nearsighted person need?**

**4. What kind of glasses would a farsighted person need?**

# Day Eight

Wednesday, April 8

Fifth Grade at Home

(2<sup>nd</sup> round)

**Bible – The book of Galatians – Read Chapter 5 –  
memorize *1 Cor. 13:13***

**Reading/Spelling/Vocab – Read Ch. 17 of *The Black Stallion* and fill in daily reading log**

**Math – page 322**

**Social Studies – Read p. 115-117 – do Comp. Check  
7C**

*If you didn't yet – email your World's Fair papers and pic of trifold to  
[amy.l.heinl@gmail.com](mailto:amy.l.heinl@gmail.com)*

**Science – Ch. 3 – Read p. 91-93 – Do  
Comprehension check 3.7**

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# Comprehension Check 7C - Old World History

1. What did most Egyptians do for work?

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2. Why did the Egyptians choose mostly white as a color to wear?

3. What pet was considered sacred by the Egyptians?

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## **Science – Comprehension Check 3.7**

- 1. Why do birds need sharp eyes?**
- 2. What is the purpose of an insect's simple eyes and compound eyes?**
- 3. What do many animals have on the back of their eyeballs to help them see at night?**
- 4. What causes an animal's eyes to look as if they glow in the dark?**
- 5. Why do butterflies, bees, and birds need to distinguish color?**

# Day Nine

Tuesday, April 14

## Fifth Grade at Home

(2<sup>nd</sup> round)

**Bible** – The book of Ephesians – Read chapter 6:10–20 – draw a picture of someone dressed in the armor of God – memorize *1 Cor. 13:13*

**Reading/Spelling/Vocab** – Read Ch. 18 of *The Black Stallion* and fill in daily reading log

**Math** – page 323

**Social Studies** – Read p. 117-119

**Science** – Ch. 3 – Do Chapter Check Up 3

# Science – Chapter Checkup – Chapter 3

*Graded – you may use your book*

A. Define the following terms:

**OPAQUE:**

**TRANSPARENT:**

**TRANSLUCENT:**

**LUMINOUS:**

**REFLECTION:**

**LENS:**

**CONCAVE LENS:**

**CONVEX LENS:**

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**FOCUS:**

**REFRACTION:**

**PRISM:**

**SPECTRUM:**

**INFARED LIGHT:**

**RETINA:**

**PUPIL:**

**IRIS:**

**CORNEA:**

## TAPETUM:

B. Read each statement and write *true* or *false* on your paper – if false, tell me why it's not true:

1. Light naturally travels around corners \_\_\_\_\_
2. Shadows are made when light is blocked by an object \_\_\_\_\_
3. Translucent materials allow you to see light but not objects through them \_\_\_\_\_
4. A microscope is used to make far away objects seem closer \_\_\_\_\_
5. A telescope is used to make small objects seem larger \_\_\_\_\_
6. Mirrors are used in periscopes to enable their users to see around corners \_\_\_\_\_
7. Nearsighted people need lenses that are convex \_\_\_\_\_
8. Ultraviolet light causes tanning or sunburn \_\_\_\_\_
9. Insects use their compound eyes to detect movement in any direction \_\_\_\_\_
10. An animal with binocular vision can see two images at the same time \_\_\_\_\_



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**C. Answer the following questions:**

- 1. Who is the creator of all light?**
- 2. What travels faster than anything else scientists can measure?**
- 3. What is the speed of light?**
- 4. What do we call the luminous objects we see in God's creation?**
- 5. Why do leaves look green?**
- 6. What is the ability to do work?**
- 7. Which mirror focuses light rays, causing the reflected object to look bigger?**
- 8. Who invented the incandescent light bulb?**
- 9. Who discovered that white light is a mixture of colored light?**
- 10. Which mirror scatters light rays, causing the reflected object to look smaller?**

**D. Answer each puzzle:**

- 1. Why do you see the flash of lightning before you hear the clap of thunder?**
- 2. If you shine a flashlight into the night sky, how fast will its light travel?**
- 3. Why can't you see a red-colored light coming from the heating element of an operating toaster?**
- 4. Why can't you see your face in a chalkboard?**

# Day Ten

Wednesday, April 15

## Fifth Grade at Home

(2<sup>nd</sup> round)

**Bible** – Write your memory verse in cursive for your Handwriting test – then, without looking – print your verse from memory.

**Reading/Spelling/Vocab** – *The Black Stallion* –  
Read your favorite chapter of the book

**Math** – page 324 – Averaging – when averaging, add all the numbers, then divide the answer (sum) by the amount of digits you just added together.

**Social Studies** – Read/Study p. 316, 323, 333 and do Chapter 7 Checkup

# Chapter 7 Checkup - Old World History

Answers will be graded - no test...you may use your book...

## A. Find these locations (Map on page 316-317)

SAHARA DESERT

RED SEA

SINAI PENINSULA

NILE RIVER

NILE DELTA

UPPER EGYPT

LOWER EGYPT

MEMPHIS

THEBES

## B. Define each term:

DELTA:

CATARACT:

FAMINE:

PHAROAH:

VIZIER:

SHADOOF:

MUMMY:3.

PYRAMIDS:

OBELISK:

SCRIBE:

PALETTE:

PAPYRUS:

SCROLL:

HIEROGLYPHICS:

**C. Who am I?**

1. King of Upper and Lower Egypt \_\_\_\_\_
  2. The first pharaoh \_\_\_\_\_
  3. Built the Great Pyramid as his tomb \_\_\_\_\_
  4. A vizier mentioned in the Bible \_\_\_\_\_
  5. Ancient Egypt's only woman pharaoh \_\_\_\_\_
  6. The pharaoh whose tomb is more famous than he
- 

**D. Answer each question:**

1. What peninsula has been a land bridge between Africa and Asia?
2. What is the world's longest river?
3. Because the Nile is so important, Egypt is often called "the \_\_\_\_\_ of the Nile"

4. Because the fertile land of Egypt ends so abruptly, what did the ancient Egyptians call their land?
  5. What is the largest of the pyramids standing today?
  6. What famous monument has the head of a man and the body of a lion?
  7. What do we call the area near Thebes that the pharaohs used as a cemetery?
  8. What was the key to understanding the meaning of hieroglyphics?
  9. What color clothing did most ancient Egyptians wear? Why?
- E. List the THREE Egyptian seasons and the type of work done during each of those seasons.

# JOHN

## AT-A-GLANCE



N.T. BOOK #4



AUTHOR: JOHN THE APOSTLE



WRITTEN: 80-90 AD

Covering this time period: 7 BC to 26 AD

Old Testament: 39 Books

4

New Testament: 27 Books

**CLAIMS TO FAME:** Known in America as the Bible book that new Christians should start with

### FAMOUS STORIES INCLUDED:

- Jesus turning water into wine
- Raising Lazarus from the dead
- The seven famous "I AM" statements of Jesus (i.e. I am the door of the sheep...)

### MOST FAMOUS VERSES:

For God so loved the world that he gave his one and only Son, that whoever believes in him shall not perish but have eternal life. **John 3:16**

Jesus answered, "I am the way and the truth and the life. No one comes to the Father except through me." **John 14:6**

Jesus replied, "Very truly I tell you, no one can see the kingdom of God without being born again." **John 3:3**

## Important Points about the Book:

- John wanted to make sure people knew that Jesus was not just a great prophet, miracle man, or teacher. He was "the only begotten son of God." Jesus was different than we are. We are born of men, and Jesus was born of God, according to all that John stated.
- John did not tell the story of Jesus' birth. Instead he reached back into eternity to start his gospel. He started with, "In the beginning was the Word, and the Word was with God, and the Word was God." It is this statement and others in the Book of John which had the early church moving to recognize the Trinity, or three in one: God the Father, God the Son, and God the Holy Spirit.
- John, his brother James, and Simon Peter had the honor of being with Jesus during his ministry more than the other disciples. Hence his witness to the truth of Jesus' divine nature is meant to be taken quite seriously.
- New Christians often start reading their Bibles with the Book of John. This is because he was a fisherman before becoming an apostle, and not a Jewish scholar. All he has to say is very relatable to normal, working-class people—like us and the generations who came before us.

# ACTS

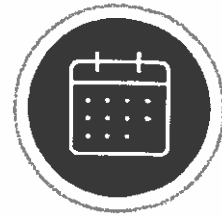
## AT-A-GLANCE



N.T. BOOK #5



**AUTHOR: LUKE**  
the Historian, Physician, and Gentile



WRITTEN: 62 AD

Covering this time period: 30-62 AD

Old Testament: 39 Books

5

New Testament: 27 Books

**CLAIMS TO FAME:** Covers the works of the Apostles in the early days after Christ's death

### FAMOUS STORIES INCLUDED:

- The Ascension
- The Day of Pentecost
- Paul's Conversion
- Peter's move to preach to the Gentile world and not just the Jews

### MOST FAMOUS VERSES:

"But you will receive power when the Holy Spirit comes on you; and you will be my witnesses in Jerusalem, and in all Judea and Samaria, and to the ends of the earth." **Acts 1:8**

"Salvation is found in no one else, for there is no other name given under heaven by which we must be saved." **Acts 4:12**

## Important Points about the Book:

- Acts is the only book in the Bible that tells us how the early church was born. It gives a valuable account of how the church was able to spark in Jerusalem and spread throughout the Roman Empire.
- Chapters 1 - 12 primarily follow Peter until his belief in preaching to the Gentiles is fulfilled. Chapters 13-28 primarily follow Paul and his missionary journeys far and wide. The book ends before either man is martyred (killed) for the faith, which is why it is dated in the early 60s AD.



# ROMANS

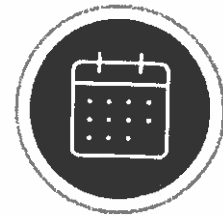
## AT-A-GLANCE



N.T. BOOK #6



AUTHOR: APOSTLE PAUL



WRITTEN: 56 AD

Old Testament: 39 Books

6

New Testament: 27 Books

**CLAIMS TO FAME:** Contains the most popular and famed salvation scriptures of any epistle.

### PROBLEMS OR ISSUES THIS BOOK IS ADDRESSING:

- Paul was writing to Christians living in Rome. Nero was emperor. He did very mean things to Christians, but he hadn't started yet. It was a time of peace. However, Paul knew he was writing to city people who can be really different from each other. Tough sailors, well-traveled tradesmen, wealthy former idolaters, and slaves were all part of the new church in Rome. He wanted them to see their likeness in Christ with statements like, "All have sinned. All fall short of the glory of God." **Romans 3:23**

### MOST FAMOUS VERSES:

If you declare with your mouth, "Jesus is Lord," and believe in your heart that God raised him from the dead, you will be saved. **Romans 10:9**

For the wages of sin is death, but the gift of God is eternal life in Christ Jesus our Lord. **Romans 6:23**

## Important Points about the Book:

- In Chapters 1-8, Paul explains the foundations of the Christian faith. This is why the book is quoted so often in salvation messages.
- In Chapters 9-11, he explains how people can receive a relationship with God
- In chapters 12-16, Paul explains how to use this information to live a godly life.

# I CORINTHIANS

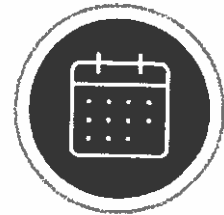
## AT-A-GLANCE



N.T. BOOK #7



AUTHOR: APOSTLE PAUL



WRITTEN: 55 AD

Old Testament: 39 Books

7

New Testament: 27 Books

**CLAIMS TO FAME:** Contains the famous chapter about “love,” which is included at nearly every Christian wedding. It is 1 Corinthians 13.

### PROBLEMS OR ISSUES THIS BOOK IS ADDRESSING:

- Paul heard there was quarrelling in the church. He was disappointed. He had spent 18 months with the Corinthian Christians and they had been doing well. He wanted to help them solve their quarreling.

### MOST FAMOUS VERSES:

Love is patient, love is kind. It does not envy, it does not boast, it is not proud... **1 Corinthians 13:4**

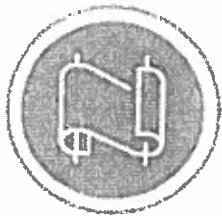
So whether you eat or drink or whatever you do, do it all for the glory of God. **1 Corinthians 10:31**

## Important Points about the Book:

- In Chapters 1-4 Paul talks about the quarrels he’s heard about and offers advice.
- In Chapters 5-11 Paul exposes sins he’s heard are already infesting the church. They had to do with sexual immorality, filing lawsuits against each other, and other things.
- In Chapters 12-15, he helps them understand difficult doctrines such as what speaking in tongues means.
- In Chapters 15-16, he preaches the pure gospel again and encourages these believers to hold fast to what is good.

# II CORINTHIANS

## AT-A-GLANCE



N.T. BOOK #8



AUTHOR: APOSTLE PAUL



WRITTEN: 55-56 AD

Old Testament: 39 Books

8 New Testament: 27 Books

**CLAIMS TO FAME:** One of the few books where Paul gives details of his own life.

### PROBLEMS OR ISSUES THIS BOOK IS ADDRESSING:

- Second Corinthians is actually the fourth letter Paul had written to this feisty group of believers. Two of the letters were lost in history. After three bad reports of their behavior, Paul finally got a good one. He wrote this letter to encourage them on their journey toward the kingdom of God.

### MOST FAMOUS VERSES:

Do not be yoked together with unbelievers. For what do righteousness and wickedness have in common? Or what fellowship can light have with darkness?  
**2 Corinthians 6:14**

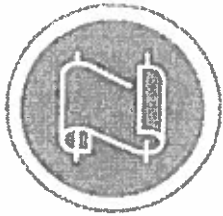
Remember this: Whoever sows sparingly will also reap sparingly, and whoever sows generously will also reap generously. **2 Corinthians 9:6**

## Important Points about the Book:

- Paul speaks about his own apostleship at great length in this book. It helps you get to know him as a person. Apparently, some people in Corinth had said he wasn't really an apostle because he didn't know Jesus until after Jesus' death and resurrection. He corrects that.
- He then uses a description of his own ministry as an exhortation for the Corinthians to live godly and open-hearted lives. He describes how he's been honest, hopeful, and devoted while suffering, and how these things have blessed his ministry.

# GALATIANS

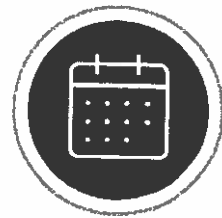
## AT-A-GLANCE



N.T. BOOK #9



AUTHOR: APOSTLE PAUL



WRITTEN: 49-50 AD

Old Testament: 39 Books

9 New Testament: 27 Books

**CLAIMS TO FAME:** Contains the famed "fruit of the spirit" passage which lists the nine fruits.

### PROBLEMS OR ISSUES THIS BOOK IS ADDRESSING:

- The Galatians were starting to say Gentiles needed to follow Jewish laws in order to be saved. It was confusing the people and putting a burden on them that was unnecessary. Paul wanted to straighten that out.

### MOST FAMOUS VERSES:

You foolish Galatians! Who has bewitched you?  
**Galatians 3:1**

But the fruit of the Spirit is love, joy, peace, patience, kindness, goodness, faithfulness. **Galatians 5:22**

## Important Points about the Book:

- In the first two chapters, Paul defends against accusations that he is not a true apostle by explaining his spiritual experience with the gospel, and what his life was like before his conversion. He then uses his relationship with the other apostles as proof that he is an apostle.
- In Chapters 3-5 Paul rails on the Galatians a bit for becoming legalistic. He explains that Jesus sets people free; he doesn't put them in bondage to hard laws. Salvation comes through faith and not following laws, he reminds them.
- In Chapters 5 & 6 he teaches about how to live, and the fruit of the spirit is part of that.

# EPHESIANS

## AT-A-GLANCE



N.T. BOOK #10



AUTHOR: APOSTLE PAUL



WRITTEN: 60-62 AD

Old Testament: 39 Books

10 Testament: 27 Books

**CLAIMS TO FAME:** Contains the famed passages about the “armor of God.”

### PROBLEMS OR ISSUES THIS BOOK IS ADDRESSING

- Paul visited Ephesus twice. The second time, a rich silversmith, Demetrius, found his business suffering greatly because people were converting to Christianity. He built silver for the idols, and suddenly there wasn't as much demand. There was a near-riot that led Paul to leave Ephesus, but only after he had done much to stabilize and grow the Christian community there. He wrote this letter while in prison in Rome to encourage them.

### MOST FAMOUS VERSES:

For our struggle is not against flesh and blood, but against the rulers, against the authorities, against the powers of this dark world and against the spiritual forces of evil in the heavenly realms. ***Ephesians 6:12***

For we are God's handiwork, created in Christ Jesus to do good works, which God prepared in advance for us to do. ***Ephesians 2:10***

## Important Points about the Book:

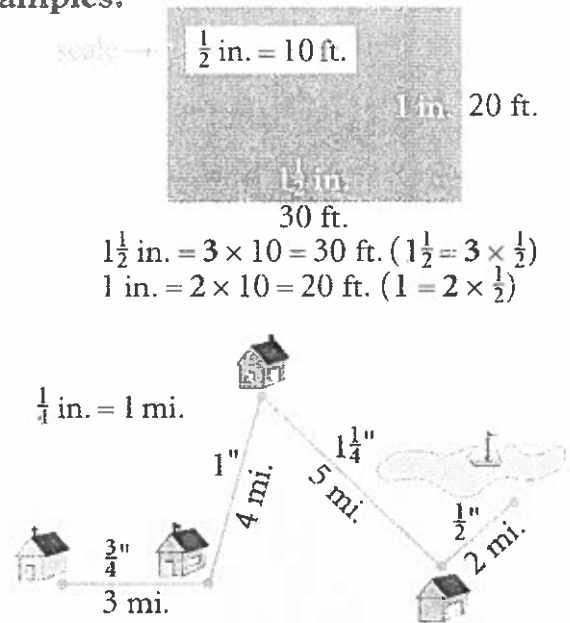
- In Chapters 1-3, Paul greatly encourages believers, calling them “adopted sons” of God, and saying things like God picked believers before the foundation of the world.
- In Chapters 4-5, he encourages believers to walk in a manner worthy of their calling. Chapter 6 is where he tells the church how to do this, by putting on the full armor of God.

# Scale Drawings

## Facts:

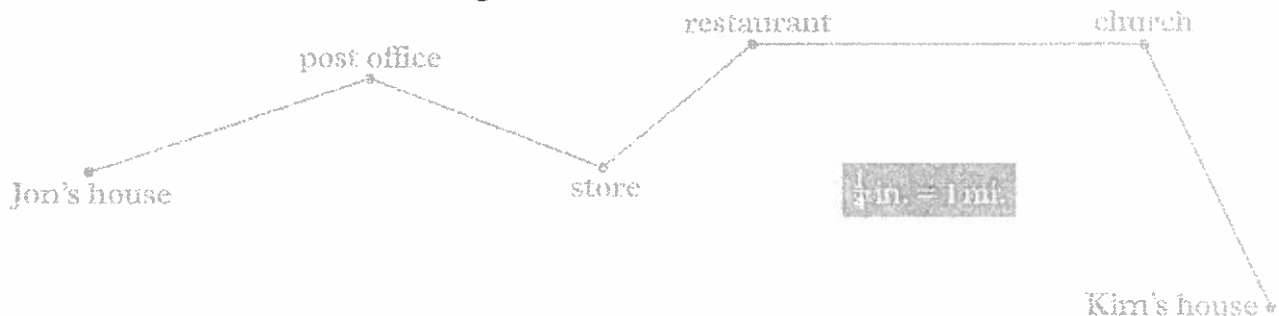
1. A scale drawing can be drawn to represent distance or size. A map uses a scale drawing to represent distances. To show the actual distance from Atlanta, Georgia, to Miami, Florida, on a map is impossible. However, a scale drawing, using the scale 1 in. = 100 mi., is quite practical. An architect uses a scale drawing when planning a structure.
2. Scale drawings that show detail are larger than the actual object. For example, a catalog may show a diamond twice its actual size. 2:1 (2 to 1) says that the pictured diamond is twice its actual size. 3:1 (3 to 1) means it is three times its actual size.

## Examples:



## Class Practice

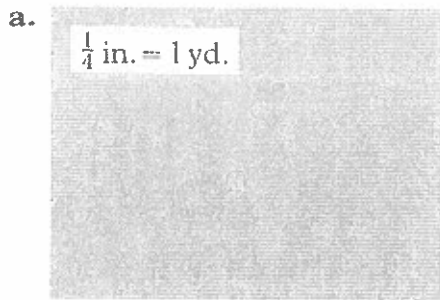
1. Find the actual distance between the following places. Use a ruler to measure along the lines.



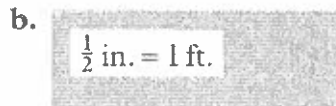
- a. \_\_\_\_\_ Jon's house to post office
  - b. \_\_\_\_\_ restaurant to Kim's house
  - c. \_\_\_\_\_ store to church
  - d. \_\_\_\_\_ post office to church
  - e. \_\_\_\_\_ Kim's house to church
  - f. \_\_\_\_\_ Jon's house to Kim's house
2. Write *s* for smaller or *l* for larger to determine if the scale drawing should be smaller or larger than the actual size.

- |                  |                       |                   |
|------------------|-----------------------|-------------------|
| a. _____ emerald | b. _____ flea         | c. _____ atom     |
| d. _____ bridge  | e. _____ tree         | f. _____ house    |
| g. _____ Israel  | h. _____ mustard seed | i. _____ elephant |

3. Use a ruler to measure the sides of the polygons to the nearest quarter inch. Use the scales to find the actual dimensions. Remember, the length ( $l$ ) is longer than the width ( $w$ ).



$l = \underline{\hspace{1cm}}$  yd.  
 $w = \underline{\hspace{1cm}}$  yd.

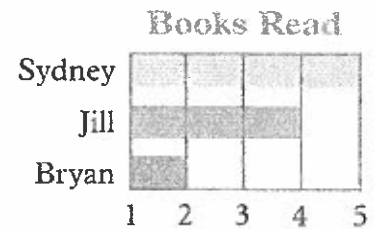
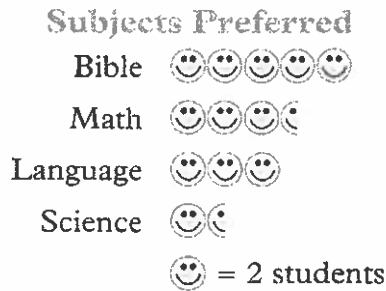
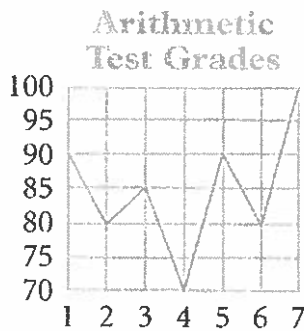


$l = \underline{\hspace{1cm}}$  ft.  
 $w = \underline{\hspace{1cm}}$  ft.



$l = \underline{\hspace{1cm}}$  ft.  
 $w = \underline{\hspace{1cm}}$  ft.

4. Write the type of graph in the blank.



## Review

5. Estimate the answers.

a. 
$$\begin{array}{r} 612 \\ 599 \\ +401 \\ \hline \end{array}$$

b. 
$$\begin{array}{r} 41 \\ \times 39 \\ \hline \end{array}$$

c. 
$$\begin{array}{r} 3,001 \\ -1,999 \\ \hline \end{array}$$

d.  $99 \overline{) \$78,500}$

e.  $\frac{101}{21} = \underline{\hspace{1cm}}$

f. 
$$\begin{array}{r} 999 \\ \times 11 \\ \hline \end{array}$$

6. Round off each answer to the nearest cent.

a. 
$$\begin{array}{r} \$7.89 \\ \times 4.5 \\ \hline \end{array}$$

b. 
$$\begin{array}{r} \$7.216 \\ 5.937 \\ +8.488 \\ \hline \end{array}$$

c. 
$$\begin{array}{r} \$10.009 \\ - 6.874 \\ \hline \end{array}$$

d.  $6 \overline{) \$1.9788}$

e. 
$$\begin{array}{r} \$1.99 \\ \times .017 \\ \hline \end{array}$$

7. Round off to the nearest ten.

a. 678  $\underline{\hspace{1cm}}$

b. 1,512  $\underline{\hspace{1cm}}$

c. 79  $\underline{\hspace{1cm}}$

d. 196  $\underline{\hspace{1cm}}$

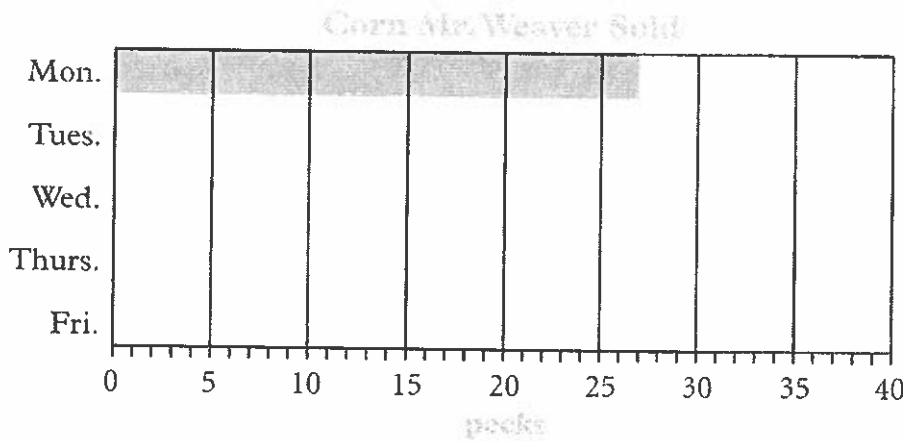
e. 4,005  $\underline{\hspace{1cm}}$

# General Review

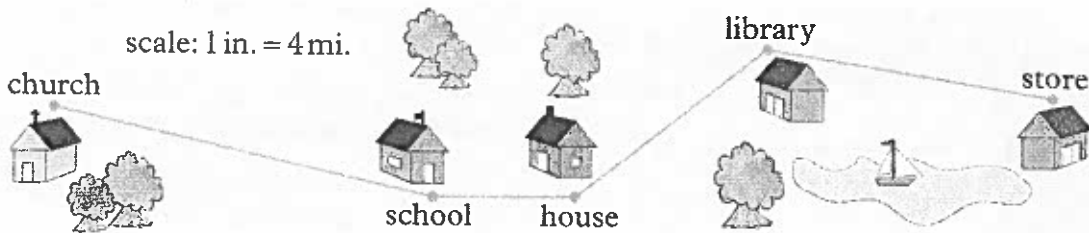
## Class Practice

1. Use a ruler to complete this bar graph. Find the average sold.

Mr. Weaver sold 27 pecks of corn on Monday, 36 pecks on Tuesday, 18 pecks on Wednesday, 40 pecks on Thursday, and 24 pecks on Friday.



2. Read the map to find the actual distance.



- |                            |                           |
|----------------------------|---------------------------|
| a. _____ school to library | b. _____ store to house   |
| c. _____ church to library | d. _____ library to store |
| e. _____ church to store   | f. _____ school to house  |

3. Change to hundredths.

- |                 |                 |                  |                 |
|-----------------|-----------------|------------------|-----------------|
| a. .6 = _____   | b. .120 = _____ | c. 3.0 = _____   | d. .190 = _____ |
| e. .630 = _____ | f. 8.1 = _____  | g. 8.600 = _____ | h. .4 = _____   |

## Review

4. Change to improper fractions.

- |                            |                           |                           |                            |
|----------------------------|---------------------------|---------------------------|----------------------------|
| a. $2\frac{2}{3} =$ _____  | b. $9\frac{2}{3} =$ _____ | c. $8\frac{7}{8} =$ _____ | d. $7\frac{1}{2} =$ _____  |
| e. $11\frac{1}{4} =$ _____ | f. $7\frac{5}{6} =$ _____ | g. $5\frac{2}{5} =$ _____ | h. $12\frac{2}{5} =$ _____ |



5. Reduce completely.

a.  $\frac{64}{128} =$

b.  $\frac{225}{775} =$

c.  $\frac{342}{414} =$

d.  $\frac{274}{296} =$

6. Fill in the blanks.

a. 9 ft. = \_\_\_ yd.

b. 24 in. = \_\_\_ ft.

c. 48 hr. = \_\_\_ da.

d. 16 pk. = \_\_\_ bu.

e. 24 qt. = \_\_\_ pt.

f. 5 hr. = \_\_\_ min.

g. 3 gal. = \_\_\_ qt.

h. 24 pt. = \_\_\_ qt.

i. 4 c. = \_\_\_ fl. oz.

7. Divide and check.

a.  $48 \overline{)32,096}$

b.  $911 \overline{)872,651}$

c.  $\frac{320}{10} =$  \_\_\_

d.  $\frac{505}{5} =$  \_\_\_

e.  $\frac{963}{9} =$  \_\_\_

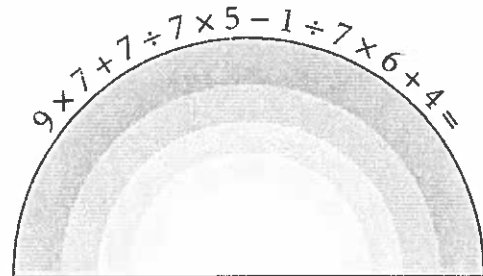
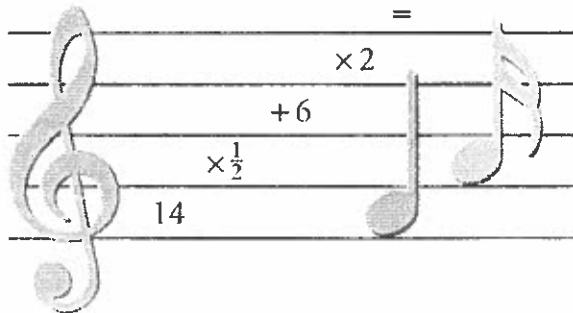
8. Answer the questions about this table. The table shows the four types of dogs shown in the two cities.

**Dogs in Shows**

Dogs	Conyers	Buford
Retrievers	$\frac{1}{2}$	$\frac{1}{3}$
Dalmatians	$\frac{1}{4}$	
Poodles	$\frac{1}{8}$	$\frac{2}{5}$
Terriers		$\frac{1}{6}$

- What fraction of the dogs shown in Conyers was terriers? \_\_\_\_\_
- What fraction of the dogs shown in Buford was dalmatians? \_\_\_\_\_
- If both cities had the same number of dogs in the show, which city had more retrievers? \_\_\_\_\_  
Poodles? \_\_\_\_\_

9. Solve these puzzles.



## Homework

Lesson 110, homework section

# Fraction Review

## Class Practice

*(Group-lettered problems are additional practice.)*

1. Mark under the three fractions that are in lowest terms.

- |                       |                       |                       |                       |                       |                       |                       |                       |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| $\frac{30}{225}$      | $\frac{49}{71}$       | $\frac{93}{126}$      | $\frac{18}{21}$       | $\frac{23}{26}$       | $\frac{471}{363}$     | $\frac{131}{627}$     | $\frac{99}{102}$      |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

2. Reduce these fractions. Use the divisibility rules.

- a.  $\frac{132}{248} = \underline{\hspace{2cm}}$       b.  $\frac{33}{39} = \underline{\hspace{2cm}}$       c.  $\frac{801}{963} = \underline{\hspace{2cm}}$       d.  $\frac{35}{100} = \underline{\hspace{2cm}}$       e.  $\frac{56}{92} = \underline{\hspace{2cm}}$

3. Follow the signs.

- |   |   |  |   |
|---|---|--|---|
| a. $3\frac{11}{12}$<br>$5\frac{2}{3}$<br>$+ 8\frac{1}{6}$ | b. $16\frac{4}{9}$<br>$9\frac{1}{6}$<br>$+ 15\frac{1}{3}$ | c. $16\frac{1}{2}$<br>$- 7\frac{7}{9}$ | d. $\frac{4}{27}$<br>$\frac{2}{9}$<br>$+ \frac{1}{3}$ |
|---|---|--|---|

- |  |  |  |                                       |
|--|--|--|---------------------------------------|
| e. $41\frac{1}{5}$<br>$- 16\frac{3}{10}$ | f. $9\frac{5}{12}$<br>$8\frac{1}{6}$<br>$+ 1\frac{1}{2}$ | g. $21\frac{3}{8}$<br>$- 9\frac{3}{4}$ | h. $\frac{11}{15}$<br>$- \frac{1}{5}$ |
|--|--|--|---------------------------------------|

4. Multiply.

- a.  $\frac{4}{7} \times 63 = \underline{\hspace{2cm}}$       b.  $\frac{5}{8} \times \frac{4}{7} = \underline{\hspace{2cm}}$       c.  $\frac{2}{3} \times \frac{3}{4} = \underline{\hspace{2cm}}$       d.  $\frac{4}{9} \times 59 = \underline{\hspace{2cm}}$

- e.  $12 \times \frac{3}{4} = \underline{\hspace{2cm}}$       f.  $\frac{9}{10} \times \frac{1}{2} = \underline{\hspace{2cm}}$       g.  $1\frac{1}{2} \times 3\frac{2}{3} = \underline{\hspace{2cm}}$       h.  $\frac{3}{4} \times 18 = \underline{\hspace{2cm}}$

- i.  $\frac{5}{8} \times \frac{2}{3} = \underline{\hspace{2cm}}$       j.  $\frac{6}{11} \times \frac{2}{3} = \underline{\hspace{2cm}}$       k.  $\frac{9}{13} \times \frac{1}{6} = \underline{\hspace{2cm}}$       l.  $\frac{8}{9} \times \frac{3}{4} = \underline{\hspace{2cm}}$

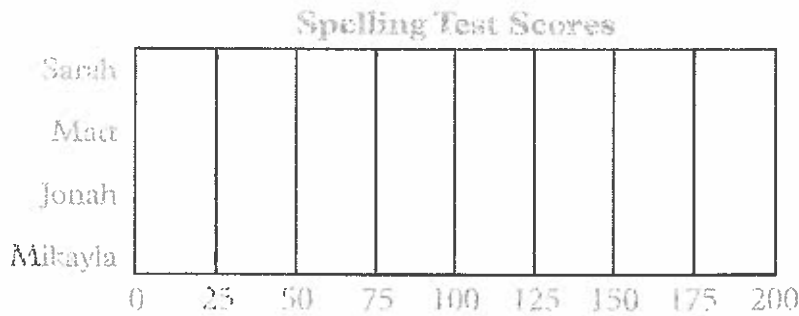
- m.  $4 \times \frac{3}{4} = \underline{\hspace{2cm}}$       n.  $18 \times \frac{5}{6} = \underline{\hspace{2cm}}$       o.  $12 \times \frac{2}{3} = \underline{\hspace{2cm}}$       p.  $27 \times \frac{7}{9} = \underline{\hspace{2cm}}$

5. Solve this story problem.

At school, Miss Barlow showed Ella a map where 1 in. = 200 mi.  
 How many miles are represented by  $\frac{1}{4}$  in.?  $\frac{1}{8}$  in.?  $\frac{1}{2}$  in.?  $\frac{1}{5}$  in.?  $1\frac{3}{4}$  in.?

6. Complete the bar graph using these statistics.

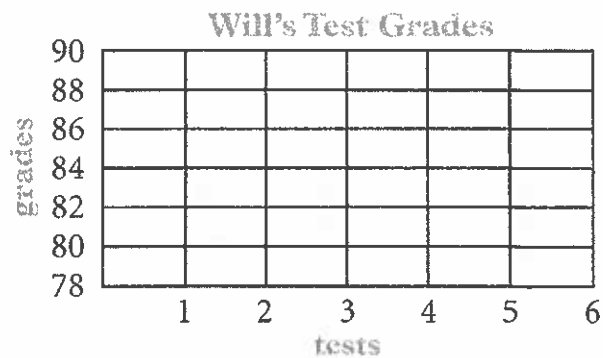
Mrs. Brooks gave her students a spelling test containing 200 words.  
 Sarah got 200 right; Matt, 175; Jonah, 150; and Mikayla, 125.



7. Use the table to plot the points.

Connect the points to form a broken line graph.

Test	1	2	3	4	5	6
Grade	88	79	84	89	81	90



## Review

8. Divide and write each remainder as a fraction in lowest terms.

a.  $8 \overline{)2,306}$

b.  $327 \overline{)69,540}$

c.  $15 \overline{)4,615}$

9. Write true or false in the blanks.

a. \_\_\_\_\_ 12 inches = 1 yard

b. \_\_\_\_\_  $.75 = \frac{3}{4}$

c. \_\_\_\_\_ DCXCIX = 699

d. \_\_\_\_\_  $2\frac{1}{2}$  ft. < 29 in.

e. \_\_\_\_\_  $5.13 < 5.099$

f. \_\_\_\_\_ 810 is divisible by 2, 3, 5, 6, 9, and 10.

## Homework

Lesson 111, homework section

## Division with a One-digit Divisor

1.  $7 \overline{)2,555}$

2.  $6 \overline{)3,288}$

3.  $9 \overline{)5,112}$

4.  $8 \overline{)7,395}$

5.  $4 \overline{)1,436}$

## Division with a Two-digit Divisor

6.  $22 \overline{)2,046}$

7.  $41 \overline{)2,378}$

8.  $54 \overline{)2,052}$

9.  $63 \overline{)5,000}$

10.  $19 \overline{)1,216}$

11.  $56 \overline{)2,760}$

12.  $67 \overline{)3,618}$

13.  $95 \overline{)2,280}$

Write the remainders as fractions in lowest terms. Check each quotient.

14.  $18 \overline{)5,841}$

15.  $35 \overline{)15,025}$

16.  $12 \overline{)10,490}$

17.  $75 \overline{)41,200}$

18.  $36 \overline{)20,997}$

19.  $27 \overline{)10,629}$

## Division with a Three-digit Divisor

1.  $473 \overline{)20,654}$

2.  $819 \overline{)7,062,543}$

3.  $478 \overline{)157,262}$

4.  $574 \overline{)727,832}$

5.  $906 \overline{)540,321}$

6.  $915 \overline{)4,516,440}$

7.  $257 \overline{)132,383}$

8.  $928 \overline{)1,256,512}$

9.  $586 \overline{)254,872}$

10.  $639 \overline{)165,501}$

11.  $250 \overline{)90,000}$

12.  $768 \overline{)303,360}$

# Writing Large Numbers

Write these numbers.

1. 5 billion, 241 million, 831 thousand, 625
2. 23 billion, 93 thousand, 287
3. 142 billion, 24
4. 9 billion, 17 million, 29 thousand
5. 793 billion, 463 thousand, 788
6. 429 million, 68 thousand, 12
7. 46 billion, 5 million, 63

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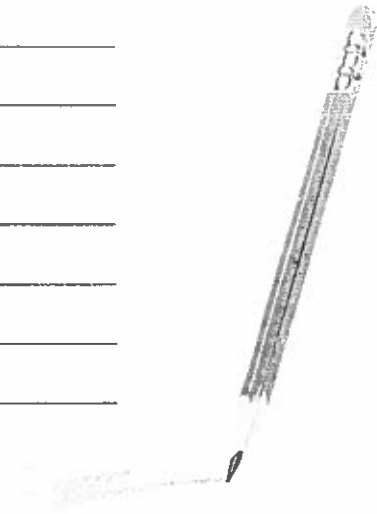
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Write the value of the red digit.

8. 246,372,507

---

9. 58,320

---

10. 3,782,639

---

11. 100,473,284

---

12. 3,146,271,825

---

13. 539,783

---

14. 26,359,704

---

15. 78,993,746

---

Write in order from least to greatest.

16. 1,000,239,700

---

least

1,100,473,007

---

between

1,001,473,007

---

between

1,011,473,070

---

greatest

Mark under the numbers whose commas are in the wrong places.

17. 543,206,729

○

18. \$7,832,6.48

○

19. 5,97,32,65,47

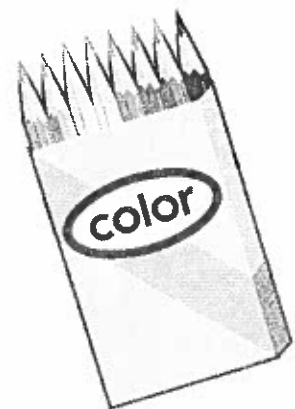
○

Circle the digits in the ten millions' place.

20. 73,246,031,012

21. 5,687,409,313

22. 17,034,583



# Averaging

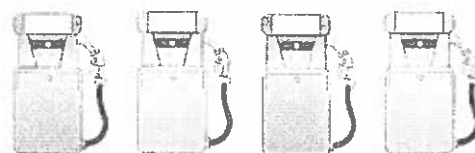
1. Grades	2. Points	3. Lengths
98	127	34 in.
87	119	19 in.
100	136	31 in.
93	98	27 in.
95	107	24 in.
90		
95		



4. Temperatures	5. Ages	6. Speeds
77°	12	63 mph
65°	10	57 mph
73°	11	50 mph
76°	12	62 mph
83°	9	59 mph
49°	10	51 mph
63°	11	
66°	9	
	15	



7. Gallons	8. Miles	9. Prices
1,387	3,246	\$53.29
952	6,389	78.50
6,534	1,016	16.92
5,950	2,837	7.85
4,387	5,486	48.72
942	3,254	37.93
3,900	4,778	25.00
2,875		9.05
999		13.85
1,604		23.69
		31.48



Name \_\_\_\_\_

Date \_\_\_\_\_

Grade

**1. Solve the story problems.**

- a. \_\_\_\_\_ Mrs. Ferris bought  $2\frac{1}{3}$  pounds of broccoli at \$.99 per pound. Find the change from a five-dollar bill.
- b. \_\_\_\_\_ Over a three-day period, 8 inches of snow fell. 2.5 inches fell the first day and 3.4 inches fell the second day. How many inches fell the third day?

**2. Follow the signs.**

- |          |   |   |  |  |
|----------|---|---|--|--|
| a. _____ | a. $\begin{array}{r} 3.4 \\ 8.7 \\ \hline \end{array}$      | b. $\begin{array}{r} 41.5 \\ 8.30 \\ 1.49 \\ + 1.001 \\ \hline \end{array}$ | c. $\begin{array}{r} 9.0 \\ -4.6 \\ \hline \end{array}$        | d. $\begin{array}{r} 82 \\ \times 4 \\ \hline \end{array}$ |
| b. _____ | $\begin{array}{r} 4.5 \\ +3.9 \\ \hline \end{array}$        |   |  |  |
| c. _____ |   |   |  |  |
| d. _____ |   |   |  |  |
| e. _____ | e. $\begin{array}{r} \$8.00 \\ -3.45 \\ \hline \end{array}$ | f. $\begin{array}{r} .123 \\ \times 4.7 \\ \hline \end{array}$              | g. $\begin{array}{r} 71.7 \\ \times .23 \\ \hline \end{array}$ |  |
| f. _____ |   |   |  |  |
| g. _____ |   |   |  |  |

**3. Compare the two numbers and write the greater in the blank.**

- a. \_\_\_\_\_ .6 or .578
- b. \_\_\_\_\_ 2.8 or 2.95
- c. \_\_\_\_\_ .3 or .03

**4. Change to hundredths.**

- a. \_\_\_\_\_ .1
- b. \_\_\_\_\_ .060
- c. \_\_\_\_\_ .130



**5. Round to the nearest ten.**

a. \_\_\_\_\_ 63

b. \_\_\_\_\_ 68

c. \_\_\_\_\_ 65

**6. Round to the nearest hundred.**

a. \_\_\_\_\_ 391

b. \_\_\_\_\_ 875

c. \_\_\_\_\_ 119

**7. Multiply carefully.**

a. \_\_\_\_\_    a.  $\frac{3}{4} \times \frac{2}{5}$     b.  $\frac{9}{10} \times \frac{2}{3}$     c.  $7 \times \frac{5}{14}$     d.  $5\frac{2}{3} \times 1\frac{1}{2}$

b. \_\_\_\_\_

c. \_\_\_\_\_

d. \_\_\_\_\_

**8. Change to a fraction. Reduce completely.**

a. \_\_\_\_\_ .5

b. \_\_\_\_\_ .75

c. \_\_\_\_\_ .8

**9. Divide.**

a. \_\_\_\_\_    a.  $37 \overline{)15,873}$     b.  $683 \overline{)173,482}$     c.  $560 \div 10$     d.  $\frac{20}{5}$     e.  $144 \div 12$

b. \_\_\_\_\_

c. \_\_\_\_\_

d. \_\_\_\_\_

e. \_\_\_\_\_

**TEST 5**

*Old World History and Geography*

Ch. 6

**I. MATCHING:** Write the letter of the correct answer in the blank.

- |       |   |                            |
|-------|---|----------------------------|
| _____ | 1. world's largest city                                       | <b>A.</b> Great Wall       |
| _____ | 2. world's longest man-made waterway                          | <b>B.</b> Great Silk Road  |
| _____ | 3. trade route between China and the Roman Empire             | <b>C.</b> Tiananmen Square |
| _____ | 4. only Southeast Asian country never under European rule     | <b>D.</b> Grand Canal      |
| _____ | 5. world's coldest desert (outside Antarctica)                | <b>E.</b> Mt. Fuji         |
| _____ | 6. world's third largest country                              | <b>F.</b> Greenland        |
| _____ | 7. world's largest island                                     | <b>G.</b> Tokyo            |
| _____ | 8. where a move for freedom was brutally crushed in 1989      | <b>H.</b> Gobi             |
| _____ | 9. Japan's most famous landmark                               | <b>I.</b> Thailand         |
| _____ | 10. often referred to as the "spice islands" or "East Indies" | <b>J.</b> China            |
|       |   | <b>K.</b> Indonesia        |
|       |   | <b>L.</b> Huang He         |

**II. TRUE/FALSE:** If the statement is true, write *true*. If the statement is false, replace the underlined word with a word that will make the statement true. Do not write *false* in any blank.

- \_\_\_\_\_ 1. The capital of China is Beijing.
- \_\_\_\_\_ 2. The capital of Thailand is Manila.
- \_\_\_\_\_ 3. The capital of Taiwan is Tokyo.
- \_\_\_\_\_ 4. The capital of South Korea is Seoul.
- \_\_\_\_\_ 5. The capital of the Philippines is Taipei.
- \_\_\_\_\_ 6. The capital of Japan is Bangkok.
- \_\_\_\_\_ 7. The capital of Singapore is Singapore.
- \_\_\_\_\_ 8. China got its name from the Ch'in dynasty.

- \_\_\_\_\_ 9. The largest empire in history was the Persian empire.
- \_\_\_\_\_ 10. The bullet train is found in Taiwan.
- \_\_\_\_\_ 11. At the end of the Korean War, only South Korea remained Communist.
- \_\_\_\_\_ 12. At the end of the Vietnam War, all of Vietnam became a Communist nation.

**III. MULTIPLE CHOICE:** Write the letter of the correct answer in the blank.

- \_\_\_\_\_ 1. Which country is called the "Land of the Rising Sun"?
- |          |            |
|----------|------------|
| a. China | c. Korea   |
| b. Japan | d. Vietnam |
- \_\_\_\_\_ 2. Which emperor ordered the completion of the Great Wall of China?
- |                    |                 |
|--------------------|-----------------|
| a. Chiang Kai-shek | c. Confucius    |
| b. Shih Huang Ti   | d. Genghis Khan |
- \_\_\_\_\_ 3. What fractional part of the world's population lives in China?
- |        |        |
|--------|--------|
| a. 1/2 | c. 1/4 |
| b. 1/3 | d. 1/5 |
- \_\_\_\_\_ 4. What is the main food crop of China?
- |          |         |
|----------|---------|
| a. wheat | c. rice |
| b. corn  | d. oats |
- \_\_\_\_\_ 5. Which Italian trader wrote a book about his experiences in China once he returned to Europe?
- |                |                    |
|----------------|--------------------|
| a. Marco Polo  | c. Hudson Taylor   |
| b. Sun Yat-sen | d. Adoniram Judson |
- \_\_\_\_\_ 6. Which missionary was martyred in Communist China?
- |                    |                  |
|--------------------|------------------|
| a. Adoniram Judson | c. John Stam     |
| b. Hudson Taylor   | d. William Carey |
- \_\_\_\_\_ 7. After the Communist takeover of mainland China, where did the Nationalists flee?
- |             |            |
|-------------|------------|
| a. Taiwan   | c. Toronto |
| b. Thailand | d. Tokyo   |
- \_\_\_\_\_ 8. Hiroshima and Nagasaki are cities in this country.
- |          |            |
|----------|------------|
| a. China | c. Korea   |
| b. Japan | d. Vietnam |

