

UNIT
3

Number Prefixes

Read and Say

Basic

1. *universe*
2. *billion*
3. *binoculars*
4. *tripod*
5. *unique*
6. *unison*
7. *triple*
8. *semicircle*
9. *triangle*
10. *bicycle*
11. *unify*
12. *triplets*
13. *semicolon*
14. *biceps*
15. *bimonthly*
16. *unity*
17. *trio*
18. *university*
19. *biannual*
20. *semifinals*

READ the sentences. **SAY** each bold word.

- 1 Is the **universe** endless?
- 2 A **billion** things are hard to imagine.
- 3 I can see almost a mile with my **binoculars**.
- 4 One leg of the camera **tripod** is bent.
- 5 Each snowflake is **unique**.
- 6 Please sing this song in **unison**.
- 7 Dan can do a **triple** flip.
- 8 We sat in a **semicircle** around the fire.
- 9 Fold each strip into the shape of a **triangle**.
- 10 Both tires on his **bicycle** were flat.
- 11 How can we **unify** the different groups?
- 12 The **triplets** often wear matching clothes.
- 13 Use a **semicolon** to connect those clauses.
- 14 Swimmers have strong **biceps** and upper arms.
- 15 We have six **bimonthly** art classes a year.
- 16 The thirteen colonies pledged their **unity**.
- 17 A **trio** of clowns ran around the ring.
- 18 Mom is a student at the **university**.
- 19 Our **biannual** meetings are in spring and fall.
- 20 Will our team be playing in the **semifinals**?

uni-

bi-

tri-

semi-



Spelling Strategy Remember that *uni-* ("one"), *bi-* ("two; twice"), *tri-* ("three"), and *semi-* ("half") are number prefixes.

Think and Write Write each Basic Word under its prefix.

- | | |
|---------------|--------------|
| Review | 23. gigantic |
| 21. unite | 24. explode |
| 22. observe | 25. confirm |

- | | |
|------------------|------------------|
| Challenge | 28. bilingual |
| 26. trigonometry | 29. trivet |
| 27. bicentennial | 30. semiprecious |

Independent Practice

Vocabulary: Replacing Words Write the Basic Word that means the same thing as the underlined word or words in each sentence. Use your Spelling Dictionary.

1. The flare star suddenly became three times its original size.
2. Gabe used field glasses to observe the craters on the surface of the moon.
3. The astronomer set up her camera on a three-legged stand.
4. The telescope at the observatory is one of a kind.
5. A threesome of scientists studied the photographs of Venus.
6. Professor Vila says that the moon's seas are about four thousand million years old.
7. *The Star-Gazer's Report* is published every two months.
8. The pattern of the stars formed a three-sided geometric figure.
9. The government passed a bill that would combine several scientific research programs.
10. Last night, the moon was a brightly glowing half-circle.
11. Trudy made it to the next to the last round of matches in the science club trivia competition.



Vocabulary: Word Clues Write the Basic Word that fits each clue. Use your Spelling Dictionary.

12. three who celebrate their birthdays on the same day
13. twice a year
14. a part of the arm that is flexed a lot
15. the combination of musical tones of the same pitch
16. a punctuation mark that both separates and joins
17. a school of higher learning
18. all existing things
19. a two-wheeled vehicle
20. what the fifty states have

Challenge Words Write the Challenge Word commonly associated with each word or phrase below. Use your Spelling Dictionary.

- | | | |
|----------------|-----------------|----------|
| 21. hot dishes | 23. mathematics | 25. gems |
| 22. language | 24. anniversary | |

Replacing Words

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____

Word Clues

12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

Challenge Words

21. _____
22. _____
23. _____
24. _____
25. _____

Dictionary

Alphabetical Order/Guide Words Words in a dictionary are listed alphabetically. **Guide words** appear at the top of each page and indicate the first and last entries on the page.

Practice Write each list of words in alphabetical order. Use a separate sheet of paper.

1. semicircle, semifinals, semiannual, semicolon, semiarid
2. triplane, triple, tripod, tripedal, triangle
3. biceps, binoculars, billionth, bicycle, billionaire

Look up the following words in your Spelling Dictionary. Write the guide words that appear at the top of the page for each word.

- | | |
|------------|--------------|
| 4. unify | 7. gigantic |
| 5. explode | 8. colonel |
| 6. bicycle | 9. semicolon |

Word Combination

10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____
21. _____
22. _____
23. _____
24. _____
25. _____

4. _____
5. _____
6. _____

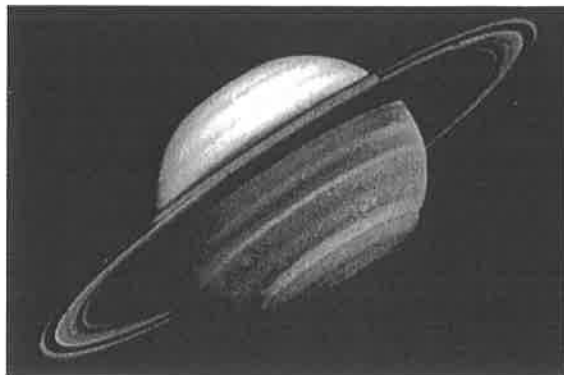
7. _____
8. _____
9. _____

Review: Spelling Spree

Word Combination Add the prefix of the first word to a letter or group of letters from the end of the second word to write a Basic or Review Word.

Example: trillion + droplets *triplets*

- | | |
|--------------------------|--------------------------------|
| 10. trident + duo | 22. bison + million |
| 11. bifocal + forceps | 23. semiweekly + quarterfinals |
| 12. uniform + reverse | 24. triplane + droplets |
| 13. biplane + unicycle | 25. unilateral + quality |
| 14. trial + bipod | |
| 15. bisect + semiannual | |
| 16. unicorn + person | |
| 17. semisoft + encircle | |
| 18. tricolor + rectangle | |
| 19. univalve + terrify | |
| 20. binary + semimonthly | |
| 21. union + invite | |

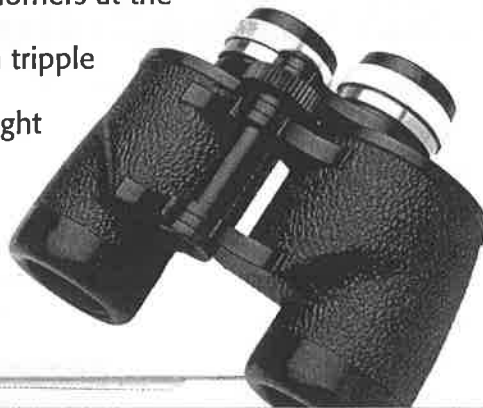


Proofreading and Writing

Proofread for Spelling Use proofreading marks to correct nine misspelled Basic or Review Words in this article.

Example: Our class makes a ^{biannual}biannual field trip to the observatory.

On May 16, stargazers were able to observe a uneque sight. A trio of stars blew apart within seconds of one another. The closely grouped stars, which together looked like a semicolon punctuating the night sky, began to expload at 10:38 P.M. The jigantic bursts of light were clearly visible with the help of binoculars. Astronomers at the universaty confirm that a tripple explosion such as this might occur only once in a billion years.



Write the Script of a Conversation While watching the night sky, you and a friend see a meteor shower. Write a script of the conversation you have during the event. Try to use five spelling words, and remember to punctuate your dialogue correctly.

Basic

1. universe
2. billion
3. binoculars
4. tripod
5. unique
6. unison
7. triple
8. semicircle
9. triangle
10. bicycle
11. unify
12. triplets
13. semicolon
14. biceps
15. bimonthly
16. unity
17. trio
18. university
19. biannual
20. semifinals

Review

21. unite
22. observe
23. gigantic
24. explode
25. confirm

Challenge

26. trigonometry
27. bicentennial
28. bilingual
29. trivet
30. semiprecious

Proofreading Marks

- ¶ Indent
- ^ Add
- ^ Add a comma
- “ ” Add quotation marks
- ⊙ Add a period
- Delete
- ≡ Capital letter
- / Small letter
- ~ Reverse order

Vocabulary Enrichment

Unit 3
BONUS

Expanding Vocabulary

Spelling Word Link

unique
bicycle
triplets
semicircle

More Number Prefixes The spelling words *unique*, *bicycle*, *triplets*, and *semicircle* each have a common number prefix. Below are five more.

PREFIX	MEANING	EXAMPLE
quad	four	Quadriceps are muscles with four parts.
quint	five	A quintet is a group of five people.
hept	seven	Heptarchy is rule by seven people.
sept	seven	Septennial means "every seven years."
oct	eight	An octopus is an eight-armed sea animal.

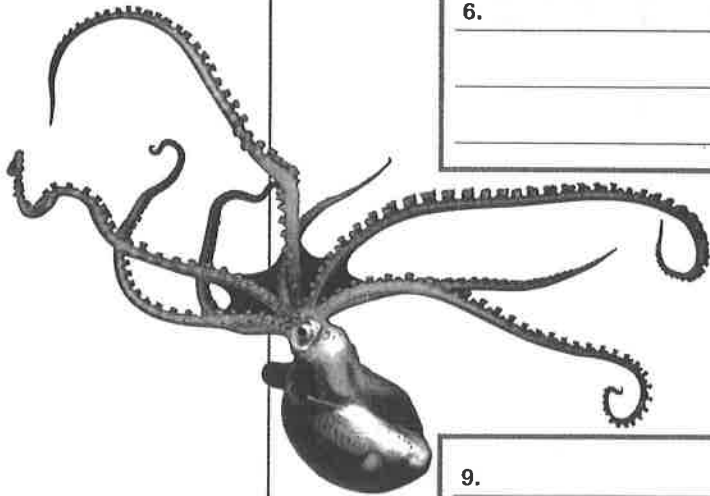
Write the word that matches each definition.

heptagon quadrille quintuplets septet octave

1. _____
2. _____
3. _____
4. _____
5. _____

1. five children born together
2. a series of eight musical tones
3. a group of seven people
4. a dance performed by four couples
5. a seven-sided flat figure

Now write a sentence for one word from each of these word pairs: *quadriceps/quadrille*, *quintet/quintuplets*, *heptarchy/heptagon*, *septennial/septet*, *octopus/octave*.



6. _____

7. _____

8. _____

9. _____

10. _____

Vocabulary Enrichment

Unit 3
BONUS

Real-World Connection

Science: Astronomy All the words in the box relate to astronomy. Look up these words in your Spelling Dictionary. Then write the words to complete this paragraph.

You can learn a lot about (1) simply by observing the sky. For example, the bright, broad band of the (2) is clearly visible from Earth. The group of stars in the (3) called the Big Dipper are also easy to spot. If you gaze long enough, you may see a (4) falling toward Earth. A (5), with its long tail and glowing head, is a rarer sight. Rarest of all is the (6), or exploding star, which you would probably need a telescope to see. Point a telescope between Mars and Jupiter, and you might spot an (7). Although the stars and planets appear crowded together, they are actually so far apart that a unit of measure called a (8), equal to six trillion miles, is used to calculate the distances between them.

Spelling Word Link

universe

- astronomy
- constellation
- Milky Way
- meteor
- light-year
- comet
- supernova
- asteroid

1.	_____
2.	_____
3.	_____
4.	_____
5.	_____
6.	_____
7.	_____
8.	_____

9.	_____
10.	_____
11.	_____
12.	_____

TRY THIS!

Riddle Time! Write the Vocabulary Word that answers each riddle.

- 9. What is a star picture?
- 10. What is a distance measured by time?
- 11. What are we part of and able to see at the same time?
- 12. What has a tail and a head but no legs?

Fact File

Polaris, known as the North Star, shines brightly at the end of the Little Dipper's handle. From its position over the North Pole, Polaris has guided travelers for thousands of years.

