Tucson International Academy

Academia International de Tucson

图森国际学院

Homework Packet 7th Grade, Week 21

Name _____

Week begins _____ Due on _____

Each week, you are to complete your entire homework packet and turn it in the day your teacher assigns. You and your parent/guardian must also sign below, confirming you have completed and finished your homework to the best of your ability.

Student Signature _____ Date _____

Parent/Guardian Signature _____ Date _____

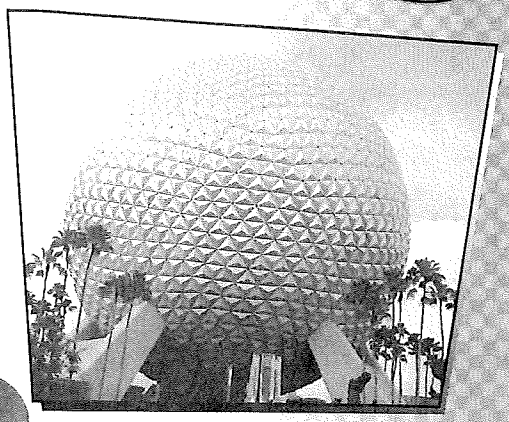
2700 West Broadway Boulevard, Tucson, Arizona 85745, (520) 792-3255
www.tucsoninternationalacademy.com

Words from Math

Lesson 21

TIP

The world of mathematics has its own language. Some of its words, such as isosceles, are not used except in mathematics. Other words, such as obtuse, have meanings within mathematics and outside of it. All the **list words** are used in math. Many follow spelling rules you have already learned. Others will have to be memorized.



Vocabulary Development

Write the **list word** that matches each definition.

1. anything that changes or varies _____
2. slanting from one corner to the other _____
3. corresponding; in agreement or harmony _____
4. having an angle greater than 90° _____
5. a law or principle _____
6. having symmetry or balance _____
7. a line touching a curved plane _____
8. a round object _____
9. four-sided figure with two parallel sides _____
10. triangle with two equal sides _____
11. triangle with all sides equal _____
12. instrument for measuring angles _____

Dictionary Skills

Write the **list word** that matches each sound-spelling.

1. (sky$\overline{oo}$) _____
2. (vur′ti k′l) _____
3. (ī säs′ə lēz) _____
4. (ō blēk′) _____
5. (ab′sə l$\overline{oo}$t) _____
6. (dī ag′ə n′l) _____
7. (prō trak′tər) _____
8. (min′ə məm) _____
9. (di näm′ə nāt′ər) _____
10. (i kwā′zhən) _____
11. (in′i kwäl′ə tē) _____
12. (käŋ′gr$\overline{oo}$ ənt) _____

LIST WORDS

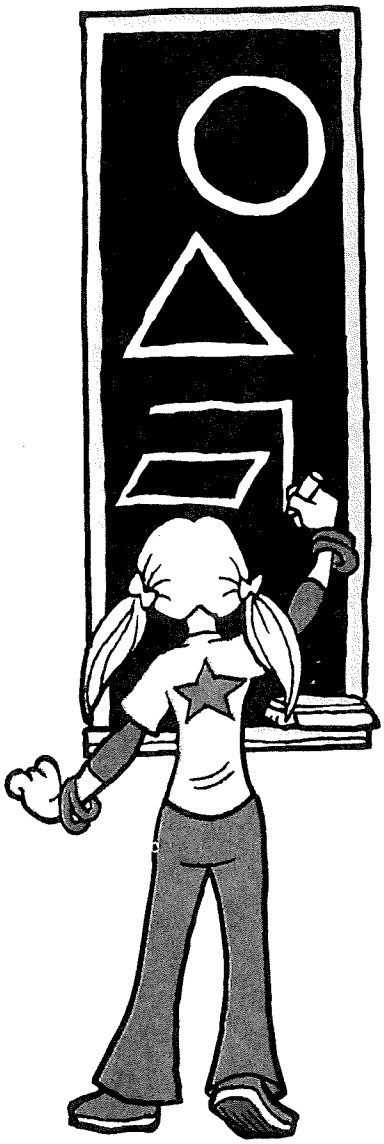
1. *absolute*
2. *equation*
3. *minimum*
4. *skew*
5. *theorem*
6. *congruent*
7. *equilateral*
8. *obtuse*
9. *sphere*
10. *trapezoid*
11. *denominator*
12. *inequality*
13. *protractor*
14. *symmetrical*
15. *variable*
16. *diagonal*
17. *isosceles*
18. *oblique*
19. *tangent*
20. *vertical*

Spelling word practice

In the space provided write each of your 20 spelling words 5 times, focus on writing legibly and spelling correctly.

DID YOU KNOW?

When you have been absolved, you have been set free from something. If you have been set free from all ties, you are acting wholly on your own and are absolutely free. You have **absolute** power over yourself. The word *absolutely* comes from the Latin prefix *ab*, meaning "from," and *solvere*, meaning "to set free."



Spelling Practice

Word Analysis

Write **list words** to answer the following questions.

Which **list words** contain **equa** or **equi**?

1. _____ **3.** _____

2. _____

Which **list words** end with the adjectival ending **al**?

4. _____ **6.** _____

5. _____ **7.** _____

Which **list words** contain five syllables?

8. _____ **10.** _____

9. _____

Word Application

Write a **list word** to complete each sentence.

1. Our teacher called for _____ silence during the test.

2. The patient must keep excitement down to a _____ during her recovery.

3. We will have to draw these triangles again if we _____ the results.

4. This angle measures more than 90° so it must be _____.

5. We'd have to measure our basketball to determine whether it's a perfect _____.

6. The weight of this object is _____ depending on how much water it holds.

7. An _____ triangle has two equal sides.

8. This _____ figure has a tilted axis.

9. The line is _____ to the circle, but it does not cut across its surface.

10. The two squares are the same size and have _____ sides.

11. Jeremy developed a _____ in math class and then attempted to prove it.

LIST WORDS

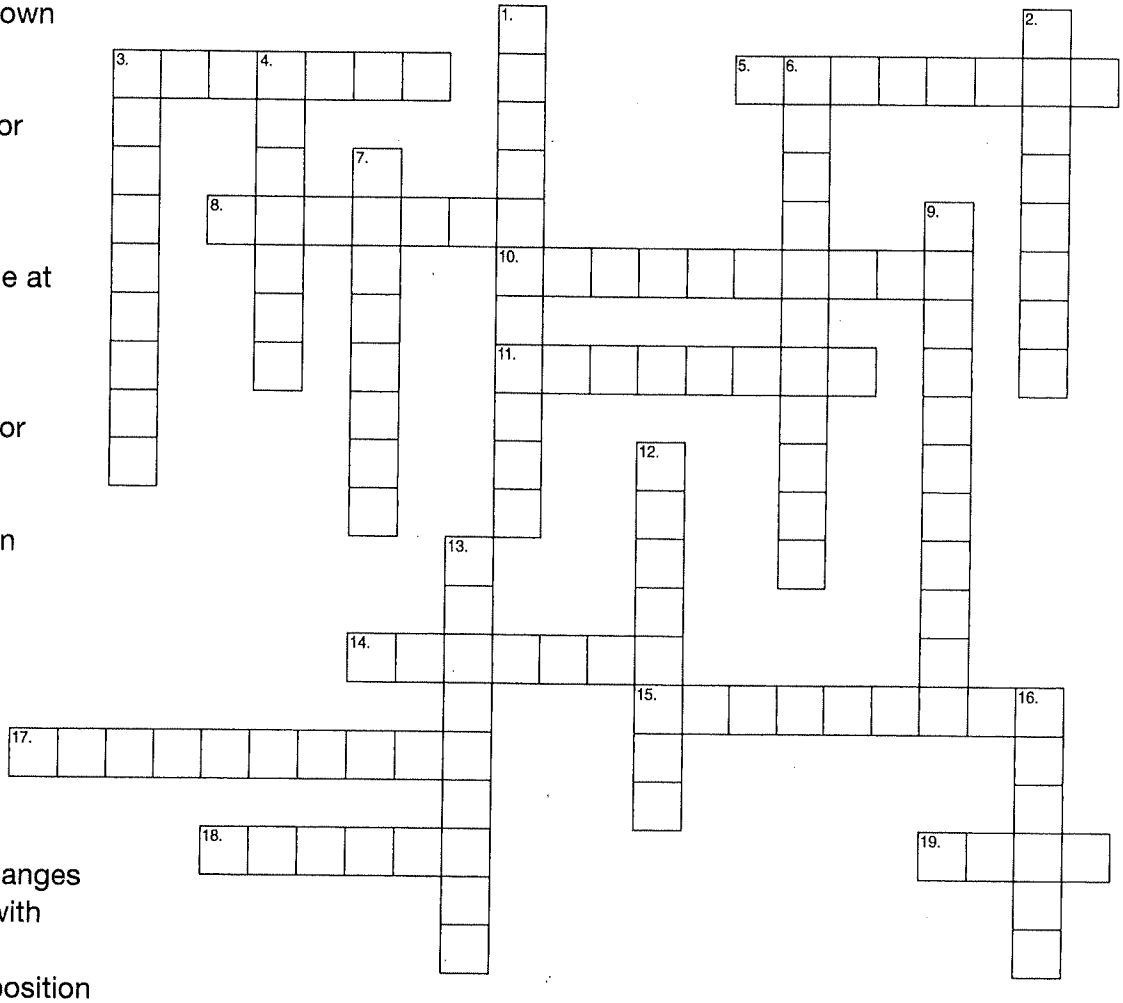
vertical	congruent	denominator	diagonal
sphere	equilateral	inequality	isosceles
obtuse	minimum	protractor	theorem
skew	equation	symmetrical	tangent
oblique	trapezoid	variable	absolute

Puzzle

Use the **list words** to complete the crossword puzzle.

ACROSS

3. a law or principle
5. straight up and down
8. smallest amount allowed
10. not equal in size or amount
11. whole; perfect; complete
14. line touching circle at only one point
15. triangle with two equal sides
17. instrument used for drawing and measuring
18. angle of more than 90°
19. to twist or slant



DOWN

1. number below the line in a fraction
2. something that changes
3. four-sided figure with two parallel sides
4. having a slanted position
6. triangle with equal sides
7. slanting from one corner to the opposite corner
9. having symmetry or balance
12. statement showing two quantities are equal
13. corresponding; in agreement or harmony
16. a round object

Proofreading

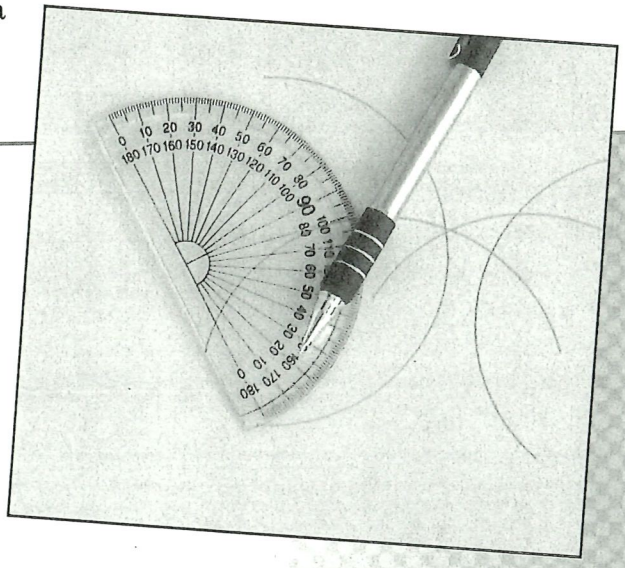
Use the proofreading marks to correct the mistakes in the paragraph below. Then, write the misspelled **list words** correctly on the lines.

The field of mathematics includes many topics, each fascinating in its own way. Geometry, for example, is concerned with the properties and relationships of figures in space Plane geometry deals with the study of circles, squares, and other figures that lie on a plane, such as a a trapizoid, or an isoceles or equalateral triangle. Students use a protracter to measure these shapes ona sheet of paper. Solid geometry deals with figures that have three dimensions, such as a spheere or a cube.

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

Proofreading Marks

- spelling mistake
- delete word
- add period
- add space



Writing an Ad

Compose a radio advertisement for a summer school program. Make each course sound like fun so students will be eager to sign up. Use as many of the **list words** as you can, and try to close your ad with a punchy slogan or rhyming jingle. After proofreading and revising your ad, tape-record it and play it for your class. *optional

BONUS WORDS

broadcast **audible** **commentator** **publicity** **tabloid**
newscast **gazette** **chronicle** **televise** **cue**

Write **bonus words** to answer the questions.

Which words apply mainly to radio or television?

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

Which words apply mainly to print?

6. _____
7. _____

Which words could apply equally to either?

8. _____
9. _____
10. _____

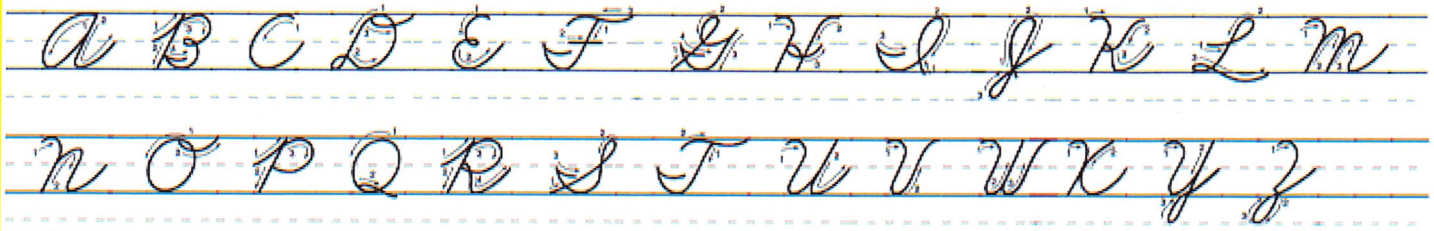
Paragraph writing using spelling words

Use the space below to complete the paragraph writing prompt found in your spelling assignments. Carefully read and follow the directions provided, including proper sentence and paragraph structure.

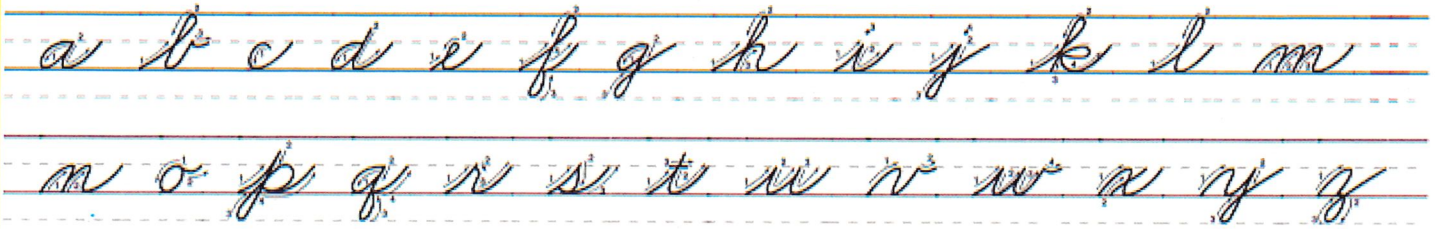
Cursive practice with spelling words.

Write each of your spelling words 3 times, in your best cursive handwriting.

Uppercase Letters



Lowercase Letters



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

Multiplying by 3 (Z)

Name: _____ Date: _____ Score: ____ /100

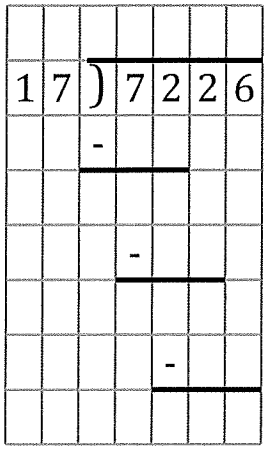
Calculate each product.

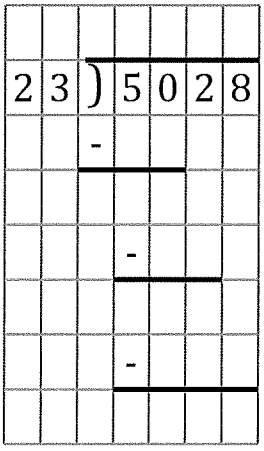
4 × 3	5 × 3	3 × 3	6 × 3	8 × 3	11 × 3	7 × 3	1 × 3	2 × 3	10 × 3
9 × 3	12 × 3	3 × 7	3 × 5	3 × 6	3 × 10	3 × 4	3 × 2	3 × 1	3 × 8
3 × 3	3 × 9	3 × 12	3 × 11	3 × 4	3 × 9	3 × 8	10 × 3	7 × 3	3 × 2
3 × 3	6 × 3	3 × 5	12 × 3	3 × 11	3 × 1	7 × 3	3 × 3	3 × 1	3 × 5
9 × 3	3 × 8	3 × 10	2 × 3	6 × 3	3 × 4	11 × 3	12 × 3	4 × 3	10 × 3
3 × 3	3 × 12	3 × 6	1 × 3	11 × 3	2 × 3	8 × 3	3 × 5	7 × 3	9 × 3
3 × 6	4 × 3	3 × 12	3 × 3	3 × 9	3 × 5	2 × 3	3 × 8	3 × 1	11 × 3
7 × 3	3 × 10	3 × 3	1 × 3	3 × 10	3 × 5	11 × 3	3 × 7	6 × 3	4 × 3
8 × 3	2 × 3	12 × 3	3 × 9	3 × 9	3 × 3	3 × 10	3 × 12	1 × 3	2 × 3
8 × 3	3 × 7	4 × 3	3 × 11	6 × 3	3 × 5	3 × 11	9 × 3	12 × 3	5 × 3

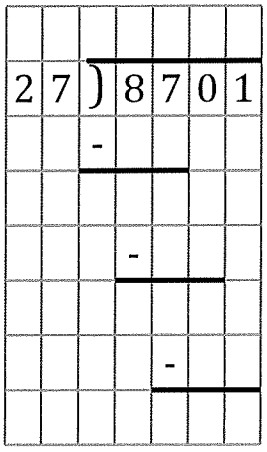
Long Division with a Grid (E)

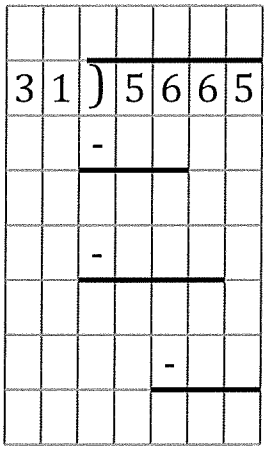
Name: _____ Date: _____

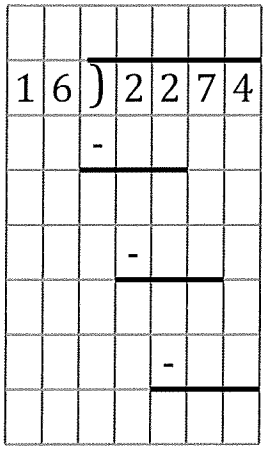
Calculate each quotient.

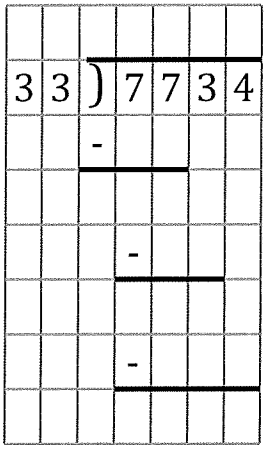


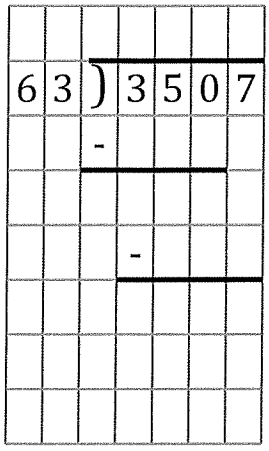


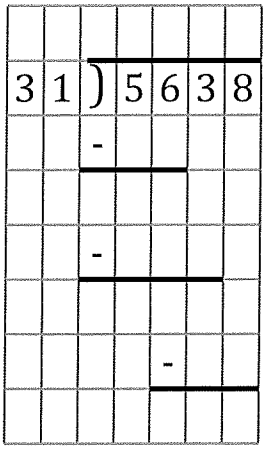


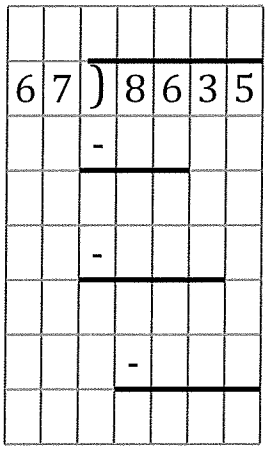


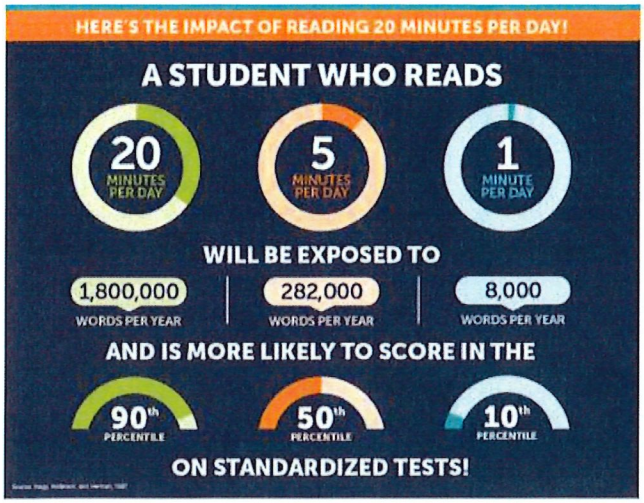












Part of the homework is reading 40 minutes a day. Weekend reading is encouraged and students can get credit for reading on Friday, Saturday and or Sunday. Reading each day is very important to help you become a better reader. Complete the log below each day you read.

Days I read:	What I read including book's title(s), chapter(s), or page number(s)	Amount of time I read: (Minutes)	Write a complete sentence explaining what you enjoyed, learned or read about.
Weekend			_____ _____
Monday			_____ _____
Tuesday			_____ _____
Wednesday			_____ _____
Thursday			_____ _____
Total amount of time I read.		_____ Minutes	