

Dear Parents,

This school year has come to an end, and summer has arrived! We don't want our students to forget all the wonderful things they've learned this year, so we're sending home a beneficial assignment so that students don't get rusty before seventh grade. Your child's summer scholar packet includes options of three different books, standards, and questions to complete while reading one of the three book options.

All your child will need is a copy of one of three books: *The Witch of Blackbird Pond*, *The Time Machine*, or *Number the Stars*. On the following page, a PDF link is listed for each of the books, or if you prefer, a physical copy can be checked out from a local library. Some audiobooks may be found online, as well. Students will also need a notebook paper and pencil to complete the assignment. We also encourage you to read with your child, ask questions about what he or she is reading, and offer support throughout the assignment.

Have your child complete the reading and math assignments in a notebook or folder. It is okay for you to help your help with their assignments. If you notice that your child is struggling with the book he or she is reading, try reading one of the other books. Likewise, if you feel like your child is not being challenged with the novel he or she reading, try reading a more challenging book from the list.

Best wishes for a beautiful summer!

Choose ONE novel from the following list, read it, and answer the following questions on notebook paper:

Novels

1. **The Witch of Blackbird Pond** A free PDF version may be found here:
<http://daal.deltaschools.com/content/witch-of-blackbird-pond.pdf>
2. **The Time Machine** A free PDF version may be found here:
http://www.planetpdf.com/planetpdf/pdfs/free_ebooks/The_Time_Machine_NT.pdf
3. **Number the Stars** A free PDF version may be found here:
https://cherrycreekacademy.org/UserFiles/Servers/Server_574211/File/number-the-stars-lois-lowry.pdf

Questions

1. Write a brief, 2-3 sentence summary of each chapter as you read the novel. **6.RL.KID.2**
2. As you read, keep a list of words you don't understand. Look up the definitions, and use the words in a sentence (at least 10) **6.L.VAU.6**
3. List all of the main characters in the novel, and describe each one in 4-5 sentences Try to vary your sentence types (simple, compound, and complex), and watch your spelling, punctuation, grammar, and capitalization. **6.RL.KID.3 6.L.CSE.1D 6.L.CSE.2**
4. Tell about your favorite character in the novel, describing the character in detail, and defending your choice. Try to vary your sentence types (simple, compound, and complex). Your description should be at least 6-8 sentences and may be more than one paragraph. Also, watch your spelling, punctuation, grammar, and capitalization. **6.RL.KID.3 6.L.CSE.1D 6.L.CSE.2**
5. Tell about your LEAST favorite character in the novel, describing the character in detail, and defending your choice. Try to vary your sentence types (simple, compound, and complex). Your description should be at least 6-8 sentences and may be more than one paragraph. Also, watch your spelling, punctuation, grammar, and capitalization. **6.RL.KID.3 6.L.CSE.1D 6.L.CSE.2**
6. Draw a plot diagram of the novel. The parts should include the exposition (beginning/introduction), rising action, climax, falling action, and resolution. **6.RL.KID.3**
7. Using your plot diagram as a guide, write a summary of the novel. It should be no less than 8 sentences, sentence type should be varied, and may contain more than one paragraph. However, it should not be longer than one page, and it should contain no new information or your opinion. Also, watch your spelling, punctuation, grammar, and capitalization. **6.RL.KID.2 6.RL.KID.3 6.L.CSE.1D 6.L.CSE.2**
8. Do you think the title of the book fits the book? Why or why not? Defend your answer in at least 4-5 solid sentences. Try to vary your sentence types (simple, compound, and complex), and watch your spelling, punctuation, grammar, and capitalization. **6.L.CSE.1 6.L.CSE.1D 6.L.CSE.2**
9. What kinds of changes did the main character go through in the story? Explain in detail. **6.RL.KID.3 6.L.CSE.1**

10. Write the next chapter of the book...what do you think will happen next? Write at least a page, and vary your sentence structure. Also, watch your spelling, punctuation, grammar, and capitalization.
6.W.TTP.3

Standards:

6.L.CSE.1 Demonstrate command of the conventions of standard English grammar and usage.
D. When writing or speaking, use simple, compound, and complex sentences.

6.L.CSE.2 Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling.

6.L.KL.3 When writing and speaking, vary sentence patterns for meaning, reader/listener interest, and style; maintain consistency in style and tone.

6.L.VAU.6 Acquire and accurately use grade-appropriate general academic and domain specific words and phrases; develop vocabulary knowledge when considering a word or phrase important to comprehension or expression.

6.RL.KID.1 Analyze what a text says explicitly and draw logical inferences; cite textual evidence to support conclusions.

6.RL.KID.2 Determine a theme or central idea of a text and analyze its development over the course of the text; provide an objective summary.

6.RL.KID.3 Describe how the plot of a story or drama unfolds, as well as how the characters respond or change as the plot moves toward a resolution.

6.RL.RRTC.10 Read and comprehend a variety of literature throughout the grades 6-8 text complexity band proficiently, with a gradual release of scaffolding at the high end as needed.

6.W.TTP.3 Write narratives (fiction and nonfiction) to develop real or imagined experiences or events using effective techniques, relevant descriptive details, and well-structured event sequences.

a. Engage and orient the reader by establishing a context and point of view and introducing a speaker/narrator and/or participants/characters.

b. Organize an event sequence that unfolds naturally and logically.

c. Create a smooth progression of experiences or events.

d. Use narrative techniques, such as dialogue, pacing, and description when appropriate, to develop experiences, events, and/or characters.

e. Use a variety of transition words, phrases, and clauses to convey sequence, signal shifts, and show the relationships among experiences and events.

f. Craft an effective and relevant conclusion that reflects on the narrated experiences or events.

g. Use precise words and phrases, relevant descriptive details, and sensory language to convey experiences and events.

June
3 — 7

MONDAY Find the Factors

Break down the numbers to their smallest factors.
For instance, 12 is made up of $3 \times 2 \times 2$.

1. 10
2. 21
3. 22
4. 24
5. 25
6. 27
7. 30
8. 33
9. 36
10. 40

TUESDAY Ratios and Fractions

Put on the board — The ratio of 1 to $\frac{1}{5}$ is 5:1.

1. The ratio of 1 to $\frac{1}{3}$ is?
2. The ratio of 2 to $\frac{1}{3}$ is?
3. The ratio of 5 to $\frac{1}{4}$ is?
4. The ratio of 6 to $\frac{1}{2}$ is?
5. The ratio of 10 to $\frac{1}{3}$ is?
6. The ratio of 20 to $\frac{1}{2}$ is?
7. The ratio of 30 to $\frac{1}{3}$ is?
8. The ratio of 50 to $\frac{1}{2}$ is?
9. The ratio of 100 to $\frac{1}{4}$ is?
10. The ratio of 1,000 to $\frac{1}{2}$ is?

WEDNESDAY Algebra

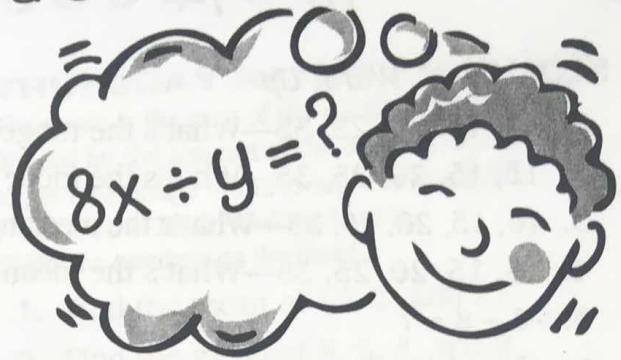
Put on the board: $x = 5$ $y = 8$

1. $3x + 10y = ?$
2. $x^3 - 3y = ?$
3. $3x - 2y = ?$
4. $8x \div y = ?$
5. $5y \div x = ?$
6. $5x \times y = ?$
7. $x \div y = ?$
8. $x^3 - 10y = ?$
9. $10x \times 5y = ?$
10. $2x - 6.5 = ?$

$$x = 4$$

$$y = 10$$

Questions



THURSDAY Integers

Write True or False.

1. -3 plus (-8) = 11
2. +4 minus (-14) = 28
3. -60 divided by (-6) = 10
4. -15 times (+3) = 45
5. +15 times (-3) = 45
6. -10 squared = 100
7. 100 divided by (-25) = -4
8. -2 times (-3) times (-4) = 24
9. -180 divided by (-6) = 30
10. +200 plus (-200) = 400

FRIDAY Patterns

What's the next number?

1. 10, 20, 40, 80, 160, ____?
2. 6, 12, 24, 48, ____?
3. $\frac{1}{3}$, 1, $1\frac{1}{3}$, 2, ____?
4. .3, .6, .9, ____?
5. 3, 7, 10, 13, 17, 20, ____?
6. 707; 7,007; 70,007; 700,007; ____?
7. 100,000; 50,000; 25,000; ____?
8. 123, 234, 345, 456, ____?
9. 4, 15, 26, 37, 48, ____?
10. 0, 1, 1, 2, 3, 5, 8, 13, ____?

Fibonacci Numbers

$0 + 1 = 1$; $1 + 1 = 2$; $1 + 2 = 3$; $2 + 3 = 5$;
 $3 + 5 = 8$; $5 + 8 = 13$; $8 + 13 = 21$

June
10 - 14

Questions

MONDAY Warm Up

1. 15, 15, 20, 25, 35—What's the range?
2. 15, 15, 20, 25, 35—What's the mode?
3. 15, 15, 20, 25, 35—What's the median?
4. 15, 15, 20, 25, 35—What's the mean?
5. $-6 + 8 = ?$
6. $-10 - 14 = ?$
7. $6 + (-7) = ?$
8. $-12 - (-15) = ?$
9. $25 - (-30) = ?$
10. $-100 + 45 = ?$

TUESDAY Halves & Ratios

1. $4 \frac{1}{2}$ hours work at \$50 per hour = ?
2. $3 \frac{1}{2}$ yards of cloth at \$5 per yard = ?
3. $5 \frac{1}{2}$ gallons = ? quarts.
4. $6 \frac{1}{2}$ tons = ? pounds.
5. $8 \frac{1}{2}$ meters = ? centimeters.
6. The ratio of a mile to a foot is ...
7. The ratio of a gallon to a pint is ...
8. The ratio of \$50 to a dime is ...
9. The ratio of the 100% to 2% is ...
10. The ratio of the alphabet to one letter?

WEDNESDAY Algebra

Put on the board: $x = 5$ $y = 6$

Solve the equations:

1. $2x + y = ?$
2. $x - y = ?$
3. $8x - 5y = ?$
4. $20x - 50 - 5y = ?$
5. $x^2 - 4y = ?$
6. $6x \div y = ?$
7. $7x - y^2 = ?$
8. $20x - 64 - y^2 = ?$
9. $x + x^2 = ?$
10. $xy = ?$

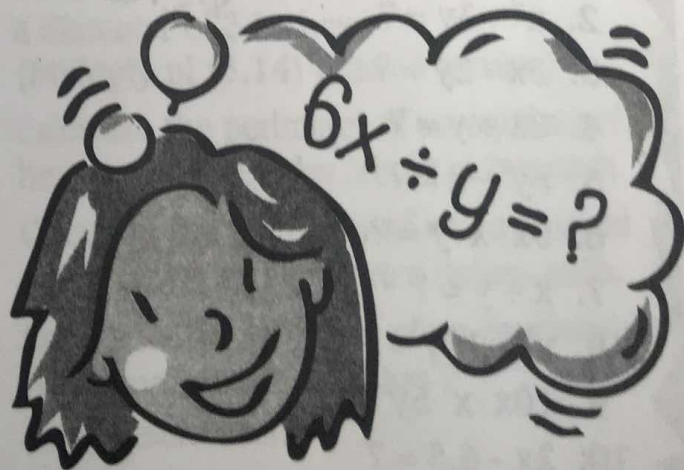
THURSDAY True or False?

1. $\frac{7}{10}$ is larger than $\frac{3}{4}$.
2. A hexagon has 2 more sides than an octagon.
3. 6 decades = 600 years
4. 6 hours = 300 minutes
5. $2.5 + 3.8$ is larger than 6.
6. A cylinder is the shape of an oval.
7. A parallelogram has opposite parallel sides.
8. Both a square and a rectangle have 4 sides.
9. A pentagon has 4 more sides than a triangle.
10. A trillion is written with 5 commas.

FRIDAY Patterns

What's the next number?

1. 10, 20, 40, 80, 160, ____?
2. 3, 9, 27, 81, ____?
3. 4, 9, 16, 25, 36, 49, ____?
4. 5, 25, 125, ____?
5. 4, 7, 14, 17, 24, 27, ____?
6. 7; 77; 777; 7,777; ____?
7. 1,000,001; 100,001; 10,001; ____?
8. 123, 234, 345, 456, ____?
9. 13, 26, 52, 104, ____?
10. 45; 450; 4,500; 45,000; 450,000; ____?



June
17-21

Questions

MONDAY Warm Up

(Write the numbers on the board.)

1. 33, 37, 42, 50—What's the range?
2. 12, 14, 13, 14, 10—What's the mode?
3. 10, 12, 15, 18, 20—What's the median?
4. 120, 115, 110, 105—What's the range?
5. 3.2, 3.4, 3.5, 3.8—What's the mode?
6. 44, 45, 47, 50, 55—What's the median?
7. 2, 4, 5, 4, 2—What's the mode?
8. If $x = 5$, what must y be to equal 15?
9. If $x = 12$, what must y be to equal 15?
10. If $x = 9\frac{1}{2}$, what must y be to equal 15?

TUESDAY Fractions of...

1. $\frac{1}{3}$ of a leap year = ? days.
2. $\frac{1}{4}$ of a century = ? years.
3. $\frac{1}{5}$ of a millennium = ? years.
4. $\frac{1}{6}$ of a leap year = ? months
5. $\frac{1}{3}$ of a minute = ? seconds.
6. $\frac{9}{10}$ of an hour = ? minutes.
7. $\frac{3}{4}$ of a liter = ? milliliters.
8. $\frac{3}{4}$ of a day = ? hours.
9. $\frac{1}{10}$ of a yardstick = ? inches.
10. $\frac{1}{10}$ of a ton = ? pounds.

WEDNESDAY More Algebra

To solve the equation $x - y = 10$ (put the equation on the board):

1. If $x = 20$, what must y be?
2. If $x = 15$, what must y be?
3. If $x = 30$, what must y be?
4. If $x = 50$, what must y be?
5. If $x = 10$, what must y be?
6. If $x = 100$, what must y be?
7. If $x = 300$, what must y be?
8. If $x = 500$, what must y be?
9. If $x = 10\frac{1}{2}$, what must y be?
10. If $x = 37\frac{1}{2}$, what must y be?

THURSDAY Introduction to the Mean

The mean is the sum of the numbers in the group divided by the amount of the numbers in the group to get an average of the group. For example, $7 + 8 + 10 = 36$ divided by $3 = 12$.
(Write the numbers on the board.)

1. Find the mean of 10, 2, and 21.
2. Find the mean of 5, 6, 8, and 9.
3. Find the mean of 20, 30, and 70.
4. Find the mean of 200, 300, and 1,000.
5. Find the mean of 3, 5, 8, 10, and 14.
6. Find the mean of 12, 14, 16, and 18.
7. Find the mean of 3, 5, 6, and 10.
8. Find the mean of 20, 30, and 100.
9. Find the mean of 4,000, 7,000, and 10,000.
10. Find the mean of 1, 2, 3, 4, 5, 6, and 7.

FRIDAY Ratio

A ratio is a comparison of two numbers. It's similar to how many times a number is greater than another number. For example, a dollar is 100 times larger than a penny. It is expressed this way —100: 1 (on the board). Use this way to show the ratios of the following problems.

1. The ratio of a foot to an inch is?
2. The ratio of a yard to a foot is?
3. The ratio of a minute to a second is?
4. The ratio of a week to a day is?
5. The ratio of a year to a day is?
6. The ratio of a gallon to a quart is?
7. The ratio of a dollar to a nickel is?
8. The ratio of a ton to a pound is?
9. The ratio of the alphabet to one letter is?
10. The ratio of Roman numeral C to numeral L is?

June
24-28

Questions

MONDAY *Warm Up*

- $(10 \times 25) + (8 \times 25) = ?$
- 26, 24, 27, 22 —What's the range?
- \$.50, \$.75, \$.60 —What's the range?
- 8, 6, 7, 5, 8 —What's the mode?
- \$25, \$30, \$27, \$19 —What's the mode?
- 45, 44, 44, 46, 45 —What's the mode?
- $-5 + 135 = ?$
- $-5 \times (-30) = ?$
- $16 - (-14) \div 2 = ?$
- $-7 + 3 + (-10) = ?$

TUESDAY *Introduction to Median*

The middle number of an ordered series of numbers is called the median. If you had the numbers 3, 4, 6, 10, 11, the number 6 would be the median. What's the median for the following groups of numbers?
(Write the numbers on the board.)

- 2, 4, 6, 7, 9
- 15, 25, 35, 45, 55
- 34, 36, 38, 40, 42
- 200, 300, 400
- 200, 300, 400, 500, 600
- \$5, \$7, \$11, \$13, \$25
- $\frac{1}{4}, \frac{1}{3}, \frac{1}{2}, \frac{2}{3}, \frac{3}{4}$
- $\frac{1}{5}, \frac{2}{5}, \frac{3}{5}, \frac{4}{5}, \frac{5}{5}$
- 23%, 27%, 33%
- 6.5, 7.6, 8.7, 9.8, 10.9

WEDNESDAY *Square Roots*

- What is the square root of 1?
- What is the square root of 9?
- What is the square root of 25?
- What is the square root of 49?
- What is the square root of 81?
- What is the square root of 121?
- What is the square root of 400?
- What is the square root of 1,600?
- What is the square root of 3,600?
- What is the square root of 8,100?

THURSDAY *Degrees*

- If a compass has 360 degrees, how many degrees between north & south?
- If a compass has 360 degrees, how many degrees between north & east?
- If a compass has 360 degrees, how many degrees between north & west?
- What are the degrees of a square angle?
- What are the degrees of each angle of an equilateral triangle?
- If a triangle has a right angle, how many degrees do the other 2 angles together?
- If a triangle has an obtuse angle of 120 degrees, what is the sum of the other two angles?
- If a triangle has an acute angle of 30 degrees, what will be the sum of the other 2 angles?
- If an isosceles triangle has two 70 degree angles at its base, what are the degrees of the other angle?
- If a parallelogram has two 60 degree opposite angles, what are the degrees of each of the other 2 angles?

FRIDAY *Elementary Algebra*

Algebra is a branch of mathematics in which quantities (numbers) are expressed as letters. Problems are solved in the form of equations using various possible numbers. For example, $x + y = 10$. One solution would be $3 + 7 = 10$. However, another solution could be $4 + 6 = 10$. Let's start with $x + y = 10$ (put on the board). Using the equation $x + y = 10$:

- If $x = 2$, what must y be?
- If $x = 3$, what must y be?
- If $x = 4$, what must y be?
- If $x = 9$, what must y be?
- If $x = 10$, what must y be?
- If $x = 7 \frac{1}{2}$, what must y be?
- If $x = 9 \frac{1}{2}$, what must y be?
- If $x = 2.5$, what must y be?
- If $x = 9.9$, what must y be?
- If $x = 0$, what must y be?

July
1-5

Questions

MONDAY *Integers*

Integers are more than regular numbers. They include both positive and negative numbers. With integers, you can add and subtract positive and negative numbers. However, if you subtract a negative number, it becomes a positive number: 2 negatives make a positive. Put these on the board:

$$2 - (-2) = 4 \text{ and } -5 + 3 = -2$$

1. $-7 + 3 = ?$
2. $-6 - 8 = ?$
3. $9 + (-11) = ?$
4. $-9 + (-11) = ?$
5. $-4 + (-20) = ?$
6. $5 - (-12) = ?$
7. $8 - (+12) = ?$
8. $-12 + 20 = ?$
9. $23 - (-40) = ?$
10. $18 - (+30) = ?$

TUESDAY *Introduction to Mode*

The mode of a group of numbers is the number that occurs most often. There may be more than one mode or none depending on the numbers.

What's the mode(s) in each group of numbers? (Write the numbers on the board.)

1. 7, 8, 4, 5, 5, 2
2. 34, 35, 37, 35, 32
3. 12, 13, 15, 13, 11
4. 54, 56, 57, 55, 54
5. 76, 80, 78, 77, 78
6. 99, 101, 102, 101
7. 345, 346, 342, 345
8. 689, 679, 687, 671
9. $7\frac{1}{2}$, $7\frac{1}{3}$, $7\frac{1}{4}$, $7\frac{1}{2}$
10. 3.8, 3.9, 3.9, 3.7, 3.8

WEDNESDAY *Review Relationships*

1. 65 millimeters = ? centimeters
2. 18 inches = what fraction of a foot
3. 60 hours = ? days
4. 500 pounds = what fraction of a ton
5. 7 quarts = what fraction of 2 gallons
6. 125 centimeters = what % of a meter
7. 5 days is what fraction of a week?
8. 150% of a meter = ? centimeters
9. 25% of a foot = ? inches
10. 50% of \$50 = ? dollars

THURSDAY *Which Is More?*

1. $\frac{3}{4}$ of a dozen or 10?
2. 33 or $2\frac{1}{2}$ dozen?
3. 9×9 or 4×21 ?
4. 6×9 or 72?
5. \$125 or 6 \$20 bills?
6. 3 pounds or 2 kilograms?
7. 2 quarts or 2 liters?
8. 4 weeks or the month of May?
9. 3 minutes or 200 seconds?
10. 48 hours or 3 days?

FRIDAY *Remembering Our Roots*

1. What is the square root of 25?
2. What is the square root of 49?
3. What is the square root of 36?
4. What is the square root of 16?
5. What is the square root of 81?
6. What is the square root of 64?
7. What is the square root of 9?
8. What is the square root of 100?
9. What is the square root of 121?
10. What is the square root of 144?

July
8-12

Questions

MONDAY Warm Up

1. What's the average of 3, 7, and 20?
2. What's the average of 14, 16, 30?
3. $(\frac{1}{2} \text{ of } 200) + (\frac{1}{2} \text{ of } 8) = ?$
4. $\frac{1}{2} \text{ of } \frac{1}{2} = ?$
5. $\frac{1}{2} \times 24 = ?$
6. The square root of 49 is?
7. The square root of 100 is?
8. The square root of 400 is?
9. $10^4 = ?$
10. $100^2 = ?$

TUESDAY Introduction to Range

The range of a group of numbers is the difference between the largest and smallest numbers in the group. Give the range for the following numbers. (Write the numbers on the board.)

1. 7, 8, 9, 10,
2. 12, 15, 18, 20
3. 6, 9, 5, 7
4. 33, 22, 55, 44
5. 40, 45, 35, 30
6. $\frac{5}{10}$, $\frac{3}{10}$, $\frac{2}{10}$, $\frac{7}{10}$
7. 33%, 35%, 40%, 42%
8. 23.8, 24.1, 24.5, 24.8
9. 11.2, 12.0, 12.4, 11.8
10. 123, 132, 126, 129

WEDNESDAY Division of Fractions

Divide the whole number first. Then divide the numerator of the fraction.

1. $\frac{3}{2}$ divided by 3 = ?
2. $\frac{3}{4}$ divided by 3 = ?
3. $\frac{6}{10}$ divided by 3 = ?
4. $\frac{2}{3}$ divided by 2 = ?
5. $2\frac{2}{5}$ divided by 2 = ?
6. $3\frac{3}{4}$ divided by 3 = ?
7. $5\frac{5}{10}$ divided by 5 = ?
8. $9\frac{9}{10}$ divided by 9 = ?
9. $\frac{6}{8}$ divided by 2 = ?
10. $12\frac{3}{4}$ divided by 3 = ?

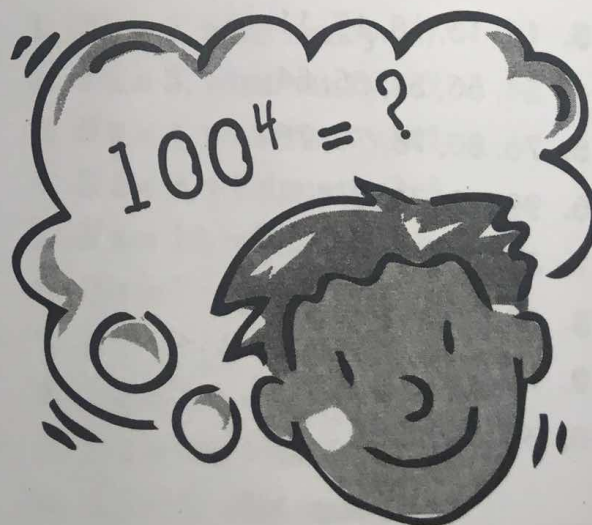
THURSDAY Fractions and Percents

Write True or False.

1. 75% is the equivalent of $\frac{3}{4}$.
2. .20 is the equivalent of $\frac{2}{10}$.
3. $\frac{4}{5}$ is the equivalent of .80.
4. .7 is the equivalent of 70%.
5. $\frac{1}{5}$ is the equivalent of 20%.
6. $\frac{2}{3}$ is the equivalent of 60%.
7. $\frac{1}{6}$ is the equivalent of $16\frac{2}{3}\%$.
8. $\frac{1}{3}$ is the equivalent of $33\frac{1}{3}\%$.
9. 40% is the equivalent of $\frac{2}{5}$.
10. $14\frac{2}{7}\%$ is the equivalent of $\frac{1}{7}$.

FRIDAY Geometry Guess—Who Am I?

1. I am an equilateral rectangle.
2. I am half a diameter.
3. I am 90° and L-shaped.
4. I am 360° and perfectly round.
5. I am an angle wider than 90° .
6. I am an angle less than 90° .
7. I am a closed figure with 10 sides.
8. I am a closed figure with 8 sides.
9. I am the 3-dimensional version of a square. I have 6 faces.
10. I am the 3-dimensional version of a circle.



July
15-19

Questions

MONDAY Warm Up

1. Give the basic factors of 27.
2. What is the product of 200 and 300?
3. The difference between 800 & 720 is?
4. The square root of 64?
5. $3,000 \div 20 \div 8 = ?$
6. $5^3 = ?$
7. $10 \times 20 \times 5 = ?$
8. Write $7/3$ as a mixed number.
9. $3 \frac{1}{2} + 5 \frac{4}{10} = ?$
10. 50% of \$2,000 = ?

TUESDAY Averages

What's the average of:

1. ... 35, 15, and 10?
2. ... 21, 19, and 35?
3. ... 5, 7, and 12?
4. ... 50, 30, and 40?
5. ... 200, 600, and 100?
6. ... 10, 20, 30, and 40?
7. ... 5, 15, 25, and 35?
8. ... 20, 20, 35, and 5?
9. ... 300, 400, 100, and 200?
10. ... 150, 50, 120, and 80?

WEDNESDAY Subtracting Fractions

1. $2 \frac{1}{2} - 1 \frac{1}{4} = ?$
2. $1 \frac{7}{10} - 3/10 = ?$
3. $6 \frac{2}{3} - 4 \frac{2}{3} = ?$
4. $10 - 8 \frac{1}{2} = ?$
5. $4 - 3 \frac{3}{4} = ?$
6. $5 - 2/3 = ?$
7. $9 \frac{3}{5} - 7 = ?$
8. $3 \frac{1}{2} - 5/10 = ?$
9. $1 - 1/2 - 1/4 = ?$
10. $20 \frac{2}{3} - 10 \frac{1}{3} = ?$

THURSDAY Super Squares

1. $10^2 - 9 = ?$
2. $5^2 - 4^2 = ?$
3. $10^2 - 8^2 = ?$
4. $4^2 - 2^2 = ?$
5. $3^2 - 2^3 = ?$
6. $10^3 - 10^2 = ?$
7. $10^2 \times 10^3 = ?$
8. $6^2 = ?$ dozen
9. $8^2 - 2^2 = ?$
10. $1/4$ of $10^2 = ?$

FRIDAY Geometry Formulas

1. If the diameter of a circle is 6 inches, how long is its radius?
2. What's the perimeter of an equilateral pentagon whose sides are 2 ft.?
3. What's the perimeter of an equilateral hexagon whose sides are 5 inches?
4. What's the area of a rectangle whose sides are 5 feet by 3 feet?
5. What's the perimeter of a rectangle whose sides are 7 meters by 10 meters?
6. What's the area of a rectangle whose sides are 7 meters by 10 meters?
7. What is the circumference of a circle whose diameter is 5 inches times pi (3.14)?
8. What is the area of a circle with a radius of 2 cm?
(Hint: pi times the radius squared)
9. The perimeter of an equilateral pentagon with 5 inch sides = ?
10. The perimeter of an equilateral decagon with 8 cm. sides = ?

July
22-26

Questions

MONDAY Warm Up

1. What are the two factors of 35 ?
2. What is the product of 20 and 30 ?
3. The square root of 36 = ?
4. $\frac{3}{10}$ of 100 = ?
5. $9^2 = ?$
6. $2,000 + 600 + 4 = ?$
7. $2 \times 5 \times 30 = ?$
8. Write $3\frac{2}{3}$ as an improper fraction.
9. $\frac{1}{2} - \frac{4}{10} = ?$
10. 50% of \$20 = ?

TUESDAY Averages

To find an average, add the numbers given & divide their sum by the amount of numbers. For example, $10 + 2 + 8 = 30$. Then divide 30 by 3. The average is 10.

1. What's the average of 15, 10, & 20 ?
2. What's the average of 20, 25, & 15 ?
3. What's the average of 7, 8 & 12 ?
4. What's the average of 30, 50 & 19 ?
5. What's the average of 25, 40, & 10 ?
6. What's the average of 22, 33, & 5 ?
7. What's the average of 10, 45, & 5 ?
8. What's the average of 24, 36, & 15 ?
9. What's the average of 19, 21, & 5 ?
10. What's the average of 8, 52, & 30 ?

WEDNESDAY Adding Fractions

1. $\frac{3}{4} + \frac{3}{4} = ?$
2. $\frac{2}{5} + \frac{3}{5} = ?$
3. $2\frac{3}{4} + 2\frac{3}{4} = ?$
4. $3\frac{1}{2} + 5\frac{1}{4} = ?$
5. $4\frac{1}{4} + \frac{3}{4} = ?$
6. $10\frac{2}{5} + 11\frac{3}{5} = ?$
7. $25\frac{3}{5} + 25\frac{2}{5} = ?$
8. $3\frac{1}{2} + \frac{5}{10} = ?$
9. $6\frac{4}{5} + 6\frac{2}{5} = ?$
10. $1\frac{1}{2} + 1\frac{1}{2} + 1\frac{1}{2} = ?$

THURSDAY Squares

1. $10^2 \times 9 = ?$
2. $3^2 + 4^2 = ?^2$
3. $10^2 - 0^2 = ?^2$
4. $2^2 + 4^2 = ?$
5. $3^2 + 2^3 = ?$
6. $10^3 + 10^2 = ?$
7. $10^3 - 10^2 = ?$
8. $5^2 - 1^2 = ?$ dozen
9. 4 dozen + 1 = $?^2$
10. $\frac{1}{2}$ of $10^2 = ?^2 + 1$.

FRIDAY Geometry

1. If the radius of a circle is 6 inches, how long is its diameter?
2. What's the perimeter of an equilateral triangle whose sides are each 5 inches?
3. What's the perimeter of an equilateral pentagon whose sides are 7 inches each?
4. How many square inches in a square whose sides are 6 inches each?
5. What's the square footage of a rectangular room whose dimensions are 10 ft. by 15 ft.?
6. The perimeter of a circle is pi (3.14) times its diameter (2 in.). Multiply to get its perimeter.
7. What is the perimeter of a circle with a diameter of 3 inches.
(Multiply pi (3.14) times 3 inches.)
8. Calculate the perimeter of an equilateral hexagon whose sides are 10 inches each.
9. Calculate the perimeter of an equilateral octagon whose sides are 6 inches each.
10. Calculate the perimeter of an equilateral heptagon whose sides are 7 centimeters each.