Summer Step Up

To 5th Grade Packet

Math

Place Value

Example: 471,836 = 400,000 + 70,000 + 1,000 + 800 + 30 + 6

Write the 6-digit numbers

1. _____ 700,000 + 40,000 + 2,000 + 500 + 60
2. _____ 900,000 + 10,000 + 1,000 + 200 + 40 + 4
3. _____ 200,000 + 80,000 + 8,000 + 900 + 30 + 8
4. _____ 900,000 + 40,000 + 3,000 + 900 + 20
5. _____ 500,000 + 10,000 + 3,000 + 100 + 70
6. _____ 600,000 + 9,000 + 600 + 30 + 4
7. _____ 600,000 + 30,000 + 5,000 + 300 + 60 + 3
8. _____ 300,000 + 50,000 + 7,000 + 800 + 60 + 5
9. _____ 700,000 + 90,000 + 4,000 + 400 + 50 + 1
10. _____ 300,000 + 30,000 + 6,000 + 500 + 20 + 4

Mental Math

Find the product.

1. $6 \times 327 =$ _____
2. $4 \times 383 =$ _____
3. $6 \times 216 =$ _____
4. $5 \times 270 =$ _____
5. $5 \times 691 =$ _____
6. $4 \times 694 =$ _____
7. $9 \times 678 =$ _____
8. $4 \times 829 =$ _____
9. $5 \times 772 =$ _____
10. $9 \times 104 =$ _____
11. $4 \times 566 =$ _____
12. $8 \times 139 =$ _____
13. $6 \times 256 =$ _____
14. $3 \times 131 =$ _____
15. $9 \times 362 =$ _____
16. $3 \times 337 =$ _____
17. $5 \times 541 =$ _____
18. $4 \times 543 =$ _____
19. $2 \times 277 =$ _____
20. $4 \times 842 =$ _____

Long Division

Find the quotient with remainder.

1. $4\overline{)6,743}$

2. $2\overline{)7,685}$

3. $2\overline{)8,731}$

4. $7\overline{)8,360}$

5. $4\overline{)5,910}$

6. $5\overline{)4,817}$

7. $8\overline{)3,515}$

8. $7\overline{)5,134}$

9. $8\overline{)6,029}$

Order of Operations

Solve the following.

1) $(40 + 14) \div 6 =$ _____

2) $40 \times (14 - 6) =$ _____

3) $35 + 6 \times (30 - 23) =$ _____

4) $35 + 6 \times 30 - 23 =$ _____

5) $19 + 40 \div 5 - (8 + 5) =$ _____

6) $(19 + 2) \div (9 - 2) + 14 =$ _____

7) $24 \div 6 + 4 \times (3 + 6) =$ _____

8) $6 \times (21 - 12 - 7) + 24 \div 3 =$ _____

9) $(34 - 26) \times 3 - (20 - 8) \div 6 + 33 =$ _____

10) $6 \times 21 - 12 - 7 + 24 \div 3 - (33 + 12) =$ _____

Subtracting Mixed Numbers

Find the difference.

1. $3\frac{7}{11} - 2\frac{9}{11} =$ _____

2. $3\frac{5}{12} - 1\frac{7}{12} =$ _____

3. $4\frac{2}{4} - 2\frac{3}{4} =$ _____

4. $5\frac{4}{7} - 1\frac{5}{7} =$ _____

5. $6\frac{1}{3} - 1\frac{2}{3} =$ _____

6. $6\frac{2}{6} - 1\frac{4}{6} =$ _____

7. $7\frac{9}{16} - 1\frac{10}{16} =$ _____

8. $2\frac{2}{6} - 2\frac{1}{6} =$ _____

9. $2\frac{8}{12} - 1\frac{11}{12} =$ _____

10. $6\frac{2}{4} - 2\frac{3}{4} =$ _____

11. $7\frac{4}{9} - 1\frac{8}{9} =$ _____

12. $7\frac{1}{2} - 2\frac{1}{2} =$ _____

13. $7\frac{9}{11} - 2\frac{10}{11} =$ _____

14. $4\frac{5}{20} - 2\frac{16}{20} =$ _____

15. $2\frac{4}{5} - 2\frac{3}{5} =$ _____

16. $5\frac{1}{3} - 1\frac{2}{3} =$ _____

Word Problems with Decimals

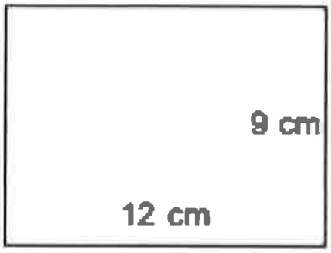
1. The tallest building in the city is 456.4 meters tall. The second tallest building in the city is 431.6 meters tall. How much taller is the tallest building?

2. The bus is 33.5 feet long. The city train is 45.9 feet longer than the bus. How long is the city train?

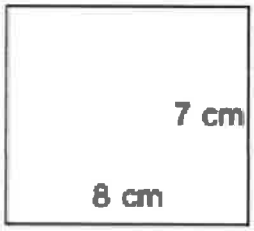
3. A bridge is 239.4 meters long. Because of a traffic jam, Ken's car stops after he drives 102.3 meters on the bridge. How much more does he need to drive to get off the bridge?

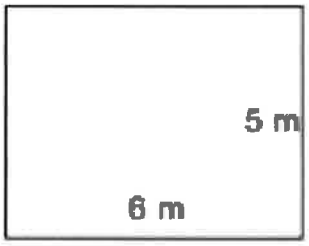
Perimeter and Area

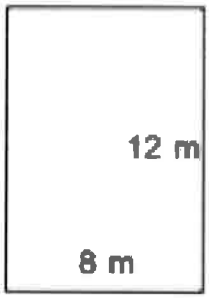
Find the perimeter and area of each rectangle.

1. 

2. 

3. 

4. 

5. 

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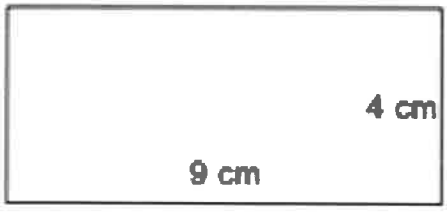
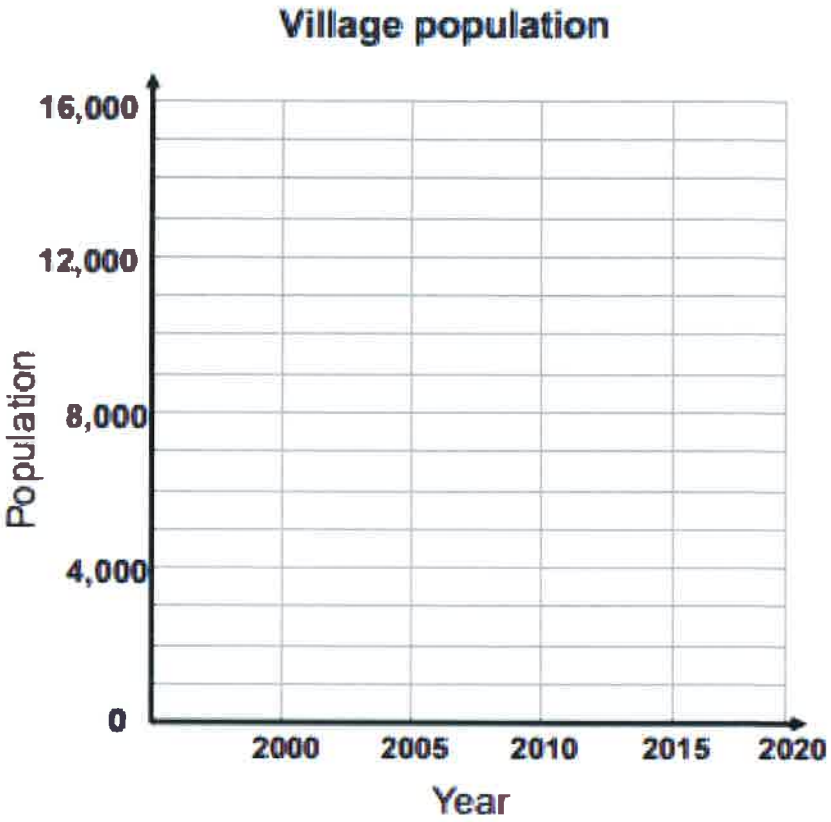
7. 

8. 

Graphing Data

The data shows the population of a village from year 2000 to 2020. Draw a line graph using the data.

Year	Population
2000	3,000
2005	7,000
2010	9,000
2015	8,000
2020	10,000



1. What was the village population in 2010? _____
2. What was the increase in population from 2000 to 2010? _____
3. In which year did the population have a decrease of 1,000? _____
4. In which years did the population have an increase of 4,000? _____
5. What was the change in population from 2000 to 2020? _____

Estimating Angles

Choose the best estimate of the size of the angles shown.

1.

a. 45°
b. 90°
c. 5°
d. 135°

2.

a. 180°
b. 90°
c. 120°
d. 170°

3.

a. 15°
b. 75°
c. 105°
d. 90°

4.

a. 25°
b. 70°
c. 165°
d. 135°

5.

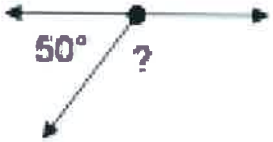
a. 105°
b. 90°
c. 150°
d. 45°

6.

a. 180°
b. 110°
c. 90°
d. 140°

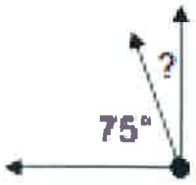
7.

a. 75°
b. 110°
c. 130°
d. 85°



8.

a. 5°
b. 10°
c. 15°
d. 25°

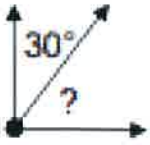


9.

a. 10°
b. 15°
c. 20°
d. 25°

10.

a. 65°
b. 70°
c. 60°
d. 50°



Reading

Drawing conclusions & making inferences

As you read the story, think about what you *already know* in addition to what the story says. Try to figure out what the story means by thinking about what *makes the most sense*.

The Greedy Man

There once was a very greedy man who sold everything he owned and bought a brick of gold. He buried the gold brick behind a hut that was across the road from his shabby old house. Every day, the greedy man went across the road and dug up his gold brick to look at it.

After a while, a workman noticed the greedy man going across the road every day, and decided to follow him. The next day, the greedy man dug down for his gold brick, but the hole was empty. He pulled at his hair, and cried out in sorrow. "My beautiful gold brick!" he wept.

A neighbor came running, and asked the greedy man what had happened. When the greedy man told him, the neighbor just shrugged his shoulders. "Why be so sad?" said the neighbor. Just go get a rock and put it in that hole, and pretend that it is gold. It will do you as much good as the gold did."

Use what you *already know* and what the *story says* to **make inferences**:

1. Why did the greedy man bury his gold brick?
   A. He didn't have a house.
   B. He thought it would grow into a tree of gold.
   C. He was afraid someone would steal it.

2. Why did the greedy man go and dig up his gold brick every day?
   A. Looking at it made him sad.
   B. Looking at it made him happy.
   C. He wanted to sell it.

3. Why did the workman follow the very greedy man?
   A. He didn't like the greedy man.
   B. He knew the greedy man had a gold brick.
   C. He was curious.

4. Why did the greedy man find that the hole was empty, and his gold brick was gone?
   A. The workman had stolen it.
   B. The greedy man had sold it.
   C. The greedy man's neighbor had stolen it.

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Think about *what makes the most sense*, to **draw a conclusion**:

> The neighbor told the greedy man that he might as well bury a rock in the hole and pretend that it was gold.

5. This is probably because:
   A. The neighbor wanted the gold brick for himself.
   B. The neighbor wanted to be the greedy man's friend.
   C. The gold brick had not done the greedy man any real good.

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6. Draw another conclusion: What lesson is this story meant to teach?

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2023 Recommended Summer Reading

Title	Author
Barbed Wire Baseball	Moss, Marissa
Before the Ever After	Woodson, Jacqueline
Belly Up	Gibbs, Stuart
Book Scavenger	Bertman, Jennifer Chambliss
Can You Survive Storm Chasing: An Interactive Survival Adventure	Raum, Elizabeth
Dragonet Prophecy, The (Wings of Fire, #1)	Sutherland, Tui
Firegirl	Abbott, Tony
Flora and Ulysses, the Illuminated Adventure	DiCamillo, Kate
Flush	Hiaasen, Carl
Ghosts	Telgemeier, Raina
Hello, Universe	Entrada Kelly, Erin
Last Shot: A Final Four Mystery	Feinstein, John
Leon's Story	Tillage, Leon Walter
Martina & Chrissie: The Greatest Rivalry in the History of Sports	Bildner, Phil
Me, Frida, and the Secret of the Peacock Song	Cervantes, Angela
Merci Suarez Changes Gears	Medina, Meg
Orphan of Ellis Island, The	Woodruff, Elvira
Pax	Pennypacker, Sara
Rules	Lord, Cynthia
Save Me a Seat	Weeks, Sarah
War That Saved My Life, The	Bradley, Kimberly Brubaker
When You Reach Me	Stead, Rebecca
Where the Mountains Meets the Moon	Lin, Grace
Who Were the Navajo Code Talkers?	Buckley, James
Wild Robot	Brown, Peter