

Name _____

1. Kristian purchased four textbooks which cost \$34.99 each, and a backpack that cost \$19.98. Estimate the total cost of the items he purchased. (You do not need to consider tax.)

 - A \$90.00
 - B \$160.00
 - C \$120.00
 - D \$55.00
2. During the last three games of the season, the attendance at the Tigers' home games was 14,667; 16,992; and 18,124. Estimate the total attendance for these three games. Round to the nearest thousand.

 - A 60,000
 - B 45,000
 - C 50,000
 - D 47,000
3. Steven keeps his baseball cards in an album. He has filled 147 pages of the album. He can fit 9 cards on each page. Which of the following statements is true?

 - A Steven has more than 2,000 baseball cards.
 - B Steven has between 1,000 and 1,500 baseball cards.
 - C Steven has between 1,500 and 2,000 baseball cards.
 - D Steven has less than 1,000 baseball cards.
4. Jam jars can be packed in large boxes of 60 or small boxes of 25. There are 700 jam jars to be shipped. The supplier wants to use the least number of boxes possible, but the boxes cannot be only partially filled. How many large boxes will the supplier end up using?

 - A 10 large boxes
 - B 11 large boxes
 - C 12 large boxes
 - D It is not possible to ship all 700 jars.
5. Allison needs 400 feet of rope to put a border around her yard. She can buy the rope in lengths of 36 feet. How many 36 foot long ropes will she need to buy?

 - A 9 ropes
 - B 10 ropes
 - C 11 ropes
 - D 12 ropes.



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6. Katie and her friend went to the county fair. They each brought a \$20.00 bill. The admission fee was \$4.00 per person. Ride tickets cost 50 cents each. If each ride required two tickets per person, how many rides was each girl able to go on?
- A 16 rides
 - B 32 rides
 - C 8 rides
 - D 20 rides
7. The population of the Bahamas is 276,208. The population of Barbados is 263,584. Which of the following statements is true of the total population of these two places?
- A It is less than 500,000.
 - B It is between 500,000 and 550,000.
 - C It is between 550,000 and 600,000.
 - D It is more than 600,000.
8. Corey hopes to have 500 rocks in his collection by his next birthday. So far he has two boxes with 75 rocks each, a box with 85 rocks, and two boxes with 65 rocks each. How many more rocks does Corey need to gather to meet his goal?
- A 145 rocks
 - B 135 rocks
 - C 275 rocks
 - D 235 rocks
9. Keith is helping his grandmother roll quarters to take to the bank. Each roll can hold 40 quarters. Keith's grandmother has told Keith that he can keep any leftover quarters, once the rolling is done. If there are 942 quarters to be rolled, how much money will Keith get to keep?
- A \$4.50
 - B \$5.50
 - C \$5.75
 - D \$3.00
10. Assuming you are working with whole numbers, which of the following is not possible?
- A Two numbers have a sum of 18 and a product of 72.
 - B Two numbers have a sum of 25 and a product of 100.
 - C Two numbers have a sum of 19 and a product of 96.
 - D Two numbers have a sum of 25 and a product of 144.



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1. Arrange the following numbers in ascending order.

62,894; 26,894; 26,849; 62,984

- A 62,984; 62,894; 26,894; 26,849
- B 26,894; 26,849; 62,984; 62,894
- C 26,849; 62,984; 62,894; 26,894
- D 26,849; 26,894; 62,894; 62,984

2. Which of the following statements is true?

- A $189,624 > 189,898$
- B $189,624 > 189,246$
- C $189,624 < 189,264$
- D $189,624 = 189,462$

3. Which number will make this statement true?

$198,888 > \underline{\hspace{2cm}}$

- A 198,898
- B 198,879
- C 198,889
- D 199,888

4. Which statement is NOT true?

- A $798 < 799$
- B $798 > 789$
- C $798 < 789$
- D $798 = 798$

5. Write the expanded form of this number.

954,351

- A $90,000 + 5,000 + 400 + 30 + 5 + 1$
- B $900,000 + 50,000 + 4,000 + 300 + 50 + 1$
- C $900,000 + 54,000 + 300 + 50 + 1$
- D $900,000 + 50,000 + 4,000 + 300 + 51$



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6. What is the standard form of this number?

$$30,000 + 200 + 50$$

- A 30,250
- B 32,500
- C 325,000
- D 3,250

7. Write the standard form of:

8 ten thousands, 4 thousands, 1 hundred, 6 ones

- A 84,160
- B 84,106
- C 8,416
- D 84,016

8. Write 1,975,206 in expanded form.

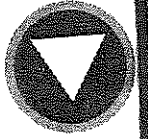
- A $1,000,000 + 9,000,000 + 7,000 + 500 + 20 + 6$
- B $1,000,000 + 9,000,000 + 70,000 + 5,000 + 200 + 60$
- C $100,000 + 900,000 + 70,000 + 5,000 + 200 + 6$
- D $1,000,000 + 900,000 + 70,000 + 5,000 + 200 + 6$

9. What is $300,000 + 40,000 + 20 + 5$ in standard form?

- A 34,025
- B 3,425
- C 340,025
- D 342,005

10. Write the standard form for 2 hundred thousands, 1 ten thousand, 4 hundreds, 1 ten, 9 ones.

- A 210,419
- B 201,419
- C 200,419
- D 21,419



1. Round 4,170,154 to the nearest hundred.

- A 4,200,000
- B 4,170,100
- C 4,170,000
- D 4,170,200

2. Round 4,170,154 to the nearest thousand.

- A 4,200,000
- B 180,000
- C 4,170,000
- D 4,179,200

3. Round 4,170,154 to the nearest ten thousand.

- A 4,200,000
- B 4,170,000
- C 4,179,000
- D 4,179,200

4. Round 4,170,154 to the nearest hundred thousand.

- A 4,200,000
- B 4,180,000
- C 4,179,000
- D 4,100,000

5. Round 4,170,154 to the nearest million.

- A 4,000,000
- B 4,180,000
- C 4,179,000
- D 5,000,000

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6. Round 424,819 to the nearest ten.

- A 400,820
- B 424,810
- C 424,020
- D 424,820

7. The soda factory bottles 2,451 grape and 3,092 orange sodas each day. About how many of the two types of soda are bottled each day? Round the numbers to the nearest hundred and add them.

- A 5,400 sodas
- B 5,000 sodas
- C 5,600 sodas
- D 5,500 sodas

8. The Campbells have 3,000 books in their personal library. If 1,479 of the books are fiction, and the rest are non-fiction, about how many are non-fiction? Round to the nearest hundred.

- A 2,500 books
- B 1,400 books
- C 1,500 books
- D 1,600 books

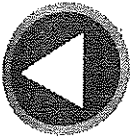
9. Solve; Give an estimate as the final answer.

$$\begin{array}{r} 7000 \\ -4258 \\ \hline \end{array}$$

- A 2,742
- B 3,000
- C 2,000
- D 6,858

10. The school has \$925 to spend on new books for the library. Each book costs \$9.95. Estimate how many books can be bought.

- A 70
- B 80
- C 90
- D 120



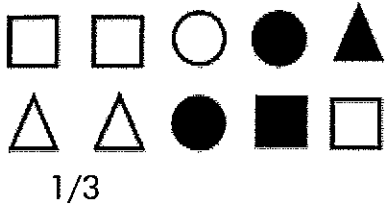
Name _____

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1. What fraction of these shapes are squares?

- A $1/4$
- B $4/6$
- C $4/10$
- D



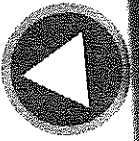
2. What fraction of these shapes are not circles?

- A $3/7$
- B $8/10$
- C $7/10$
- D $1/3$

3. What fraction of the squares are shaded?

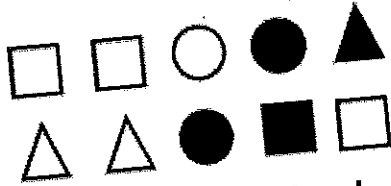


- A $1/4$
- B $1/10$
- C $1/3$
- D



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$\frac{3}{4}$



4. What fraction of the shaded shapes are circles?

- A $\frac{2}{10}$
- B $\frac{1}{3}$
- C $\frac{2}{2}$
- D $\frac{2}{4}$

5. Continue the pattern of equivalent fractions:
 $\frac{1}{2}, \frac{2}{4}, \frac{3}{6}, \frac{4}{8}...$
What fraction would come next in the pattern?

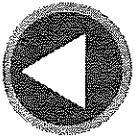
- A $\frac{1}{3}$
- B $\frac{1}{16}$
- C $\frac{5}{10}$
- D $\frac{3}{4}$

6. Which pair of addends have the fraction $\frac{11}{12}$ as a sum?

- A $\frac{9}{6} + \frac{2}{6}$
- B $\frac{7}{12} + \frac{4}{12}$
- C $\frac{9}{12} + \frac{1}{12}$
- D $\frac{11}{12} + \frac{1}{1}$

7. Which fraction is equivalent to this model?

- A $\frac{1}{5}$
- B $\frac{3}{7}$
- C $\frac{2}{7}$
- D



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5. Which symbol makes this statement true?

$$4/9 + 3/9 \text{ ___ } 6/9$$

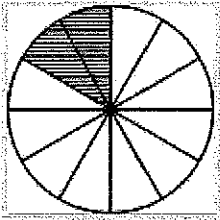
- A >
- B =
- C <

6. Which symbol makes this statement true?

$$75/100 - 32/100 \text{ ___ } 42/100$$

- A >
- B =
- C <

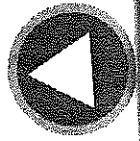
7. Which fraction below has a greater value than the fraction being shown?



- A 2/20
- B 2/15
- C 2/10
- D 2/100

8. The popsicle slowly melted in the hot sun. Which group of fractions could represent the amount of popsicle remaining after 2 minutes, 4 minutes, and 6 minutes had passed?

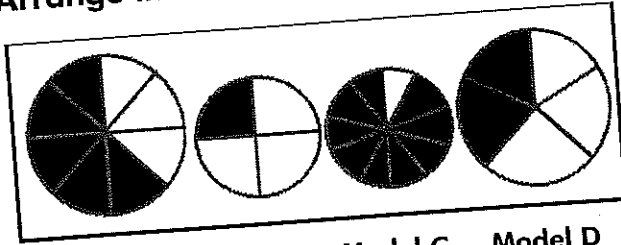
- A 1/3, 1/2, 3/4
- B 3/4, 1/2, 1/3
- C 1/3, 3/4, 1/2
- D



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$3/4, 1/3, 1/2$

9. Arrange these models in order from greatest to least:



Model A Model B Model C Model D

- A A, B, C, D
- B C, A, D, B
- C C, D, B, A
- D A, C, D, B

10. Compare the fractions using $<$, $=$, or $>$.
 $692/1000 + 231/1000$ ___ or $245/1000 + 726/1000$

- A $<$
- B $=$
- C $>$

11. These fractions are arranged from least to greatest. Which fraction could go in the blank?
 $9/25$, ____, $16/25$, $21/25$

- A $13/25$
- B $6/25$
- C $18/25$
- D $23/25$

12. Marty eats vegetables $6/7$ days out of the week. Dan eats them $3/7$ days out of the week. How many more days does Marty eat vegetables each week?

- A 2 days
- B 1 day
- C 3 days
- D

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- Angelo picked $2\frac{3}{4}$ pounds of apples from the apple orchard. He gave $1\frac{1}{4}$ pounds to his neighbor Mrs. Mason. How many pounds of apples does Angelo have left?
 - $1\frac{1}{2}$ pounds
 - $1\frac{3}{4}$ pounds
 - $2\frac{1}{4}$ pounds
 - $1\frac{3}{8}$ pounds
- Daniel and Colby are building a castle out of plastic building blocks. They will need $2\frac{1}{2}$ buckets of blocks for the castle. Daniel used to have two full buckets of blocks, but lost some, and now only has $1\frac{3}{4}$ buckets. Colby used to have two full buckets of blocks too, but now has $1\frac{1}{4}$ buckets. If Daniel and Colby combine their buckets of blocks, will they have enough to build their castle?
 - No, they will have less than $1\frac{1}{2}$ buckets.
 - No, they will have $1\frac{1}{2}$ buckets.
 - Yes, they will have $2\frac{1}{2}$ buckets.
 - Yes, they will have 3 buckets.
- Lexi and Ava are making chocolate chip cookies for a sleepover with their friends. They will need $4\frac{1}{4}$ cups of chocolate chips to make enough cookies for their friends. Lexi has $2\frac{3}{4}$ cups of chocolate chips. Ava has $1\frac{3}{4}$ cups of chocolate chips. Will the girls have enough chocolate chips to make the cookies for their friends?
 - They'll have less than 4 cups, but should just use the amount they have.
 - They'll have less than 4 cups, so no.
 - They'll have $4\frac{1}{4}$ cups, so yes.
 - They'll have $4\frac{2}{4}$ cups, so yes.
- $3\frac{2}{4} + 1\frac{1}{4} =$
 - $\frac{20}{4}$
 - $2\frac{3}{4}$
 - $4\frac{3}{4}$
 - $5\frac{3}{4}$
- $7\frac{9}{9} - 3\frac{5}{9} =$
 - $2\frac{7}{9}$
 - $3\frac{4}{9}$
 - $3\frac{3}{9}$
 - $4\frac{4}{9}$



- Marcie and Lisa wanted to share a cheese pizza together. Marcie ate $\frac{3}{6}$ of the pizza, and Lisa ate $\frac{2}{6}$ of the pizza. How much of the pizza did the girls eat together?

 - A $\frac{6}{6}$ of a pizza
 - B $\frac{5}{6}$ of a pizza
 - C $\frac{1}{2}$ of a pizza
 - D $\frac{4}{6}$ of a pizza

- Sophie and Angie need $8\frac{5}{8}$ feet of ribbon to package gift baskets. Sophie has $3\frac{1}{8}$ feet of ribbon and Angie has $5\frac{3}{8}$ feet of ribbon. Will the girls have enough ribbon to complete the gift baskets?

 - A Yes, and they will have extra ribbon.
 - B Yes, but they will not have extra ribbon.
 - C They will have just enough ribbon to make the baskets.
 - D No, they will not have enough ribbon to make the baskets.

- Travis has $4\frac{1}{8}$ pizzas left over from his soccer party. After giving some pizza to his friend, he has $2\frac{4}{8}$ of a pizza left. How much pizza did Travis give to his friend?

 - A $1\frac{1}{2}$ pizzas
 - B $1\frac{5}{8}$ pizzas
 - C $1\frac{3}{4}$ pizzas
 - D $1\frac{5}{7}$ pizzas



4. Which student solved the problem correctly?

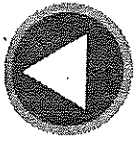


Student 1
 $3 + 2 = 5$ and $\frac{3}{4} + \frac{1}{4} = 1$ so
 $5 + 1 = 6$

Student 2
 $3\frac{3}{4} + 2 = 5\frac{3}{4}$ and
 $5\frac{3}{4} + \frac{1}{4} = 5\frac{4}{4} = 6$

Student 3
 $3\frac{3}{4} = 1\frac{5}{4}$ and $2\frac{1}{4} = \frac{9}{4}$ so
 $1\frac{5}{4} + \frac{9}{4} = \frac{24}{4} = 6$

- A Student 1
- B Student 2
- C Student 3
- D All of the students



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Date # 4 _____

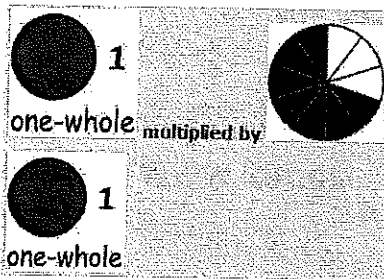
1. Solve $1/2 \times 6 =$

- A 2/6
- B 1/3
- C 3
- D 3/6

2. Solve $6 \times 1/4 =$

- A 2
- B $1 \frac{1}{2}$
- C 4/6
- D 3

3. What product do these models show?



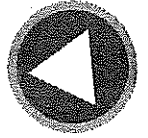
- A 4/10
- B 14/100
- C 7/10
- D $1 \frac{4}{10}$

4. Find the product:
 $45 \times 2/3$

- A 90
- B 86
- C 30
- D 129

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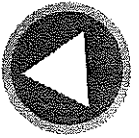
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5. When she took her children shopping, Mrs. Shontz noticed that all 4 of their feet had grown $\frac{1}{2}$ inch. What is the total number of inches the Shontz children's feet grew?

- A $\frac{1}{2}$ inch
- B inch
- C $1\frac{1}{2}$ inches
- D 2 inches



Name _____

1. What fraction of a dollar is 6 dimes and 3 pennies?

- A 0.63 or 63/100
- B 0.73 or 73/100
- C 0.53 or 53/100
- D 0.43 or 43/100

2. 1 tenth + 4 hundredths = _____ hundredths

- A 14
- B 140
- C 1400
- D 104

3. 4 hundredths + 1 tenth = _____ hundredths

- A 140
- B 14
- C 141
- D 41

4. 5 tenths + 2 hundredths = _____ hundredths

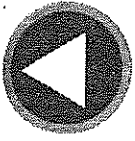
- A 25
- B 525
- C 52
- D 502

5. 5 hundredths + 2 tenths = _____ hundredths

- A 25
- B 52
- C 252
- D 502

6. 14 hundredths = _____ hundredths + 4 hundredths

- A 144
- B 414
- C 104
- D 10



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7. 14 hundredths = _____ tenths + 4 hundredths

- A 10
- B 100
- C 1
- D 0

8. 14 hundredths = 1 tenth + 3 hundredths + _____ hundredths

- A 10
- B 1
- C 0
- D 4

9. 80 hundredths = _____ tenths

- A 8
- B 80
- C 0
- D 1

10. $\frac{2}{10} + \frac{41}{100} =$

- A $\frac{43}{100}$
- B $\frac{43}{10}$
- C $\frac{61}{100}$
- D $\frac{61}{10}$



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- Arthur wants to arrive at soccer practice at 5:30 PM. He knows it takes him 42 minutes to walk to practice from his house. Estimate the time Arthur should leave his house to go to practice?
 - 5:00 PM
 - 4:45 PM
 - 4:30 PM
 - 3:45 PM
- A baseball game began at 7:05 PM and lasted for 2 hours and 38 minutes. At what time did the game end?
 - 9:43 PM
 - 10:33 PM
 - 9:38 PM
 - 9:33 PM
- 4 feet and 5 inches is the same as:
 - 48 inches
 - 53 inches
 - 41 inches
 - 65 inches
- Amir bought two cowboy hats for \$47, a pair of cowboy boots for \$150, and a leather belt for \$32. The tax was \$13.74. He gave the cashier \$300. How much change does she owe him?
 - \$242.74
 - \$13.74
 - \$57.26
 - \$257.26
- Harriet needed $\frac{1}{2}$ cup of milk for the white sauce, but she could only find her tablespoon to measure with. How many tablespoons of milk will she need?
 - 4 tablespoons
 - 6 tablespoons
 - 8 tablespoons
 - 10 tablespoons



6. Use a comparison symbol to complete the following statement:
32 ounces ___ 1 pound

- A <
 B =
 C >

7. Rachel's gymnastics lessons lasted for 1 year. Sharon's lessons lasted for 9 months. Yolanda's lessons lasted for 23 months. How much time did the girls spend on lessons altogether?

- A 4 years, 0 months
 B 3 years, 0 months
 C 3 years, 8 months
 D 4 years, 8 months

8. To make some of the best cookies, mix 1 cup of butter, 2 cups of sugar, $2\frac{1}{2}$ cups of flour, $2\frac{1}{2}$ teaspoons of vanilla extract, $\frac{1}{2}$ teaspoon of baking soda, and $\frac{3}{4}$ cups of chocolate chips. Which comparison symbols would complete the following statements?

amount of flour ___ amount of butter
amount of butter ___ amount of sugar

- A > ; =
 B < ; >
 C > ; <
 D < ; =

9. The bookstore is selling paperback books for \$3.25 each. How much would 4 paperback books cost?

- A \$12.00
 B \$13.00
 C \$13.50
 D \$12.50



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10. If Cindy bought 3 DVDs and 2 nacho kits, how much would she pay for all items before taxes? Use the table below to answer the question:

Item	Unit Price
CDs	\$10.99
DVDs	\$24.99
Cordless Phone	\$30.00
Flash Drives	\$9.99
Nacho Kits	\$6.99

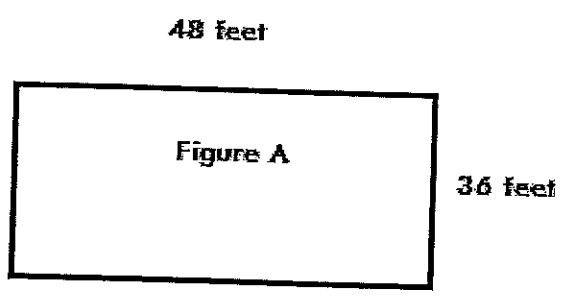
- A \$31.98
- B \$74.97
- C \$84.95
- D \$88.95



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1. A rectangular room measures 10 feet long and 13 feet wide. How could you find out the area of this room?
 - A Add 10 and 13, then double the results
 - B Multiply 10 by 13
 - C Add 10 and 13
 - D None of the above
2. A rectangle has a perimeter of 30 inches. Which of the following could be the dimensions of the rectangle?
 - A 10 inches long and 5 inches wide
 - B 6 inches long and 5 inches wide
 - C 10 inches long and 3 inches wide
 - D 15 inches long and 15 inches wide



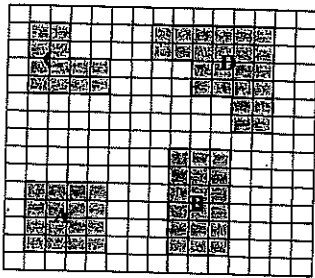
3. Which of these expressions could be used to find the perimeter of the above figure?
 - A $48 + 36 + 2$
 - B 48×36
 - C $2 \times (48 + 36)$
 - D $48 + 36$
4. A chalkboard is 72 inches long and 30 inches wide. What is its perimeter?
 - A 204 inches
 - B 2,160 inches
 - C 102 inches
 - D 2,100 inches




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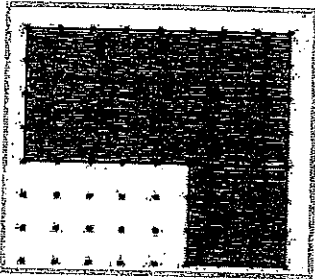
8. Find the area of Shape C.



 = 1 square unit

- A 8 square units
- B 12 square units
- C 14 square units
- D 16 square units

9. What is the perimeter of this shape?



- A 24 units
- B 28 units
- C 30 units
- D 34 units

10. A rectangle has an area of 48 square units and a perimeter of 32 units. What are its dimensions?

- A 6 units by 8 units
- B 12 units by 4 units
- C 16 units by 3 units
- D All of the above are possible.