

6 – NSN – PRE TEST (4 QUESTIONS). LEVEL:

FIRST NAME, LAST NAME:

CLASS:

1 Which of the following lists shows these numbers in order from least to greatest?

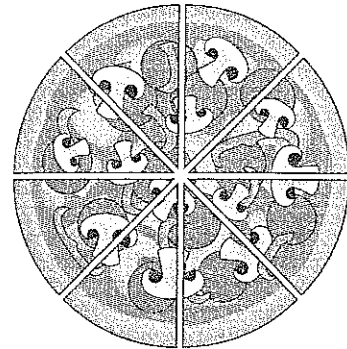
1.250, 12.50, 0.125, 125.0

- a 0.125, 12.50, 1.250, 125.0
- b 125.0, 12.50, 1.250, 0.125
- c 12.50, 125.0, 0.125, 1.250
- d 0.125, 1.250, 12.50, 125.0

Name: _____ Date: _____

Performance Task 1: Pizza Night (page 1)

Mrs. Chin and her two children, Li and Jin, order an 8-slice pizza every Friday night.



1. Two weeks ago, Li ate $\frac{1}{4}$ of the pizza, Jin ate $\frac{1}{2}$ of the pizza, and Mrs. Chin ate one slice of pizza. Is there any pizza left? How much of the pizza did the family eat? Show your work.

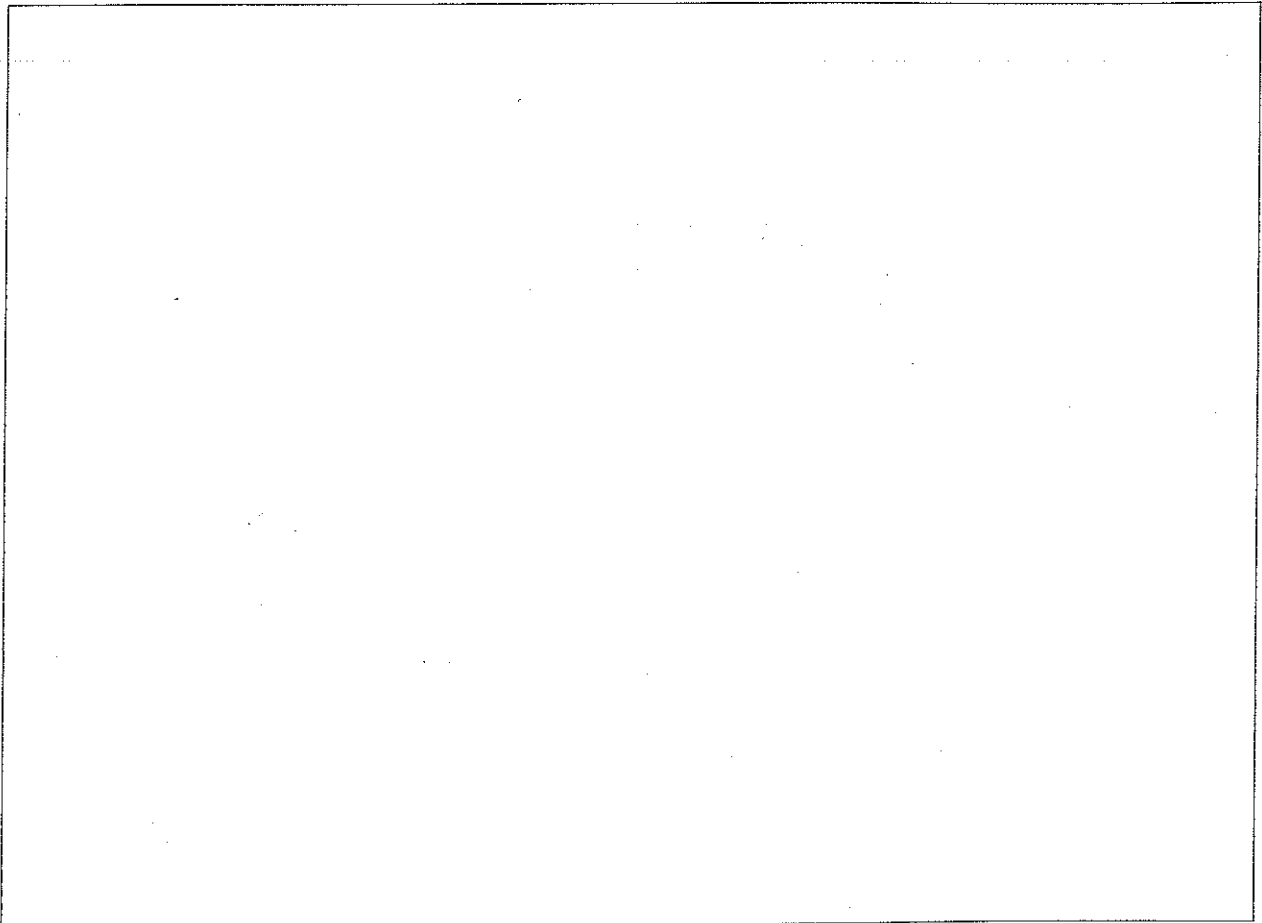
2. One week ago, Li ate $\frac{1}{4}$ of the pizza, and Jin ate $\frac{1}{3}$ of what was left. Mrs. Chin ate two slices of pizza. What fraction of the pizza was left over after all three had their pizza? Show your work.

Name: _____ Date: _____

Performance Task 1: Pizza Night (page 2)

3. Last week the Chin family went to a different pizza shop. At this pizza shop they make pizzas that are rectangular. The Chin family ordered a 12-slice rectangular pizza.
- Jin ate $\frac{1}{4}$ of the entire pizza.
 - Li ate $\frac{1}{3}$ of the entire pizza.
 - Mrs. Chin ate 1 slice.

What fraction of the entire pizza was left over? Show your work.



6 – NSN – BENCHMARK TEST #1 (5 QUESTIONS). LEVEL:

FIRST NAME, LAST NAME:	CLASS:
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13 What number is modelled in the place-value chart below?

Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
●●	●●●●		●●●●●●●●		●●	●●●●

- F 3529.035
- G 3529.35
- H 3511.035
- J 35 011.35

2 Joseph finishes a swim race in 73.365 seconds. Joseph knows the following about his friend's time for the same race.

- The digit in the hundredths column is 3 more than Joseph's.
- The digit in the ones column is 2 less than Joseph's.

In what time does Joseph's friend swim the race?

Justify your response:

- 7 The table below shows the changes in the amount of snow on the ground over 10 days. Ali estimates that the total change is an increase of 30 cm. Nadia estimates that the total change is an increase of 25 cm.

Day	Change
1	15 cm new snow
2	7.5 cm new snow
3	no change
4	4.5 cm melted
5	3.5 cm melted
6	4 cm melted
7	no change
8	12 cm new snow
9	2.5 cm new snow
10	8 cm new snow

Which student makes a more accurate estimate?

Circle one: Ali Nadia

Justify your response:

- 2 Chandra, Brittany, Ben and Daniel buy different sandwiches and salads for lunch. Their choices are shown below.

Prices for Lunch

	Salad	Sandwich
Chandra	\$4.48	\$3.99
Brittany	\$4.48	\$4.99
Ben	\$3.49	\$4.99
Daniel	\$3.49	\$3.99

Which person should receive about \$2.50 change from \$10.00?

Show your work:

- 32 A swim team completes the 4-person relay in 210.625 seconds. The times for the first three swimmers are shown below.

Swimmers' Times

Swimmer	Time (in seconds)
1	53.452
2	59.371
3	47.582
4	?

What is the time for swimmer 4?

Show your work:

6 – NSN – BENCHMARK TEST #2 (6 QUESTIONS). LEVEL:

FIRST NAME, LAST NAME:

CLASS:

1. Chris, Paul and Carla share the cost of renting a video game. Chris pays 0.4 of the cost. Paul pays 36% of the cost. Carla pays the remainder of the cost. What fraction of the cost does Carla pay?

Prove your answer:

2. Natasha is 12 years old. Her teacher is 36 years old. Which ratio represents Natasha's age in 4 years to her teacher's age in 4 years?

A) 1:3 B) 2:5 C) 3:10 D) 4:9

Justify your answer:

3. Which fraction is **not** equivalent to $\frac{7}{6}$? (1 mark)

a) $1\frac{2}{12}$

b) $\frac{42}{36}$

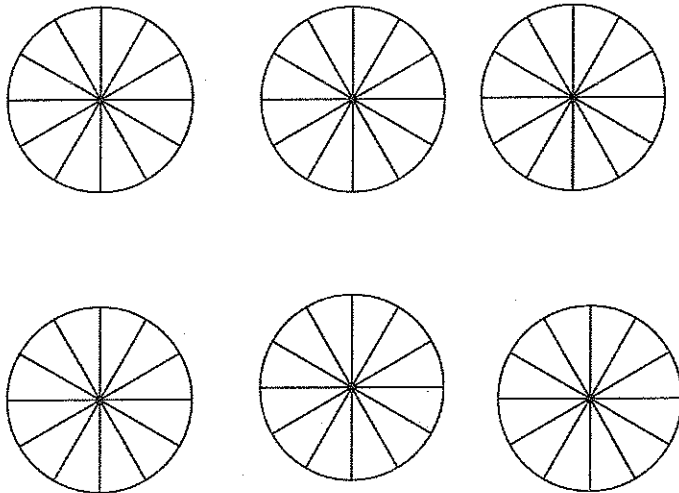
c) $\frac{20}{16}$

d) $\frac{63}{54}$

4. Mrs. Cozzi had a party for her class. She ordered seven 8 – slice pizzas. Only 41 slices were eaten. What fraction of pizza was left? Give your answer in two ways. (2 marks)

5. Mrs. Cozzi brought six small pies to a staff meeting for everyone to eat. She cut each pie into 12 equal slices.

Ms. Beale asked for five-thirds of a pie. Mr. Monahan wanted five-fourths of a pie. Mr. Uscatu asked for one and seven-twelfths of a pie.



a) Colour the pies above to show each person's request. (1 mark)

b) How many slices of pie are left for Mr. Short? (1 mark)

c) How many full pies (Mixed Number) are left for Mr. Short? (1 mark)

6. Consider the fractions shown below:

$$\frac{3}{4}, \frac{18}{25}, \frac{15}{20}, \frac{75}{100}$$

Which fractions represent equal values? (4 marks)

Justify your answer:

6 – NSN – BENCHMARK TEST #3 (4 QUESTIONS). LEVEL: _____

FIRST NAME, LAST NAME:	CLASS:
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27 Josie, Christina, Audrey and Manny go shopping. Josie spends $\frac{4}{5}$ of her money, Christina spends 75% of her money, Audrey spends 0.68 of her money and Manny spends $\frac{17}{20}$ of his money.

Who has the largest percentage of their money left?

Justify your answer.

8 Pie is served at a picnic. Each pie is made up of 6 equal pieces. Bradley records the number of pieces each person eats in the table below.

Name	Gurleen	Max	Ta-Shanya	Stewart	Brianne	Adrian
Number of Pieces Eaten	3	2	2	3	3	1

How many pies are eaten in total? Express your answer as a fraction.

Show your work.

They eat _____ pies.

Which of the following is equal in value to $\frac{8}{100}$?

$$\frac{16}{200}$$

$$\frac{16}{50}$$

$$\frac{4}{25}$$

$$\frac{4}{5}$$

Explain your answer:

Mr. Price's class collects a total of 1943 pennies over a period of 4 weeks.
Samantha brings 125 pennies each week.

What percent of the total number of pennies collected does Samantha bring?

Justify your response:

6 – NSN – POST TEST (13 QUESTIONS). LEVEL:

Mathematics – 2013 - Number Sense

4. There are 12 books in a case. There are 6 cases in a box and 24 boxes in a container. If each container of books costs \$2592, what is the cost of one book?

- a \$1.50
- b \$9.00
- c \$18.00
- d \$36.00

12. Which of the following fractions has the smallest value?

- a $\frac{4}{5}$
- b $\frac{4}{4}$
- c $\frac{4}{3}$
- d $\frac{4}{2}$

14. Wasim's hair grows 0.4 cm each week.

At this rate, which is closest to the increase in length of Wasim's hair over 3 months if it is not cut?

- a 1 cm
- b 5 cm
- c 8 cm
- d 12 cm

Write each fraction as a decimal and percent and equivalent fraction.

$$\frac{3}{4}$$

$$\frac{1}{5}$$

$$\frac{7}{10}$$

Write each fraction in simplest form.

$$\frac{30}{50}$$

$$\frac{28}{49}$$

Write each mixed number as an improper fraction.

$$1\frac{4}{9}$$

$$3\frac{6}{7}$$

Write each improper fraction as a mixed number.

$$\frac{17}{3}$$

$$\frac{29}{9}$$

Order the numbers in each set from least to greatest. Show your work.

$$1\frac{2}{5}, \frac{17}{10}, \frac{4}{5}$$

Is each fraction or decimal greater or less than 25%? Explain how you know.

$$0.17$$

$$\frac{3}{10}$$

Calculate:

25% of 60 _____

25% of 39 _____

75% of 62 _____

50% of 80 _____

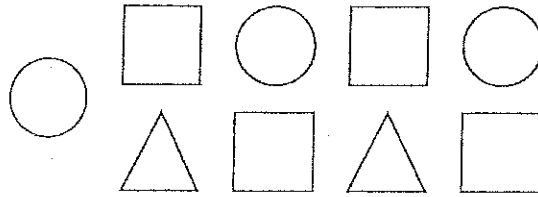
Write a ratio to show the number of:

circles to squares _____

triangles to circles _____

squares to triangles _____

circles to all figures _____



Saul got 19 out of 25 on a test. Cindy got 79% on the same test.

Which student got the higher mark? Explain.

Irem earned \$60 babysitting. She spent 40% of her money at the arcade. Does Irem have enough money left to buy a backpack for \$37.50 including tax? Explain.
