

NCTM Content Standards Assessment Rubric



Number and Operations

Student's Name: _____ Assignment: _____ Level: _____

	Level 1	Level 2	Level 3	Level 4
Understanding Numbers, Ways of Representing Numbers, Relationships Among Number Systems	<ul style="list-style-type: none"> • Demonstrates a limited understanding of numbers, ways of representing numbers and relationships among number systems 	<ul style="list-style-type: none"> • Demonstrates a basic understanding of numbers, ways of representing numbers and relationships among number systems 	<ul style="list-style-type: none"> • Demonstrates a good understanding of numbers, ways of representing numbers and relationships among number systems 	<ul style="list-style-type: none"> • Demonstrates a thorough understanding of numbers, ways of representing numbers and relationships among number systems
Understanding Meanings of Operations and How They Relate to One Another	<ul style="list-style-type: none"> • Demonstrates a limited understanding of the meanings of operations and how they relate to one another 	<ul style="list-style-type: none"> • Demonstrates a basic understanding of the meanings of operations and how they relate to one another 	<ul style="list-style-type: none"> • Demonstrates a good understanding of the meanings of operations and how they relate to one another 	<ul style="list-style-type: none"> • Demonstrates a thorough understanding of the meanings of operations and how they relate to one another
Computing and Making Estimates	<ul style="list-style-type: none"> • Demonstrates limited ability in computing and making estimates 	<ul style="list-style-type: none"> • Demonstrates some ability in computing and making estimates 	<ul style="list-style-type: none"> • Demonstrates satisfactory ability in computing and making estimates 	<ul style="list-style-type: none"> • Demonstrates strong ability in computing and making estimates

STRENGTHS:

WEAKNESSES:

NEXT STEPS:



Task Sheet 6

6a) Janis' dad works at the local hardware store. He asks her to give him a hand this weekend, as they are having a massive sale on all items in the store. Janis' first job is to calculate the sale price on the following items:



i) A baseball mitt. Regular price \$45.00. Marked at 20% off.

The sale price = _____



ii) A tricycle. Regular price \$30.00. Marked at 30% off.

The sale price = _____



iii) A football. Regular price \$36.80. Marked at 25% off.

The sale price = _____

b) The hardware store is having a special sale on golf balls. Janis is asked to post a big sign which reads, "The more you buy, the more you save." Below the sign is a chart that her dad prepared:

	Cost per ball
Buy 1	\$1.25
Buy 2-4	\$1.00
Buy 5-9	\$0.75
Buy 10-19	\$0.50
Buy 20+	

i) If the above rates stays the same, what would the price per ball be for customers purchasing 20 or more? (Complete the chart)

ii) What would the total cost be for a customer buying 15 golf balls?

Answer = _____

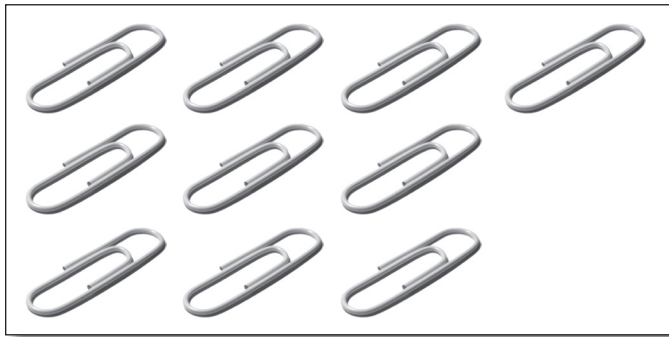
Show your Work





Review A

a) For the following picture, write as many multiplication and division sentences that you can.



Answer = _____

b) For each sentence below, write 7 more related sentences (use the same numbers).

i) $4 \times 7 = 28$

ii) $15 = \dots \times 5$

Answer i) = _____

Answer ii) = _____

c) There are 15 people in a room. 6 people are wearing socks, 4 people are wearing shoes, and 3 people are wearing both. How many people are in bare feet?



Show your Work

Answer: _____

d) The Revolution Period around the Sun for Earth takes 365 days. If it takes Venus only .62 of this time, approximately how many days is the Revolution Period for the planet Venus?

- i) 226 days ii) 246 days iii) 198 days iv) 302 days

Fractions, Rounding, Ordering, Greater Than/Less Than, Mean, Mode & Median



a) Determine the following mixed fraction.

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b) Round each of the following numbers to the nearest thousand.

i)		ii)		iii)	
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c) Place either $>$ or $<$ between the following pairs of fractions or decimals to indicate which is greater.

i)	—	□	—	ii)	—	□	—	iii)	—	□	—
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d) Place each of the following numbers in order of size - from greatest to least.

e) State the mean, mode and median for the following five numbers.

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Mean:

Mode:

Median:

SAMPLE