Grade 5: End of Year Problems

Name:_____

5.NBT.1,2,3

#1 Which answer below expresses the decimal 24.357 in words?

    A. Twenty- four and three fifty- seven

    B. Twenty- four and three hundred fifty -seven

    C. Twenty- four and three hundred fifty -seven tenths

    D. Twenty- four and three hundred fifty- seven thousandths

#2 Multiply 570 x 100

A. 5,700

B. 57,000

C. 570,000

D. 5,700,000

#3 What is one way to represent the value of the digit 3 in the number 573.64?

A. three tenths

B. thirty tenths

C. three hundreds

D. thirty ones

Uses the place value system to read, write, and
compare decimals to the thousandths
5.NBT.1,2,3
4 3 2 1 0

#4 Simplify: $48.617 \div 10^3 =$

A. 48,617

B. 4,861.7

C. 0.48617

D. 0.048617

#5   Round 3.519 to the *nearest whole number.*

A. 3
B. 3.5
C. 4
D. 4.519

5.NBT.5

#6   Find the product of 23 × 45.

A. 225
B. 815
C. 1025

D. 1035

#7   The Student Council sold t-shirts at the Track Event for $7.00 each. If they sold 150 t-shirts, how much money did the Student Council make?

A $105

B $850

C $1,050

D $105,000

Uses the place value system to read, write, and compare decimals to the thousandths
5.NBT.1,2,3
4 3 2 1 0

Multiplies whole numbers
5.NBT.5
4 3 2 1 0

5.NBT.6

#8 What is the value of the expression below?

$$1536 \div 24$$

      A. 57

      B. 64

      C. 65

      D. 68

5.NBT.7

#9 Find the sum of 54.18 and 6.5

  A. 54.83   B. 60.68   C. 50.68   D. 119.18

#10 Evaluate:

$$45.9 - 36.46$$

    A 9.56

    B 9.44

    C 3.213

    D 41.05

| Divides whole numbers (Up to a 4-digit number by a 2-digit number) **5.NBT.6** 4 3 2 1 0 | Adds decimals to the hundredths **5.NBT.7** 4 3 2 1 0 | Subtracts decimals to the hundredths **5.NBT.7** |

#11 Matthew bought 12 yards of fabric at $3.67 per yard. How much money did Matthew spend on fabric?

   A. $44.04   B. $43.04   C. $42.94   D. $11.01

#12   Isabella spent $45.99 on 7 books from her favorite author. If all 7 books cost the same amount, how much did each book cost?

A. $6.17

B. $6.42

C. $6.57

D. $6.71

5.MD.1

#13   A bottle is filled with 1 liter of lemonade. Which measurement is equivalent to 1 liter?

A. 0.001 milliliter

B. 0.01 milliliter

C. 1,000.0 milliliters

D. 10,000.0 milliliters

#14 Sarah's puppy weighs 5,087 grams. How much does the puppy weigh in kilograms?

   A. 5.087 kg   B. 508.7 kg   C. 50,870kg   D. 5,087,000 kg

Multiplies decimals to the hundredths	Divides decimals to the hundredths	Converts units within the metric system (meters to centimeters, for example)
5.NBT.7	**5.NBT.7**	**5.MD.1**
4 3 2 1 0	4 3 2 1 0	4 3 2 1 0

5.MD.2

#15 Jerry collected rainwater in six different locations on one day. The amount of rainwater collected in each location is shown on the line plot.
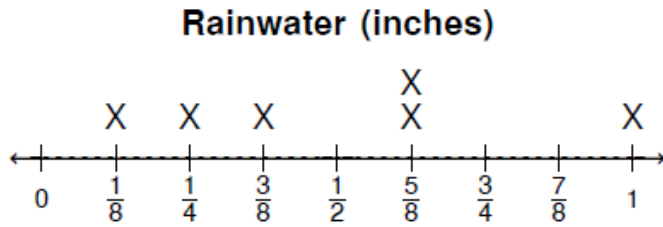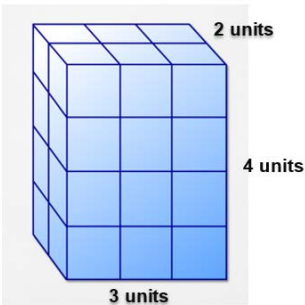
Rainwater (inches)

Find the total amount of rainwater collected from the six locations.

A. 1 inch

B. $1\frac{1}{2}$ inches

C. $2\frac{3}{8}$ inches

D. 3 inches

5.MD.3,4,5

#16 Find the volume of the figure below.

A. 9 cubic units

B. 12 cubic units

C. 24 cubic units

D. 27 cubic units

#17   The base of a right rectangular prism has an area of 171 square centimeters and a height of 9 centimeters. What is the **volume**, in cubic centimeters, of the right rectangular prism?

A.   19
B.   57
C.   1,539
D.   13,851

Constructs and interprets line plots
5.MD.2
4 3 2 1 0

Calculates the volume of 3-dimensional shapes using multiplication and addition
5.MD.3,4,5
4 3 2 1 0

5.NF.1,2

#18   Simplify: $\frac{2}{5} + \frac{1}{2} =$

    A. $\frac{3}{7}$ B. $\frac{1}{3}$ C. $\frac{3}{10}$ D. $\frac{9}{10}$

#19   What is the difference of $\frac{7}{8}$ and $\frac{1}{4}$?

    A. $\frac{5}{8}$ B. $\frac{6}{2}$ C. $\frac{6}{8}$ D. ½

#20   Kurt had a piece of wood that measured ¾ foot in length. Kurt needed the length of wood to be $\frac{1}{8}$ foot shorter. What was the length of wood Kurt needed?

A. $\frac{2}{12}$ ft

B. $\frac{5}{12}$ ft

C. $\frac{5}{8}$ ft

D. $\frac{7}{8}$ ft

Creates equivalent fractions and uses
them to add and subtract
5.NF.1,2
4 3 2 1 0

5.NF.4,5,6

#21 Find the product of $\frac{3}{5}$ and $\frac{7}{10}$.

A. $\frac{10}{15}$

B. $\frac{42}{10}$

C. $\frac{13}{10}$

D. $\frac{21}{50}$

5.NF.3,7

#22 Divide $12 \div \frac{1}{3}$

A. $\frac{1}{4}$

B. 4

C. 24

D. 36

5.OA.1

#23 Which expression is equivalent to 32?

A $(30 + 6) \div 3$

B $2 \times (9 + 7)$

C $9 \times (3 + 5)$

D $6 + 2 \times 4$

Multiplies a fraction or whole number by a fraction
5.NF.4,5,6
4 3 2 1 0

Divides whole numbers by a fraction with a numerator of 1, and vice versa
5.NF.3,7
4 3 2 1 0

Evaluates expressions using the order of operations
5.OA.1

5.OA.2

#26 Which expression means the same as the phrase below?

Subtract three from the product of eight and five

      A. $(5 \times 8) + 3$

      B. $5 \times (8 - 3)$

      C. $(5 \times 8) - 3$

      D. $5 \times (8 + 3)$

5.OA.3

#27 Which statement about the corresponding terms in both Pattern A and Pattern B is always true?

Pattern A: 0, 5, 10, 15, 20, 25, 30

Pattern B: 0, 10, 20, 30, 40, 50, 60

A.   Each term in Pattern A is 2 times the corresponding term in Pattern B.

B.   Each term in Pattern A is $\frac{1}{2}$ times the corresponding term in Pattern B.

C.   Each term in Pattern A is 5 less than the corresponding term in Pattern B.

D.   Each term in Pattern A is 10 less than the corresponding term in Pattern B.

Writes and explains numerical expressions
5.OA.2
4 3 2 1 0

Creates two number patterns using two given rules
5.OA.3
4 3 2 1 0