# 3rd Grade Math Sample Questions (CCSS on answer key)

Name: _____

1) What is the greatest odd number in the list below?

$$32 , 45 , 67 , 21 , 17 , 59 , 54 , 98 , 79 , 92$$

A) 98     B) 67     C) 92     D) 79

2) Which group of numbers is listed in order from greatest to least?

A) 789 , 798 , 879 , 897 , 978 , 987
B) 798 , 897 , 789 , 987 , 978 , 879
C) 987 , 978 , 897 , 879 , 798 , 789
D) 897 , 879 , 798 , 978 , 789 , 987

3) Which one of these subtraction problems requires regrouping to be done twice?

A) 281 – 189        C) 227 – 156
B) 287 – 152        D) 274 – 165

4) Each floor of an office building has six offices. How many offices are there on all twelve floors of the building?

A) 82     B) 84     C) 72     D) 75

5) Which two number sentences below have the same answer?

$4 \times 6 =$ _____
$6 \times 5 =$ _____
$7 \times 3 =$ _____
$8 \times 3 =$ _____

A) $4 \times 6 =$ _____ and $8 \times 3 =$ _____
B) $6 \times 5 =$ _____ and $7 \times 3 =$ _____
C) $4 \times 6 =$ _____ and $7 \times 3 =$ _____
D) $6 \times 5 =$ _____ and $8 \times 3 =$ _____

6) Natalie bought eight flower buttons for her doll's dress and divided them in half. She sewed half the buttons on the dress. How many buttons did she have left over?



A) 6     B) 2     C) 8     D) 4

7) What is the missing number from the pattern shown in the data table?

| 25 | 5 |
|----|---|
| 20 | 4 |
| 15 | ? |
| 10 | 2 |

A) 15     B) 7     C) 5     D) 3

8) Ed is helping his dad build a shed. He needs a piece of wood that measures 42 yards 22 inches long. What is its length to the nearest yard?

A) 50 yards        C) 42 yards
B) 43 yards        D) 40 yards

9) You have the following pieces of cardboard.



What 3-D shape can be made from these 2-D shapes?

A) Cube        C) Pyramid
B) Cylinder        D) Rectangular prism

10) Which item has the largest capacity?

A) Flower basket        C) Shoebox
B) Dump truck        D) Dog food bowl

11) Johnny's tractor-trailer is $56\frac{1}{2}$ feet. What is the length of the truck to the nearest foot?

*Answer* _____ feet

12) 30 minutes is equivalent to —

A) quarter of an hour.
B) half an hour.
C) three-quarters of an hour.
D) fifth of an hour.

13) The number pattern below has two missing numbers.

$$49 , 46 , 43 , 40 , \_\_\_\_ , 34 , 31 , \_\_\_\_$$

Write the two missing numbers in the pattern on the blank lines below.

_____ and _____

In the space below, explain how you know what numbers are missing in the pattern.

14) Mr. Milner asked his 3rd grade students to bring in examples of items can be used to show capacity. Below are some of the items the students brought in.
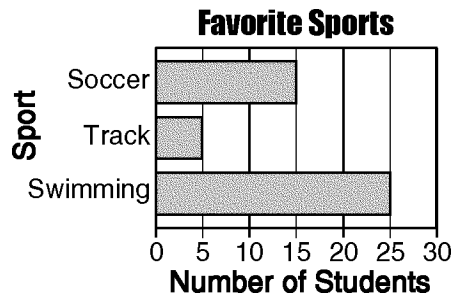


Canteen          Coffee Pot      Drinking Cup    Watering Can

What order do you think these items should be placed in to show least capacity to most capacity?

*Answer*   _____, _____, _____, _____

On the lines below, explain why you placed these items in this order.

_____

_____

_____


15) Which data table is represented by the bar graph below?



A)

| Sport | Soccer | Track | Swimming |
|---|---|---|---|
| Number of Students | 20 | 5 | 20 |

C)

| Sport | Soccer | Track | Swimming |
|---|---|---|---|
| Number of Students | 15 | 5 | 25 |

B)

| Sport | Soccer | Track | Swimming |
|---|---|---|---|
| Number of Students | 10 | 5 | 30 |

D)

| Sport | Soccer | Track | Swimming |
|---|---|---|---|
| Number of Students | 15 | 10 | 30 |

3RD GRADE MATH, Ch 1 #286   Stds: (CCSS) 3.NBT.1, 3.OA.9
1)  D

3RD GRADE MATH, Ch 1 #67   Stds: (CCSS) 3.NBT.2
2)  C

3RD GRADE MATH, Ch 3 #33   Stds: (CCSS) 3.NBT.2
3)  A

3RD GRADE MATH, Ch 3 #113   Stds: (CCSS) 3.OA.1
4)  C

3RD GRADE MATH, Ch 3 #77   Stds: (CCSS) 3.OA.1
5)  A

3RD GRADE MATH, Ch 3 #236   Stds: (CCSS) 3.OA.9
6)  D

3RD GRADE MATH, Ch 3 #224   Stds: (CCSS) 3.OA.9
7)  D

3RD GRADE MATH, Ch 6 #70   Stds: (CCSS) 3.MD.2, 3.MD.4
8)  B

3RD GRADE MATH, Ch 5 #264   Stds: (CCSS) 3.G.1
9)  A

3RD GRADE MATH, Ch 6 #139   Stds: (CCSS) 3.MD.2
10)  B

3RD GRADE MATH, Ch 6 #73   Stds: (CCSS) 3.MD.2, 3.MD.4
11)   57 feet

3RD GRADE MATH, Ch 6 #251   Stds: (CCSS) 3.MD.1
12)  B

3RD GRADE MATH, Ch 5 #86   Stds: (CCSS) 3.MD.7c, 3.MD.7d
13)   37 and 28; The pattern is subtracting 3 from the previous number in the list.

3RD GRADE MATH, Ch 6 #159   Stds: (CCSS) 3.MD.2
14)   SAMPLE ANSWER: Drinking Cup, Canteen, Coffee Pot, Watering Can
      These items are arranged in this order by relative size.

3RD GRADE MATH, Ch 7 #86   Stds: (CCSS) 3.MD.3
15)  C