NY 4th Grade Math Sample Exam
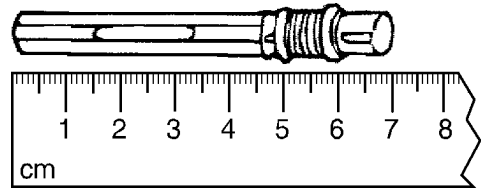
Name: _____

1) Which expression is another way to write $17 \times (22 \times 7) \times 8$?
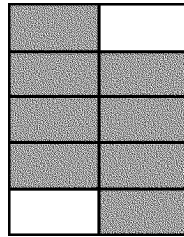
   A) $17 \times 7 \times (20 + 2) \times 2 \times 2$

   B) $(17 \times 22) \times 7 \times 8$

   C) $17 \times (22 + 7) \times 8$

   D) $(17 \times 8) + (22 \times 7)$

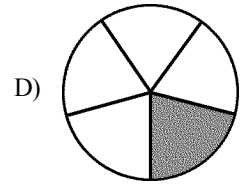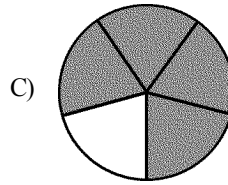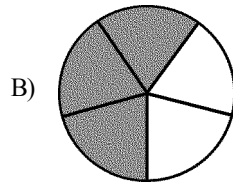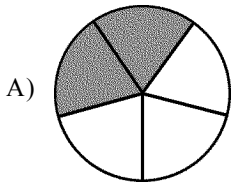2) What is the length of this pencil to the nearest centimeter?

   A) 7 cm   C) 6 cm

   B) 9 cm   D) 10 cm

3) Miles shaded a fraction of his rectangle as shown below.

Which circle has the equivalent fractional part shaded as Miles' rectangle?

A)   B)   C)   D)

4) Which list of numbers is in order from least to greatest value?

   A) 0.09 , 0.23 , 0.32   C) 0.42 , 0.4 , 0.57

   B) 0.11 , 0.21 , 0.01   D) 0.61 , 0.4 , 0.01

5) What is 686 rounded to the nearest hundreds place?

   A) 680   C) 600

   B) 690   D) 700

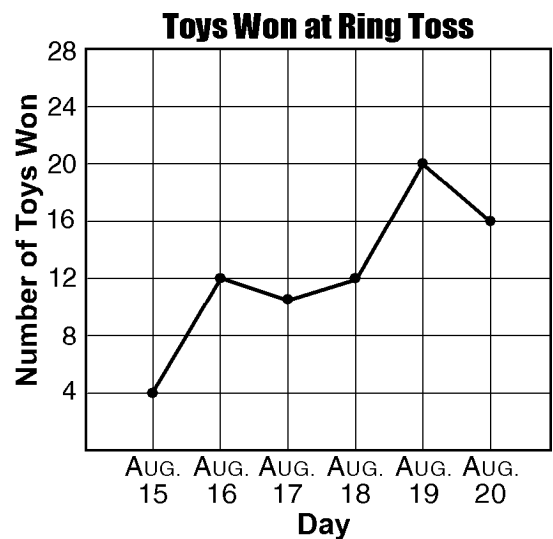6) Helen, Nicole, and Ryan play a number guessing game.

   - Helen's number is 2,400 more than Nicole's number.
   - Nicole's number is 1,500 less than Ryan's number.
   - Ryan's number is 5,600.

   What is Helen's number?

   Show your work.

   Answer _____

7) The number of toys won at the New York State Fair's ring toss game over 6 days in August is shown in the line graph below.

Using the line graph shown, on what date was the smallest number of toys won?

   A) August 19   C) August 20

   B) August 18   D) August 15

8) Gabe buys some items at the store that cost a total of $32.19. Gabe gives the clerk $40 and the clerk gives him $7.81 in change. Which expression can be used to determine if the change is correct?
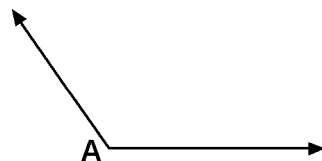
A) $32.19 – $8

B) $40 – $32

C) $40 – $8

D) $40 – $19

9) What is the value of the expression 2ab when a = 14 and b = 6?

A) 168

B) 40

C) 84

D) 22

10) Add 94 to 5,754.

A) 5,958
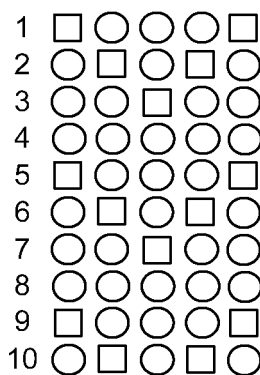
B) 5,694

C) 5,798

D) 5,848

11) Angle A below is —

A) right.

B) obtuse.

C) straight.

D) acute.

12) Roseanne is sewing sequins onto her Halloween costume by following a pattern. She has already completed the first 10 rows of the costume, as shown below.
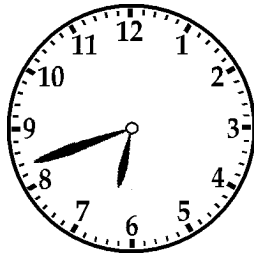

Part A

If the pattern Roseanne uses to sew on sequins continues, how many round sequins will there be in Row 15?

Answer _____ round sequins

Part B

On the lines below, explain the pattern of sequins Roseanne is using for her costume.

_____

_____

_____

13) Julia started eating her dinner at 6:15 PM. After dinner, Julia looked at the clock in her kitchen.

How much time did Julia spend eating her dinner?

A) 1 hour and 33 minutes
B) 33 minutes
C) 27 minutes
D) 1 hour and 27 minutes

14) Renee picked 3 playing cards from a deck. She picked more black cards than red cards. She picked more threes than fives. Which could be Renee's group of cards?

A)

B)

C)

D)
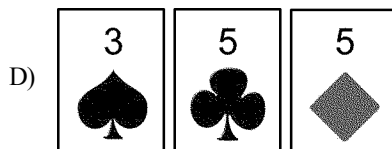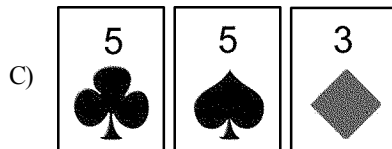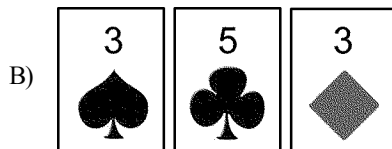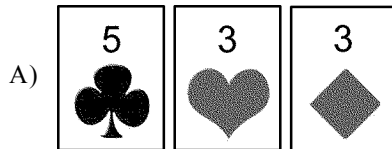
15) For homework, Bryce was asked to draw a parallelogram on a piece of graph paper. The start of his drawing is shown below.
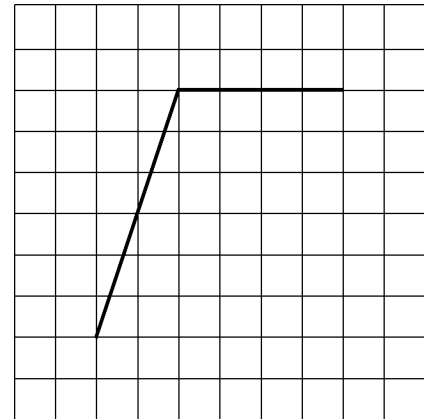
Part A

On the grid above, complete Bryce's drawing of a parallelogram.

Part B

On the same grid, draw a diameter of the parallelogram.

Part C

What two shapes are formed by the diagonal that cuts through the parallelogram?

Answer _____

4TH GRADE MATH, Ch 1 #249   Stds: (CCSS) 4.DA.1, 4.DA.2
1) B

4TH GRADE MATH, Ch 6 #49   Stds: (CCSS) 4.MD.1, 4.MD.2
2) A

4TH GRADE MATH, Ch 1 #335   Stds: (CCSS) 4.NF.1
3) C

4TH GRADE MATH, Ch 1 #466   Stds: (CCSS) 4.NF.7
4) A

4TH GRADE MATH, Ch 3 #23   Stds: (CCSS) 4.OA.3
5) D

4TH GRADE MATH, Ch 2 #209   Stds: (CCSS) 4.NBT.4
6)   6,500
      WORK SHOWN: $(5,600 - 1,500) + 2,400 = 6,500$

4TH GRADE MATH, Ch 7 #74   Stds: (CCSS) 4.MD.4
7) D

4TH GRADE MATH, Ch 3 #60   Stds: (CCSS) 4.OA.3
8) B

4TH GRADE MATH, Ch 4 #53   Stds: (CCSS) 4.OA.1, 4.OA.2, 4.OA.3
9) A

4TH GRADE MATH, Ch 2 #53   Stds: (CCSS) 4.NBT.4
10) D

4TH GRADE MATH, Ch 5 #326   Stds: (CCSS) 4.G.1
11) B

4TH GRADE MATH, Ch 4 #281   Stds: (CCSS) 4.OA.5
12)   Part A: 4 round sequins; Part B: The square sequins move from positions 1 and 5, to 2 and 4, to 3, and finally no square sequins.
       Then the pattern starts again.

4TH GRADE MATH, Ch 6 #346   Stds: (CCSS) 4.MD.1, 4.MD.2
13) C

4TH GRADE MATH, Ch 4 #216   Stds: (CCSS) 4.NBT.2
14) B

4TH GRADE MATH, Ch 5 #297   Stds: (CCSS) 4.G.2

15)   Part A-B: ; Part C: triangles (isosceles)