

Math CMT Practice
Packet # 1



Grade 6

Bridgeport Public Schools

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Math CMT Practice Packet #1

1. Jennifer needs to subtract 3.9 from 12.7. To get a GOOD ESTIMATE of this difference, which expression would be BEST for Jennifer to use?

- a. $13 - 4$
- b. $127 - 39$
- c. $13 - 5$
- d. $12 - 4$

2. Christopher needs to add 14.4 and 21.2. Show the whole numbers you would use to ESTIMATE this sum. Then write one or two sentences to explain why you used these numbers.

Use the menu to answer question 3.

Menu (tax included)	
Ice Cream Cones.....	large \$1.75 small \$1.25
Ice Cream Sundae.....	\$2.50
Brownie.....	\$2.00
Cookies (package of 3).....	\$3.00
Drinks.....	large \$1.75 small \$1.25

3. Kyle, James, and Michael went to the ice cream shop together. They each ordered an ice cream sundae and a small drink. What was the total bill for the 3 friends?

4. Sarah bought 3 bags of candy for the class picnic. One weighed $2\frac{1}{4}$ pounds, another weighed $1\frac{5}{8}$ and the last weighed $3\frac{1}{4}$ pounds. **ABOUT** how much total pounds of candy did Susan buy?

- a. 7
- b. 10
- c. 8
- d. 11

Use the following information to answer question 5.

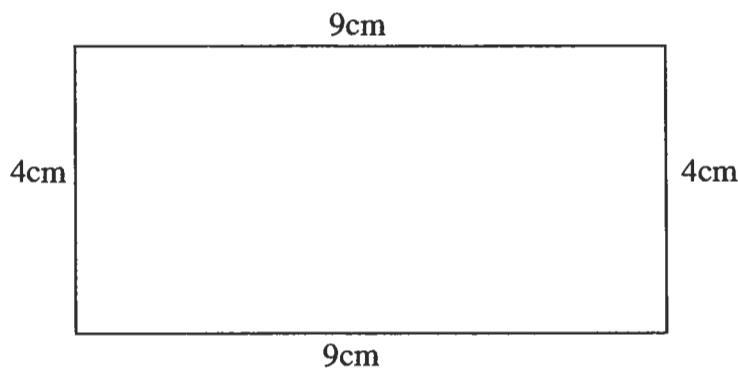
The Richards' family is going on vacation. They put together the chart below to help them plan their trip.

Destination	Cost
Aruba	\$5,543.00
Disney World	\$6,389.00
California	\$7,290.00
England	\$11,345.000

5. The Richards plan to put $\frac{1}{2}$ of their trip on a credit card. If they go to California, **ABOUT** how much will Mrs. Richards put on her credit card?

- a. \$3,000
- b. \$2,500
- c. \$3,500
- d. \$4,000

Use the rectangle to answer question 6.



6. Solve this problem: What is the perimeter of the rectangle in **centimeters**?

Answer: _____

7. What is the name of a geometric figure with eight sides?

- a. hexagon
- b. octagon
- c. pentagon
- d. rectangle

8. What is the next number in the sequence?

6, 16, 15, 25, 24, 34, _____

Show your work or explain how you decided what to write?

9. The drive from Connecticut to California took 120 hours. How many days was that?

- a. 7 days
- b. 5 days
- c. 5 and $\frac{1}{2}$ days
- d. 6 days

10. To estimate the sum of 6,013 and 4,021, Susan added 4,000 to 6,000. Will Susan's answer be more or less than the actual sum?

More because _____

Or

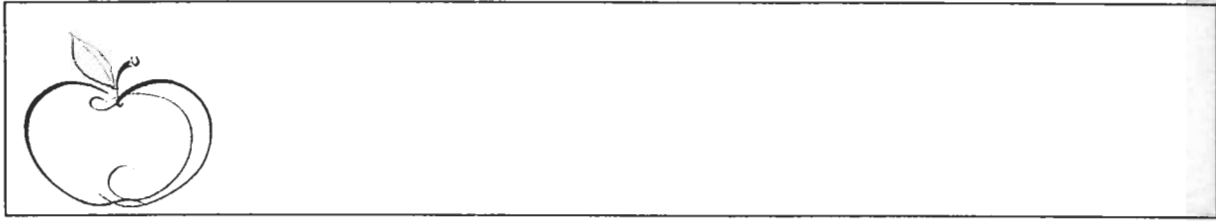
Less because _____

11. In 1999, Mt. Washington New Hampshire has 89.92 inches of rainfall. What is this amount rounded to the nearest whole number?

12. 7 hundreds and 14 tens can also be expressed as

- a. 21
- b. 84
- c. 714
- d. 840

13. About how many apples will fit on this shelf?



- a. 10
- b. 2
- c. 4
- d. 6

14. Keep a food diary for one day. Write down everything you eat. Organize the items you ate into the following food groups:

- Fruits i.e. (apples, oranges)
- Vegetables i.e. (corn, salad)
- Protein i.e. (bacon, hamburger)
- Carbohydrates i.e. (bread, cereal, cookies)

a. Make a bar graph to display this information about what you ate.

b. Which food group did you eat most of? _____

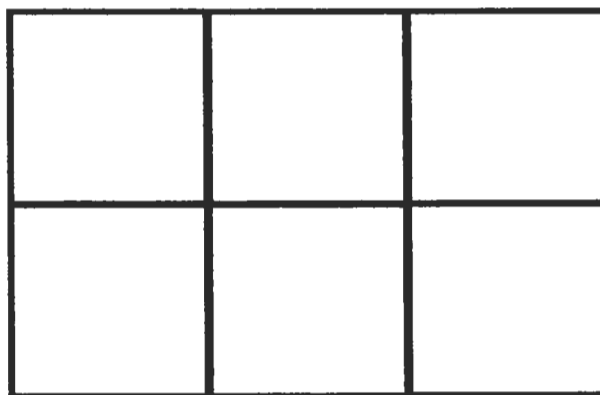
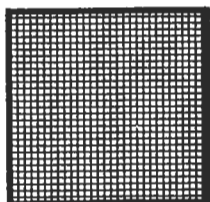
c. Which food group did you eat least of? _____

15. If the pencil is 6 inches long, ABOUT how long is the banner?



- a. 20 in b. 10 in c. 30 in d. 40 in

16. If the small tile has an area of 18 square inches, **about** what is the area of the large wall?

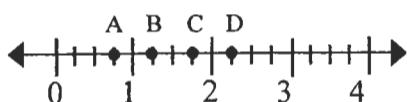


- a. 108 sq. in. b. 126 sq. in. c. 144 sq. in. d. 180 sq. in.

17. Xavier ran $\frac{3}{4}$ of a mile. Which decimal names the same amount?

- a. 0.25 b. 0.34 c. 0.75 d. 3.4

18. Which letter indicates $2\frac{1}{4}$ on the number line?



- a. A b. B c. C d. D

19. Solve this problem.

$$35.1 \div 0.3 =$$

- a. 11.6 b. 117 c. 0.117 d. 116

20. Solve this problem and rename the difference in lowest terms.

$$\begin{array}{r} 3\frac{3}{8} \\ + 5\frac{3}{8} \\ \hline \end{array}$$

a. $8\frac{6}{16}$

b. $8\frac{3}{8}$

c. $8\frac{2}{3}$

d. $8\frac{3}{4}$

21. Shade in $\frac{1}{4}$ of this shape.



22. Write a story problem that can be solved with the number sentence:

$$60 \div 12 =$$

23. In a bag there were 2 blue marbles, 5 yellow marbles, 1 red marble, and 4 green marbles. If you chose one of the balls at random, what are the chances that it will be yellow?

a. $\frac{4}{12}$

b. $\frac{5}{12}$

c. $\frac{9}{12}$

d. $\frac{3}{12}$

24. Solve this problem.

If $4 \cdot x - 16 = 8$, then what is the value of x ?

a. 6

b. 2

c. 4

d. 8

25. Jerry wants to make a snack mix for his family and friends to eat while they are watching a video movie. He determined that he needs 8 pounds of snack mix to feed everyone. Since the snack mix needs to be really tasty, he wants to put at least 4 different items in it. He went to the store and found the following items from which to choose. He can spend no more than \$10. What should he buy?

Snack Item	Price per pound	Pounds purchased	Total Price
Peanuts	\$2.29		
Pretzels	\$1.19		
Raisins	\$1.59		
M & M's	\$2.99		
Marshmallows	\$0.59		
Goldfish crackers	\$0.99		
Salted sunflower seeds	\$1.39		
Vanilla morsel	\$2.29		
Total			