



**Cranford Public Schools**

**Summer Math Practice**

**Students Entering 4<sup>th</sup> Grade**

Parent(s) / Guardian(s),

Summer is a time for relaxation and rejuvenation for children as they grow older and prepare for their next grade level. It can also be a time that students start to forget lessons learned throughout the school year. To help keep ideas fresh in their mind, we have prepared a practice packet of skills that they should be familiar with for the upcoming year. We also suggest that students frequently practice their fact fluency in addition, subtraction, and multiplication. In addition to the problems in the packet we are also providing a list of apps and websites that you may choose to use with your child. Students often enjoy these as they may be more game-based opposed to a worksheet. We strongly suggest returning this completed packet back to school in September.

#### Websites

<https://www.khanacademy.org/>

<https://www.mathplayground.com/>

<https://www.splashmath.com/>

<https://www.ixl.com/>

<https://xtramath.org/#/home/index>

<https://www.funbrain.com/>

<https://www.aaamath.com/>

<https://www.mathsisfun.com/>

## Summer Math Practice – Rising to 4<sup>th</sup> Grade

Name: \_\_\_\_\_

### Multiple Choice

1. The Empire State Building is one hundred two stories tall. Which numeral is the same as one hundred two?

a. 102                      b. 112                      c. 120                      d. 201

2. The table below shows the types of ice cream cones sold at an ice cream shop yesterday.

Types of Ice Cream Cones	Number Sold
Vanilla	21
Chocolate	18
Strawberry	10
Cookie Dough	19

Which number sentence shows the **best** way to estimate the total number of ice cream cones sold at the shop yesterday?

1.  $20 + 10 + 10 + 10 = 50$                       c.  $20 + 20 + 10 + 20 = 70$   
2.  $20 + 10 + 10 + 20 = 60$                       d.  $20 + 20 + 20 + 20 = 80$
3. The clock below shows the time Brian went skating yesterday. At what time did Brian go skating?



- a. 3:05 P.M.  
b. 3:25 P.M.  
c. 4:25 P.M.  
d. 4:59 P.M.

4. What fraction of the fruit is bananas?



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

b.  $\frac{4}{10}$

c.  $\frac{4}{6}$

d.  $\frac{10}{4}$

5. Miguel has 109 pennies in a jar. What is 109 rounded to the nearest hundred?

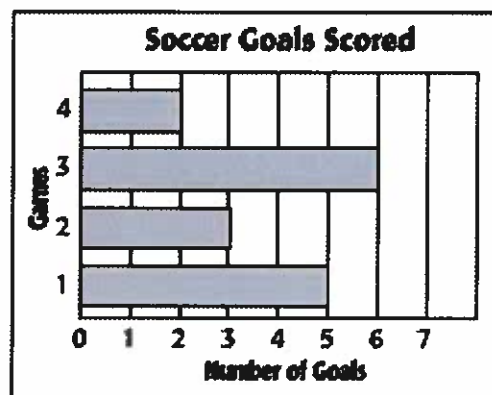
a. 100

b. 110

c. 150

d. 200

The graph below shows the number of goals scored by Ling's team in 4 soccer games.



6. How many goals did Ling's team score in all 4 games combined?

a. 15

b. 16

c. 17

d. 18

7. Ling's team scored more goals in game 5 than in game 2, but fewer goals than in game 1. How many goals did Ling's team score in game 5?

a. 1

b. 2

c. 3

d. 4

8. What number makes the number sentence correct?

$\square \times 1 = 10$

a. 0

b. 1

c. 10

d. 11

9. What number makes the number sentence correct?

$$\square \times 5 = 10$$

a. 0

b. 5

c. 2

d. 50

10. What number makes the number sentence correct?

$$4 \times \square = 36$$

a. 4

b. 6

c. 3

d. 9

11. What number makes the number sentence correct?

$$\square \times 7 = 49$$

a. 7

b. 42

c. 10

d. 6

12. What number makes the number sentence correct?

$$7 \times \square = 56$$

a. 9

b. 8

c. 7

d. 6

13. What fraction of the figure is shaded?



a.  $\frac{1}{6}$

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

c.  $\frac{1}{3}$

d.  $\frac{1}{2}$

14. Which number has 20 ones?

a. 120

b. 203

c. 280

d. 297

15. Which symbol makes the number sentence correct?

$$455 \bigcirc 554$$

a. >

b. <

c. =

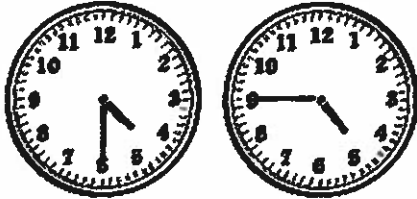
d. +

16. Priya traces the bottom of this object. Which shape will she get?



- a. square      **b. rectangle**      c. triangle      d. circle

17. Keith walked his dog at 4:30 P.M. He finished the walk at 4:45 P.M. For how long did Keith walk his dog?

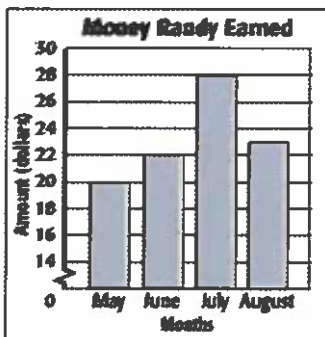


- a.  $\frac{1}{5}$  hour      **b.  $\frac{1}{4}$  hour**      c.  $\frac{1}{3}$  hour      d.  $\frac{1}{2}$  hour

18. Ms. Brody put an odd number of crayons into a box. How many crayons could be in the box?

- a. 209**      b. 210      c. 212      d. 224

19. The graph below shows the amount of money Randy earns each month. How much more money did Randy earn in July than in June?



- a. \$3      b. \$4      **c. \$6**      d. \$10

20. Which measurement best describes the height of a tall person?

- a. 6 inches      **b. 6 feet**      c. 6 yards      d. 6 miles

21. Which of these equals 967?

- a.  $800 + 100 + 7$       **b.  $900 + 60 + 7$**       c.  $900 + 70 + 6$       d.  $900 + 600 + 7$

22. Miya added water to a pot to make chicken soup for 12 people. Which measurement **best** describes how much water she added to the pot?



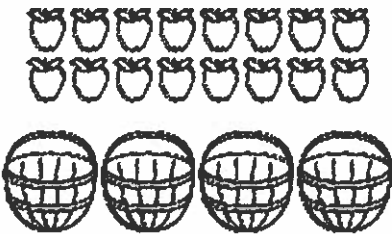
- a. 1 cup                      b. 1 pint                      c. 2 gallons                      d. 20 gallons

23. Timir cut a cake into 10 equal slices. He ate 2 slices. What fraction of the cake did Timir eat?



- a.  $\frac{1}{10}$                       b.  $\frac{2}{10}$                       c.  $\frac{2}{5}$                       d.  $\frac{8}{10}$

24. Jose has 16 apples and 4 baskets. He wants to put the same number of apples in each basket? Which number sentence shows how many apples Jose will put in each basket?

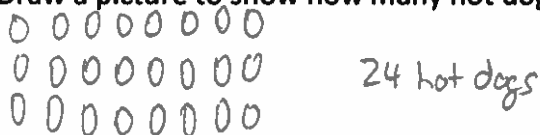


- a.  $16 + 4 = 2$                       b.  $16 \div 4 = 4$                       c.  $16 - 4 = 12$                       d.  $8 + 8 = 16$

**Short Answer**

25. The DeAngelis family is having a cookout. They purchased 3 packs of hot dogs with 8 hot dogs in each pack.

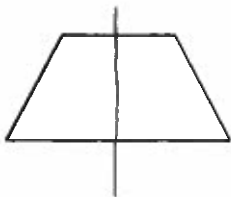
- a. Draw a picture to show how many hot dogs they purchased in all.



- b. The DeAngelis family can find hot dog buns only in packs of 10. They buy 3 packs of hot dog buns. If every hot dog they bought is put on a bun, how many buns will they have left over?

6 buns

26. Monique drew a sign using the shape below. What is the name of the shape of the sign?



trapezoid

27. Draw one line of symmetry on the shape above.

28. The number pattern below has two missing numbers.

75, 69, 63, 57, 51, 45, 39, 33

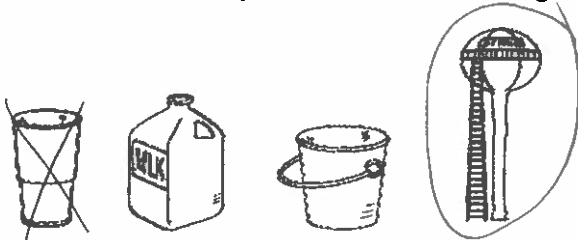
a. Write the two missing numbers on the blank lines in the pattern above.

b. Below, explain how you know what numbers are missing in the pattern.

Each number is 6 less than the one before it.  $57 - 6 = 51$  and  $39 - 6 = 33$ .

The missing numbers are 51 and 33

29. Mauricio saw the pictures below in a magazine.



a. Cross out the object that would hold the least liquid?

b. Draw a ring around the object that would hold the most liquid?

**Directions: Draw a picture/model or write an equation to show your work. Remember to label your answers!**

30. Ethan kept track of the weather for 365 days. It was cloudy 178 days. How many days were not cloudy?

187 days

31. The grocer had 137 green apples and 93 red apples. On Thursday he sold 89 apples. How many apples does the grocer have left?

141 apples



32. On Saturday Sam's Sub Shop had 150 subs. Eighty-seven subs were sold at lunch and 45 more were sold at dinner. How many subs were left?

18 subs

33. A truck driver needs to deliver 806 packages. In the morning he delivered 336 packages and in the afternoon he delivered 290 packages. How many more packages still need to be delivered?

180 packages

34. Jeff wants to buy a video game that costs \$76 and a mic that costs \$355. So far Jeff has saved \$380. How much more money does Jeff need to save?

\$ 51

35. Eighteen cookies are divided into 3 bags. How many cookies are in each bag?

6 Cookies

36. A chef is cooking chicken in a restaurant. The recipe says you need 5 minutes for every pound. How many minutes will it take to cook 11 pounds of chicken?

55 minutes

37. Jess has 48 dolls and 8 boxes. She wants to put the same amount of dolls in each box. How many dolls can she put in each box?

6 dolls

38. A rubber band was 7 cm long at first. Now it is stretched to be 28 cm long. How many times longer is the rubber band than it was at first?

4 times longer

39. Nina can practice a song 8 times in an hour. If she wants to practice the song 40 times before the recital, how many hours does she need to practice?

5 hours

40. Zan is building a rectangular fort that is 10 feet wide and 9 feet long. What is the area of the fort? Label your answer.

90 square Feet

41. Laura is making cupcakes. They need to bake for 45 minutes. She put them in the oven at 5:40 p.m. At what time should she take them out?

6:25 p.m.

42. Penny has 72 party favors to give to 9 friends. She wants to give each friend the same amount. How many party favors should she give to each friend?

8 Favors

43. Emily bought 9 packs of pencils. Each pack had 6 pencils. How many pencils did Emily buy?

54 pencils