Math +Summer progress

Hamilton School

ENTERING GRADE 4

Student Name: _____

Directions: Please complete this Summer Math Packet over the summer and return to your math teacher on the first day of school.

- Students should show all work on this math packet next to the problem.
- Students should **NOT** use a calculator.
- This will be your first math grade of the year!

Have a GREAT summer! Happy computations!

(hint!: there may be more than one correct answer for some problems.)

1 The Mountain Elementary School cafeteria served 561 hotdogs on Tuesday and 349 hotdogs on Friday. What is the best estimate for the total number of hotdogs sold?

   A 700
   B 800
   C 900
   D 1,000

2 **338 + 276 =**

   A 504
   B 514
   C 604
   D 614

3 **What digit is missing from the problem?**

$$
\begin{array}{ccc}
3 & 7 & 8 \\
+\ \ \square & & 5 \\
\hline
4 & 2 & 3
\end{array}
$$

   A 3
   B 4
   C 5
   D 9

4   Eduardo made a pictograph to show his classmates' favorite snacks.

Classmates' Favorite Snacks

Snacks	Number
Fruit	◎ ◎
Granola bars	◖
Carrots and dip	◎ ◎ ◎
Popcorn	

Key: Each ◎ = 4 students

If 10 students like popcorn, what should the symbol(s) look like?

A ◖

B ◎

C ◎ ◎

D ◎ ◎ ◖

Pick each pair of numbers that equal 431 when added.

342 and 89	181 and 250	251 and 149
322 and 110	324 and 105	309 and 122

6   **If the following pairs of numbers were each rounded to the nearest hundred, which two would be the same?**

A 1143 and 1247

B 1247 and 1254

C 1254 and 1321

D 1321 and 1143

7 **28 + 33 + 10 =**
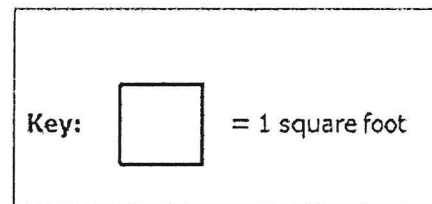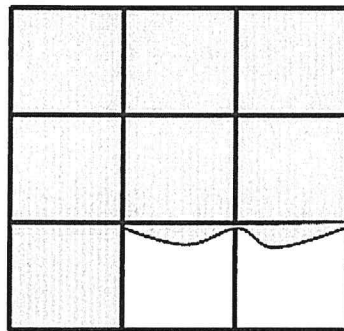- A 61
- B 62
- C 71
- D 94

8 **95 − 38 =**
- A 53
- B 57
- C 63
- D 67

9 **The Spring Tree Company planted 4 rows of 8 trees each. How many trees were planted altogether?**
- A 40
- B 24
- C 32
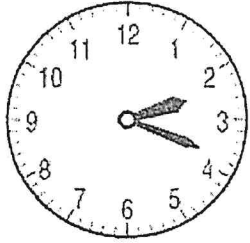- D 36

10 **This model shows a square that is 3 feet long and 3 feet wide.**

Key: ☐ = 1 square foot

Which is closest to the area of the shaded part of this model?
- A 7 square feet
- B 9 square feet
- C 5 square feet
- D 3 square feet

11 Which is closest to the time shown on the clock?

A 2:20

B 4:10

C 2:10

D 2:25

12 Jeff and Amy are sharing their snack.
Jeff takes 2 pretzels at a time.
Amy takes 3 pretzels at a time.
When Jeff has 8 pretzels, how many does Amy have?

A 3 pretzels

B 6 pretzels

C 8 pretzels

D 12 pretzels

13 Ms. Green tells her class the answer to a multiplication problem is 42. Which of the following could be the multiplication problem?

A 6×7

B 7×5

C 8×6

D 9×5

14 Kaitlyn had 408 marbles in her collection. She lost 179 of her marbles. Then she received 72 marbles as a present. What is the total number of marbles she has in her collection?

A 301

B 659

C 157

D 229

15 Cody went out for breakfast and shopping with his dad. They were gone for 5 hours and 35 minutes. Cody and his dad arrived home at 2:05 p.m. What time did they leave?

A 6:40 p.m.

B 8:30 a.m.

C 9:30 a.m.

D 7:40 p.m.

16 Look at the picture.
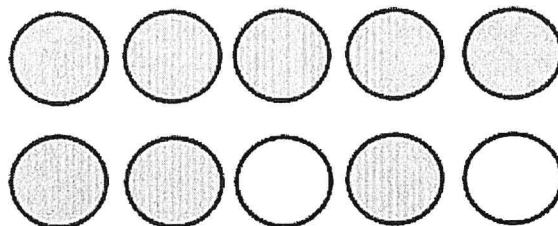
What fraction of the counters are shaded?

A $\dfrac{10}{2}$

B $\dfrac{10}{8}$

C $\dfrac{2}{10}$

D $\dfrac{8}{10}$

17 Which expression does NOT equal 18?

A 2×9

B 4×4

C 6×3

D 18×1

18 Steven bought 6 pillows at the store for $42. If the price of each pillow was the same, how much did he pay for each pillow?

A $5

B $6

C $7

D $8

19

Which equations will be true if the question mark is replaced with a 6?

$48 \div 7 = ?$	$? \times 6 = 24$
$5 \times ? = 30$	$54 \div ? = 9$
$? \times 4 = 20$	$18 \div 3 = ?$

20 **The chart shows the Vitamin C content in some fruit.**

Vitamin C Content	
Fruit	Vitamin C (in mg)
navel orange	80
medium tomato	32
seedless grape	1
large peach	10
lemon without peel	45

Which amount of fruit has the same Vitamin C content as one navel orange?

A eight medium tomatoes
B eight seedless grapes
C eight large peaches
D eight lemons without peels

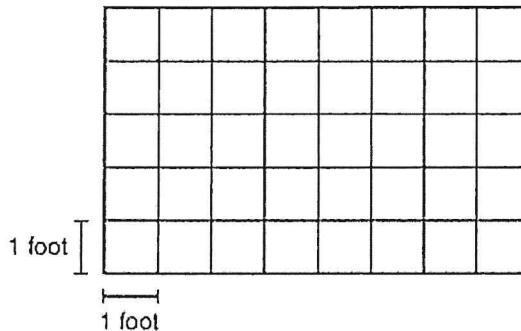**21** Megan bought a set of golf balls like the ones pictured below.
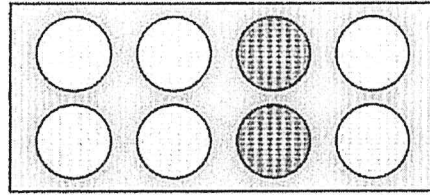
In the set, $\frac{6}{8}$ of the golf balls were white. Which fraction names the same amount as $\frac{6}{8}$?

A $\frac{1}{3}$

B $\frac{3}{4}$

C $\frac{3}{5}$

D $\frac{6}{4}$

22 Ms. Young wants to put carpet on her living room floor represented by the grid shown below.

1 foot

1 foot

How many square feet of carpet will Ms. Young need to buy to cover the entire room?

A 13 square feet

B 20 square feet

C 26 square feet

D 40 square feet

23 Ms. Pang had a jar with 55 paper clips on her desk. Sophie borrowed 7 paper clips and Terell borrowed 12 paper clips. How many paper clips are left in Ms. Pang's jar?

A 36

B 43

C 44

D 46

24 The figure below shows the dimensions of a pool.

Scale	
☐	= 1 square yard
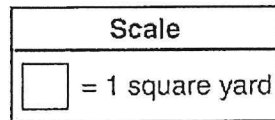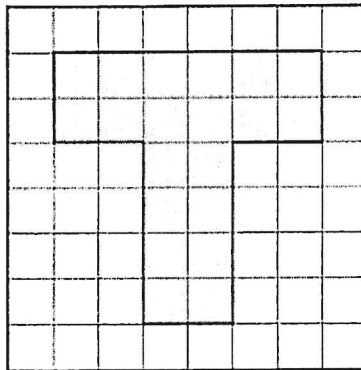
Which measurement is closest to the area of this pool?

A 24 square yards

B 20 square yards

C 16 square yards

D 12 square yards