



END-OF-YEAR WORD PROBLEMS

Directions – Read
and solve the word
problems.

Moses is making a thank-you card for his teacher at the end of the year. He covers $\frac{3}{12}$ of the card in glitter. Name two fractions that are equivalent to $\frac{3}{12}$.

1

Ms. Morrison is taking down all of her classroom decorations at the end of the year. The biggest poster is a square with a side length of 36 inches. What is the area of this poster?

2

Mr. Lukas is pouring juice for his students' end-of-year party. Each cup holds $\frac{1}{4}$ of a liter of juice. He fills 28 cups of juice. How many liters is this?

3

Principal Sarek is treating Bridgewater Elementary School to an end-of-year pizza party. Each pizza has 12 slices in it. Principal Sarek buys 49 pizzas. How many slices are there altogether?

4

Mr. McAvoy is the custodian at Green Meadows Elementary School. At the end of the year, he collects 83.24 pounds of trash from the classrooms. This is 14.09 more pounds than he collected last year. How many pounds of trash did he collect last year?

5

There are 348 school buses in Bristol County. Over the summer, they park in a garage that has 6 levels. If each level holds the same number of buses, how many buses are on each level?

6

Coach Singer measured how much faster students could run around the track at the end of the year than they could at the beginning of the year. At the beginning of the year, it took Jim 5.61 minutes. At the end of the year, it took Jim 4.08 minutes. How much less time did it take Jim to run around the track at the end of the year?

7

Karmen always eats chocolate chip pancakes for breakfast to celebrate the last day of school. Each pancake has $\frac{2}{9}$ of an ounce of chocolate chips in it. Karmen ate 4 pancakes. How many ounces of chocolate chips did she eat?

8

Mr. Favereaux is giving his class one last math problem before the year is over. He asks the class to round 184,962 to the nearest thousand. Ivy says that it's 180,000. Will says it's 185,000. Which student is correct? Explain your reasoning.

9

Miriam is decorating a cake for her class's end-of-year party. The cake is a rectangle with a length of 20 inches and a width of 9 inches. If she pipes icing along the perimeter, how many inches of icing will she need?

10

The cafeteria workers at Polk Elementary are making special cookies for the students on the last day of school. The recipe calls for $\frac{5}{9}$ of a pound of brown sugar and $\frac{6}{8}$ of a pound of white sugar. Do the cookies have more brown sugar or white sugar? Explain your reasoning.

11

Jonas and Liam are cleaning out their desks at the end of the year. Jonas fills $\frac{3}{9}$ of a recycling bin with old papers. When Liam adds his papers, the bin is completely full. What fraction of the recycling bin is full of Liam's papers?

12

For the end-of-year party, Principal Mendrose bought six giant bags of candy. Each bag had 538 pieces of candy in it. How many pieces of candy are there altogether?

13

Mr. Reyes is asking his class about their summer plans. Of the students, $\frac{3}{9}$ are going to visit the beach, and $\frac{2}{9}$ are going to visit the mountains. What fraction of the class is going to either the beach or the mountains?

14

Two friends are signing yearbooks at their class's end-of-year party. Ruben takes 0.35 of a minute to sign his name. Jace takes 0.4 of a minute. Determine who takes longer to sign his name. Explain your reasoning.

15

At the end of the school year, Jenny sees that she has lost $\frac{4}{10}$ of her markers. What are two fractions that are equivalent to this fraction?

16

Families are being seated for the 5th grade graduation party. There are 27 rows of seating with 22 seats in each row. How many total seats are there for families to sit in?

17

Ms. Wilkins is the custodian at West Glen Elementary school. He is waxing the gym floor at the end of the year. The floor is a rectangle with a width of 50 feet and a length of 81 feet. What is the area of the gym floor?

18

END-OF-YEAR MATH PROBLEMS

Name: _____ Date: _____

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END-OF-YEAR MATH PROBLEMS

Name: _____ Date: _____

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END-OF-YEAR MATH PROBLEMS

2 of 2

Name: _____ Date: _____

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ANSWER KEY

#	Skill	Answer
1	Equivalent Fractions	$\frac{1}{4}$, $\frac{6}{24}$, $\frac{9}{36}$
2	Area	1,296 square inches
3	Multiplying Fractions by Whole Numbers	7 liters
4	Multi-Digit Multiplication	588 slices
5	Decimal Operations/Measurement Word Problem	69.15 pounds
6	Dividing by 1-Digit Divisors	58 buses
7	Decimal Operations/Measurement Word Problem	1.53 minutes
8	Multiplying Fractions by Whole Numbers	$\frac{8}{9}$ of an ounce
9	Rounding Whole Number	Will is correct.
10	Perimeter	58 inches
11	Comparing Fractions	The cookies have more white sugar.
12	Subtracting Fractions	$\frac{6}{9}$ or $\frac{2}{3}$ of the bin
13	Multi-Digit Multiplication	3,228 pieces of candy
14	Fraction Operations	$\frac{5}{9}$ of the class
15	Comparing Decimals	Jace takes longer to sign his name.
16	Equivalent Fractions	$\frac{2}{5}$, $\frac{8}{20}$
17	Multi-Digit Multiplication	594 seats
18	Area	4,050 square feet

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