



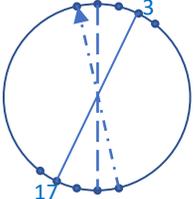
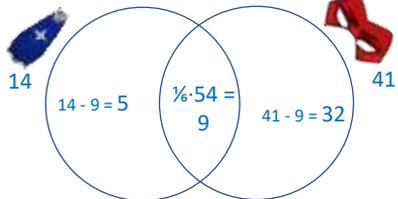
First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_ Grade: \_\_\_\_\_

Teacher: \_\_\_\_\_ Parent's email: \_\_\_\_\_

## How Many?

**Kinder and First Grade: solve at least 3 problems.**  
**Second and Third Grade: solve at least 7 problems.**  
**Fourth Grade and above: solve at least 12 problems.**

		<i>Answer</i>
1.	<p>Laura took 6 pieces of strawberry from the refrigerator for snack. She ate three of them and unfortunately dropped one, where it got squashed and was not edible. How many pieces of strawberry does she have left?</p> <p><math>6 - 3 - 1 = 2</math> pieces of strawberry</p>	<i>2 [pieces of strawberry]</i>
2.	<p>Mrs. Toby bought 3 red apples and 3 green apples. If she used 4 apples to make an apple pie, how many apples are left?</p> <p>Total apples: <math>3 + 3 = 6</math> apples            The number of apples left: <math>6 - 4 = 2</math> apples</p>	<i>2 [apples]</i>
3.	<p>Daniel is 3rd in a line for a slice of pizza at the lunch counter. Anna is the 2nd student from the end of the line. If Nina and Maya are the only students lining up between Daniel and Anna, how many students are there in the line at the lunch counter?</p> <p> </p>	<i>7 [students]</i>
4.	<p>Brie puts 8 chocolate chip cookies onto a plate for her friends. She puts 5 oatmeal cookies onto another plate. Her friends eat 4 cookies. How many cookies are left?</p> <p>Total cookies Brie has: <math>8 + 5 = 13</math> cookies.            After her friends eat 4 cookies, she has <math>13 - 4 = 9</math> cookies</p>	<i>9 [cookies]</i>
5.	<p>Mrs. Sarwono ordered two large-sized pizzas. Each pizza was cut into 8 slices. If she ate three slices, how many slices of pizza are left?</p> <p>The number of slices: <math>2 \times 8 = 16</math> slices.            The number of slices left: <math>16 - 3 = 13</math> slices.</p>	<i>13 [slices]</i>
6.	<p>Neeta: 2 coins            Jonathan: <math>2 \times 3 = 6</math> coins            Tom: <math>2 \times 6 = 12</math> coins</p> <p style="margin-left: 150px;">} In all, they have <math>12 + 6 + 2 = 20</math> coins</p>	<i>20 [coins]</i>
7.	<p>There will be 2 packages on each table or <math>2 \times 8 = 16</math> crayons in each table.            Total crayons on the 4 tables: <math>16 \times 4 = 64</math> crayons</p>	<i>64 [crayons]</i>
8.	<p>T18, T19, T20, T21..., T30, T31...T38            T18, T19, T20 <math>\rightarrow</math> 3 seats            T21..., T30 <math>\rightarrow</math> 10 seats            T31...T38 <math>\rightarrow</math> 8 seats            In between there are <math>3+10+8 = 21</math> seats</p>	<i>21 [seats]</i>

9.	Ken scored $4289+355 = 4644$ points He needs $6000-4644 = 1356$ more points to score	1356 [points]
10.	$2 \times 500 = 1000$ pages $1000 \div 34 = 29$ R14, so Adam can do 29 booklets	29 [booklets]
11.	Two medium cartridges can print as many pages as three small cartridges (1800 pages). One medium cartridge can print $1800 \div 2 = 900$ pages Three medium cartridges can print $900 \times 3$ pages = 2700 pages, which is the same number of pages as what two large cartridges can print. So, one large cartridge can print $2700 \div 2 = 1350$ pages.	1350 [pages]
12.	Since number 3 is across from number 17, there must be 13 students between them (half of the circle). Total students: $13+13+1+1 = 28$ .  Or draw the circle. $17 - 3 = 14$ . Thus, the first point is across $1+14 = 15$ . Thus, 14 and $14=14 = 28$ is the last pair of points in the circle.	28 [students]
		
13.	With 0 folds, the thickness is 0.1 mm; one fold, the thickness is 0.2 mm; two folds, the thickness is 0.4 mm, and with 3 folds, the thickness is 0.8 mm.	3 [times]
14.	$1/6$ of $54 = 9$ ; 9 wear both so only 5 wear just a cape ( $14 - 9$ ) and 32 wear just a mask ( $41 - 9$ ). $9 + 5 + 32 = 46$ of the 54 accounted for; the remaining 8 must wear neither.  Or draw a Venn Diagram Superheroes that wear either cape or mask $41 + 5 = 46$ . In survey participated 54, thus $54 - 46 = 8$ superheroes do not wear a mask or a cape.	8 [superheroes]
		
15.	In 12 days, 6 chickens will lay 72 eggs and 6 other chickens will lay 36 eggs. Total eggs: $72+36 = 108$	108 [eggs]
16.	$1070 \div 40 = 26.75$ (26 gift cards) $1214 \div 40 = 30.35$ (30 gift cards) Total gift cards: $26 + 30 = 56$ gift cards.	56 [gift cards]
17.	After 5 years, each maple tree will be $4+4+2+1+1/2+1/4 = 11 \frac{3}{4}$ feet tall. That's $8 \times 11 \frac{3}{4}$ feet = 94 feet of maple tree height. After 5 years, each birch tree will be $10 + 5 \times 3 = 25$ feet tall. That's $15 \times 25$ feet = 375 feet of birch tree height. Total feet of tree height = $375 + 94 = 469$ feet	469 [feet]
18.	At the end of April 1 <sup>st</sup> , $2/3$ of 4500 = 3000 bulbs had bloomed. On April 2 <sup>nd</sup> , $2/3$ of $(4500 - 3000) = 1000$ more bulbs bloomed. Therefore, $3000 + 1000 = 4000$ bulbs had bloomed by the end of April 2 <sup>nd</sup> .	4000 [bulbs]

Solution is available on October 7, 2022  
[www.mathinaction.org](http://www.mathinaction.org)