

Week 2
Hopefully Helpful Hints

Grade 1

- #4 Ben ate the most, so you can fill his name in the first blank and go from there.
- #5 The rabbit jumps 9 and then 4 more (which means to add on to make 13). The number sentence is the addition problem.

Grade 2

- #1 Make sure to include all the squares, including the large one!
- #2 You may not have to use all the spaces provided...
- #6 Try using the letter code first- it's easier to erase a letter than crayon.

Grade 3

- #4 The width of the patio is 10 ft. This means the opposite side is also 10 ft. If the distance around (perimeter) is 50 ft, the rest of the patio has to be $50 - (10 + 10) = 30$ ft. This is the total length of the other two sides, so now divide by 2.
- #6 Each possible path either starts at 6 and ends at 5 or starts at 5 and ends at 6.

Grade 4

- #1 Make sure to use the fact that 12 inches = 1 foot.
- #3 The pattern seems easier to find if you work from right to left!
- #4 Either use a calculator or look for a pattern (the sum of the first n counting numbers is $n \times (n + 1) / 2$).
- #7 Each color should come up about $1/3$ of the time.

Grade 5

- #2 Organize and count:
 - small squares
 - next largest squares (4 put together)
 - next largest squares (9 put together)
 - largest square
- #6 Use the following as guides to estimate:
math book weighs about 1 kg; mL is about 1 drop from eyedropper; 30 degrees C is comfortable room temperature; distance across US is about 5000 km
- #7 ratio can be written as 3 to 10, 3:10, or $3/10$
- #8 6% sales tax means you pay 6 cents for every dollar that you spend. Or you can multiply the dollar amount by .06