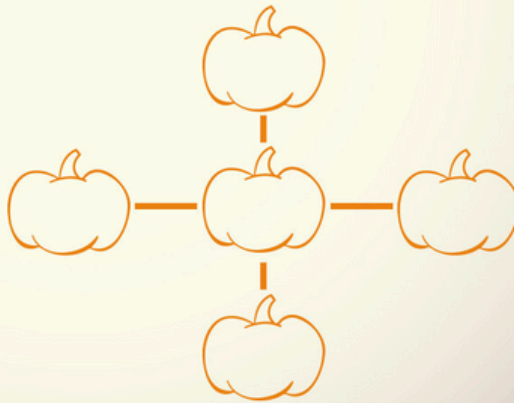


HALLOWEEN MATH PROBLEMS

Try these Halloween-themed math problems for a spooky treat!
All solutions can be found at the end of this document.

1.

Place numbers 5, 6, 10, 12, and 72 in the pumpkins below so that the product of three numbers on each line is the same.



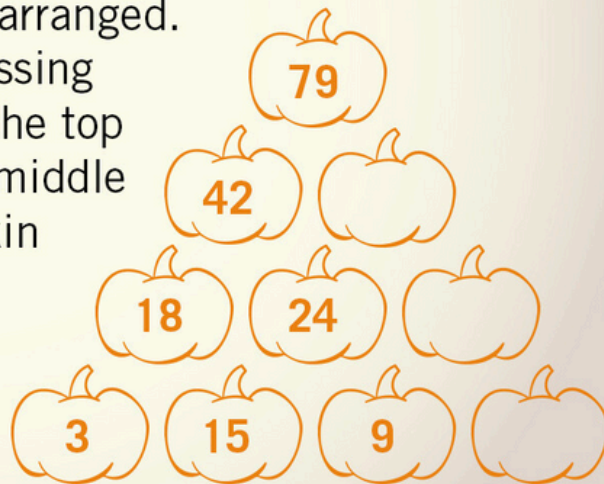
2.

A group of witches were crossing a river on broomsticks. When they tried to sit 6 witches per broomstick there was no place left for 4 of them. When they tried to sit 8 witches per broomstick they had one empty broomstick. How many witches and how many broomsticks were there?



3.

Analyze how the numbers are arranged. Fill in the missing numbers on the top and into the middle of the pumpkin pyramid!



4.

Alexandra gives $\frac{1}{2}$ her potions to Tyler, who give $\frac{2}{3}$ of what he receives to Jan, who gives $\frac{3}{4}$ of what she receives to Jerry. If each has a counting number of potions, what is the fewest number of potions that Alexandra could have started with?



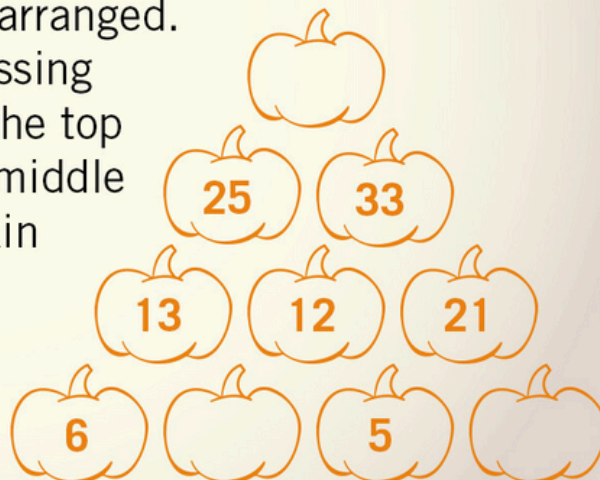
5.

Two witches are flying in opposite directions, away from each other, one with the speed of 800 mph and the other with the speed of 840 mph. How and with what speed does the distance between the witches change?



6.

Analyze how the numbers are arranged. Fill in the missing numbers on the top and into the middle of the pumpkin pyramid!



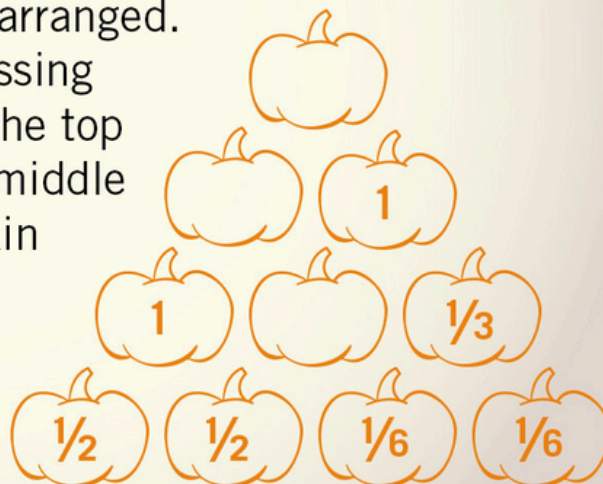
7.

Sam has twice as many potions as Jim. If Sam gives 12 potions to Jim, they will have the same number of potions. How many potions do they have altogether?



8.

Analyze how the numbers are arranged. Fill in the missing numbers on the top and into the middle of the pumpkin pyramid!



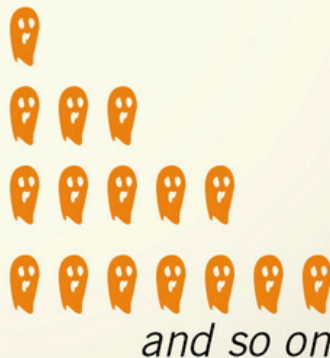
9.

Witch Jane has purchased 50 yards of red fabric and 110 yards of gold fabric to make red and gold cloaks. What is the largest number of cloaks she can make if she wants to have all the cloaks be the same length, and have no fabric left over? How many yards of each kind of fabric would be used for each cloak?



10.

Each row of 🧟s has 2 more 🧟s than the row immediately above it, as shown. Altogether, how many 🧟s are contained in the first 20 rows?



11.

Analyze how the numbers are arranged.
Fill in the missing number on the top of
the pumpkin pyramid!



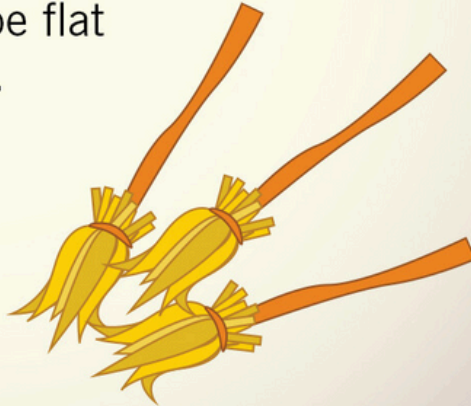
12.

A witch lives on $\frac{1}{4}$ of her farm, the area
marked "A." She decides to divide the
remaining $\frac{3}{4}$ of the farm between her 4
sons. How should
she do this if the
area and shape of
the 4 farms should
be exactly the same?
You can achieve
this by adding 8
broomsticks.



13.

Each broomstick below touches 2 other broomsticks. The challenge now is to add 3 more broomsticks so that each broomstick touches 5 other broomsticks. All broomsticks don't have to be flat on the surface.

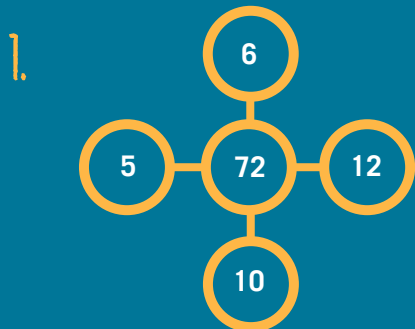


14.

In the class there are 29 witches. 17 like science, 15 like French, 8 like both. Others like math. How many like math?



SOLUTIONS

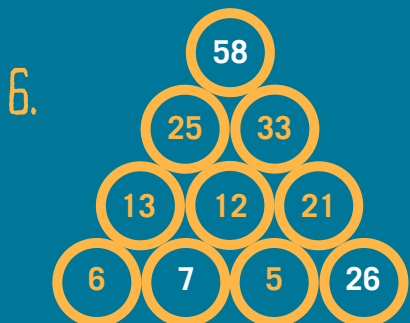


2. There were 40 witches and 6 broomsticks.



4. 12 potions.

5. Increase with a speed of 1640 mph.

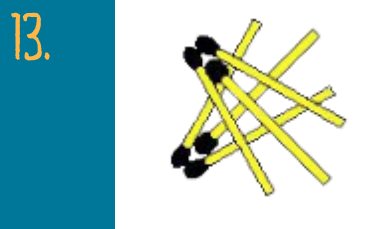
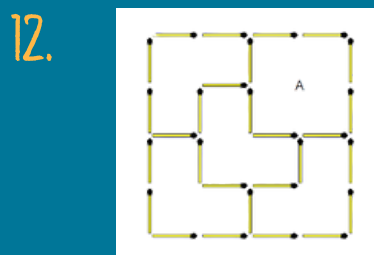
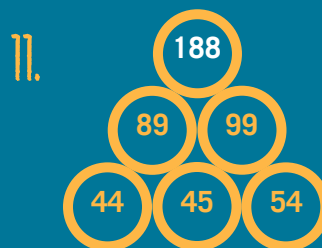


7. 72 potions.



9. The largest number of cloaks is 10.
Red fabric: 5 yards; Gold fabric: 11 yards.

10. 400 ghosts.



14. 5 witches like math.