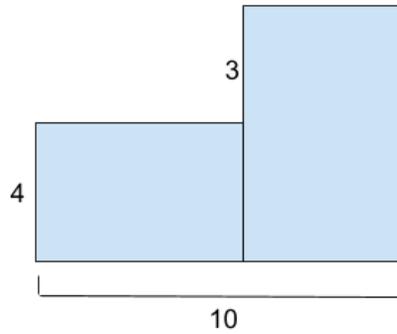


1. What is the value of $(4 - 2) \times 6 \div 3 - 2$?
2. What is the next number in the pattern: 6, 10, 8, 12, 10, 14, 12, ...?
3. On Day 1 Jeffrey watches one video, on Day 2 he watches two videos, on Day 3 he watches three videos and continues the pattern. At the end of Day 7, what is the total number of videos he has watched in all?
4. Parth is in debt of \$323. He needs to pay it off. If Parth makes \$17 dollars per month, how many months will it take to pay off his debt?
5. If Parth's height is 5 feet 5 inches, how tall is he in inches?
6. Yesterday, Abhinav had some money. Today is his birthday, so he gets 3 quarters for his birthday, and his mom gives him an additional 7 nickels for his weekly allowance. He ends up with \$2.45. Find the amount of money he had yesterday.
7. The length and width of a rectangle are 2 and 3 respectively. Find the increase in the area of the rectangle if the length and width are increased by 6.
8. Jason reaches school on a normal day in 15 minutes, with no traffic lights. For each traffic light he gets stuck on, he reaches school 4 minutes later. If Jason gets stuck on 3 traffic lights today, and leaves from his house at 7:50, at what time will he reach school?
9. Vanessa, Joe, and Jeffrey all have shapes in their hands. Vanessa has a triangle and Joe has an octagon. Vanessa says, if I add the number of sides in my shape and Jeffrey's shape, then I will get the number of sides in Joe's shape. What is Jeffrey's shape called?
10. Eric loves numbers that are divisible by both 4 and 6. He calls these numbers special numbers. What is the second smallest positive special number?
11. What is the remainder when 250 is divided by 7?
12. Anna buys 4 apples for \$3 and 2 pears for \$1. Given that each apple costs the same and each pear costs the same, how much does it cost her (in dollars) to buy 1 apple and 1 pear?
13. In how many distinct ways can you arrange the letters of SBMT (they do not have to form a word)?
14. The distance between Naomi's house and Becky's house is 60 miles. If on the way to Becky's house, Naomi drives at a constant rate of 60 mph, and on the way back she drives at a constant rate of 45 mph, how long does it take her in minutes to drive to Becky's house and back?
15. It takes 8 workers from the BetaBuilders company to build a wall in 8 hours. How long does it take 4 workers from CharcoalChamps to build the same wall, if they work four times as fast as the BetaBuilder's and workers from the same company work at the same rate?
16. Bob is a teacher at Mathematics Elementary School. He has a class of 30 students. He wishes to split the class into equally sized groups (there must be AT LEAST 2 groups and a group can consist of one person). What is the sum of all the possible group sizes?
17. At Thomas Jefferson Elementary School, there are 100 students. 70% of them are girls. $\frac{2}{5}$ of the girls wear glasses, while $\frac{3}{5}$ of the boys wear glasses. How many students in total wear glasses?
18. Farmer Jason's pen is made out of two rectangles next to each other as shown below (see back) with the specified lengths. Find the perimeter of Farmer Jason's pen.



19. Rick is taking a 6 problem true/false test that he has not prepared for. Before the test, his teacher tells him that there are either 0 or 3 problems with "True" as answers. What is the maximum amount of problems Rick can guarantee to correctly solve using his teacher's information?
20. Parth and Andy both attended math class on Friday. Since then, Parth has attended class once every 15 days, and Andy has attended once every 18 days. What is the soonest day of the week that Parth and Andy will both attend the same class again?
21. Which of the following three fractions is the largest: $\frac{2}{5}$, $\frac{9}{25}$, or $\frac{7}{15}$?
22. At Math Point High School, there are a total of 60 students. $\frac{3}{4}$ of students like chocolate ice cream, $\frac{3}{5}$ of students like vanilla ice cream, and $\frac{1}{6}$ of students do not like either. Find the number of students who like both chocolate and vanilla ice cream.
23. There are 25 animals on the farm. The animals consist of cows, pigs, and chickens. Farmer John counts 78 legs on his animals. Find the total number of chickens on the farm.
24. What is the units digit of 3^{99} ?
25. Four different circles and two different lines are drawn on a piece of paper. What is the greatest possible number of intersections in the diagram?