

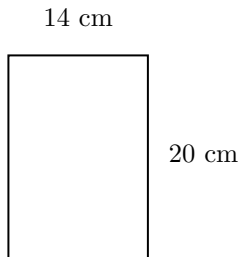
Name: _____
School: _____

Middle Individual 2018

St. Paul's Tournament

1. At 10 : 15 A.M. Brennan glanced at the clock. His doctor's appointment was in 2.5 hours. At what time was his appointment?

2. What is the perimeter of this rectangle:



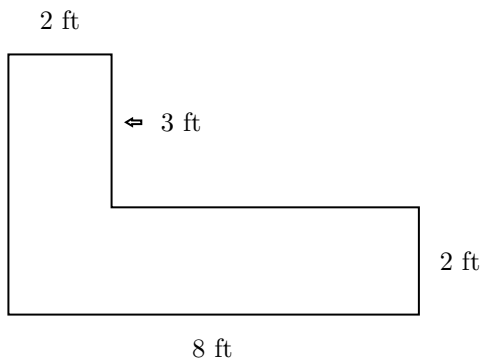
3. Jacob could run 7 miles in 1 hour. At that rate, how many miles could Jacob run in 3 hours?

4. How many quarter-pound hamburgers can be made from 100 pounds of ground beef?

5. $\frac{1}{3} \div \frac{2}{5}$

6. $\frac{5}{12} + \frac{3}{20}$

7. What is the area of this polygon:



8. There were 13 original states. There are now 50 states. What fraction of the states are NOT the original states?
9. Adam's age is $\frac{1}{5}$ of her dad's age. If her dad is 60 years old, how old is Adam?
10. $3.2 \overline{)19.52}$
11. A square has an area of 64 m^2 . What is the length of one side of the square?
12. Rewrite 987,654,321 rounded to the hundred-thousands place.
13. In an auditorium, there are 15 rows with 24 chairs in each row. How many chairs are in the auditorium?
14. What is the next number in the pattern? 13, 16, 19, 22, _____
15. In the quadrilateral below, find the measurement in degrees for x ?

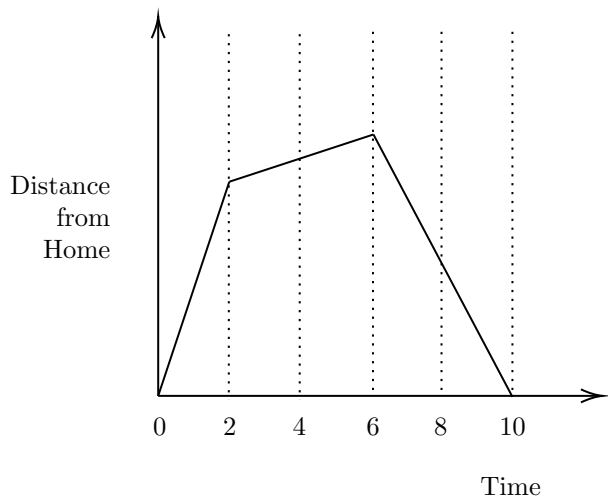


16. Solve the following equation:
 $R + 9 = 15$

17. Convert the following fraction to a decimal: $\frac{63}{16}$

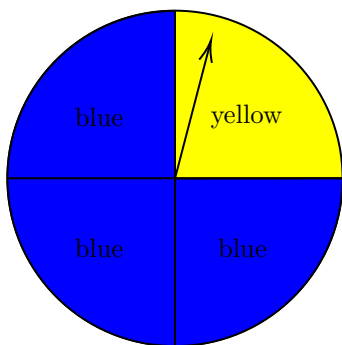
18. $3 + 4(8 - 5) \div 6$

19. The graph below shows how far Sarah is from home as she travels to and from the grocery. The time she walks is given in minutes. What time is she farthest away from home?



20. You received the following scores on your math tests: 95, 83, 92, 74, 100
Find your average score in the math class. Round your answer to the nearest whole number.

21. What is the probability the spinner lands on yellow?



22. Evaluate $5z - 9y + 12 - 3x$ for $x = 3$, $y = \frac{1}{3}$, and $z = 2$

23. Jill is on page 42 of a 180-page book. If she must finish the book in three days, then she needs to read an average of how many pages each day? Round your answer to the nearest whole number.
24. What is the least common multiple of 15, 9, and 6?
25. Find the total price of your restaurant bill if you purchase 2 drinks at \$3.50, 2 entrees at \$12.00, and leave a 15% tip. Tax is included in the price of the meal.

Answers

1. 12 : 45 P.M.
2. 68 cm
3. 21 miles
4. 400
5. $\frac{5}{6}$
6. $\frac{17}{30}$
7. 22 feet²
8. $\frac{37}{50}$
9. 12 years old
10. 6.1
11. 8
12. 987, 700, 000
13. 360
14. 25
15. 126°
16. $R = 6$
17. 3.9375
18. 5
19. 6 minutes
20. 89
21. $\frac{1}{4}$
22. 10
23. 46 pages
24. 90
25. \$17.83