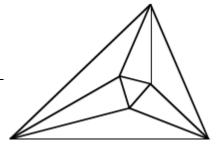
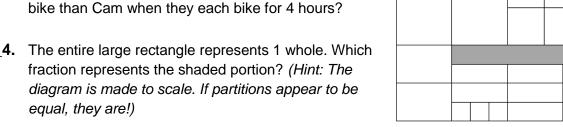
Meet 1 - Team Event 2019-20



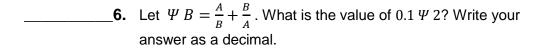
Questions are worth 4 points each.

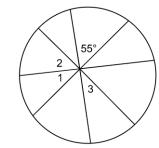
No calculators allowed

- _____**1.** Evaluate: $\sqrt{81+144}$
- **2.** Let $m \phi n = m + n mn$. What is the value of $7 \phi (1 \phi 10)$?
- mi 3. Teri bikes 50 miles in 2 hours. Cam bikes 36 miles in 3 hours. At these rates, how many more miles will Teri bike than Cam when they each bike for 4 hours?

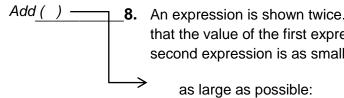


5. A café has 8 soups, 14 sandwiches, and 7 drinks on its menu. Each day, the café offers a different combination of a soup, a sandwich, and a drink as its daily special. For how many days could the café offer a different daily special before it would have to repeat a previous daily special?





7. A circular diagram is shown. In the diagram, angles 1 and 2 are complementary. What is the measure, in degrees, of angle 3?



8. An expression is shown twice. Add **one pair** of parentheses to **each** expression so that the value of the first expression is as large as possible and the value of the second expression is as small as possible.

as large as possible:
$$7-4\times8-2+5$$

as small as possible:
$$7 - 4 \times 8 - 2 + 5$$

- _____^{mi}/_{min} **9.** A vehicle is traveling 45 miles per hour. What is the vehicle's speed in miles per minute?
- ______**10.** How many different 3-digit numbers can be formed using the digits 2, 4, and 7 if no digits appear more than once?

Name______ School_____