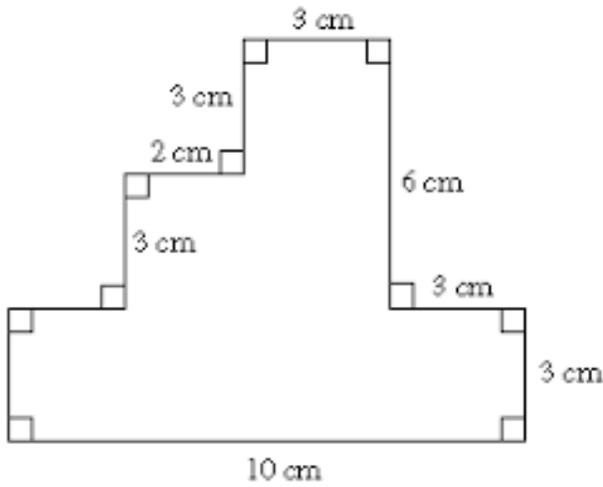


HW 24

5

Find the perimeter and the area of the following shape. Try to use the most optimal way to calculate. Show your work. Don't forget about units!

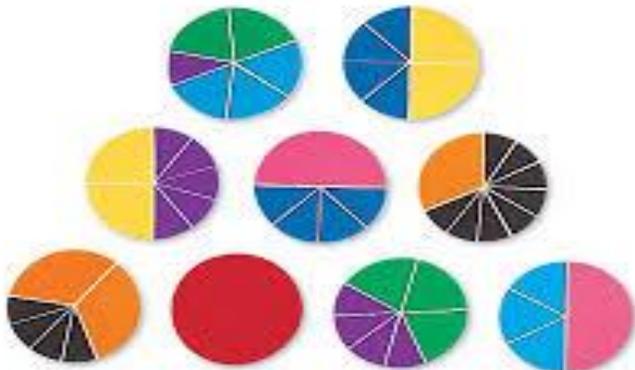


Perimeter = _____

Area = _____

6

There are 9 circles on the picture below. Find the fractions shaded by each color:



Example: Circle #1 – the circle is divided into 6 parts - $\frac{3}{6}$ or $\frac{1}{2}$ of the circle is blue; $\frac{1}{6}$ of the circle is purple and $\frac{2}{6}$ or $\frac{1}{3}$ is green.

Circle # 2 _____

Circle # 3 _____

Circle # 4 _____

Circle # 5 _____

Circle # 6 _____

Circle # 7 _____

Circle # 8 _____

Circle # 9 _____

HW 24

12

Write the answer for each question:

- a) There are total 40 kg of apples packed in 8 identical bags (equal amount in each)
- How many kgs are in each bag? _____
 - How many kgs of apples are in x such bags? _____
- b) There are a kgs of apples packed by in b bags
- How many kgs are in each bag? _____
 - How many bags would you need to pack q kgs of apples? _____
- c) A train traveled 200 km at an even speed for 5 hours.
- How many km the train covered in one hour? _____

How many hours would be needed to cover 1000 km? _____

To simplify a fraction (reduce it to lowest terms), the numerator and the denominator must be divided by the same nonzero whole number. A fraction is in lowest terms when the greatest common factor (GCF) of its numerator and denominator is one.

13

Reduce the following fractions to the lowest term:

a) $\frac{20}{60} =$

b) $\frac{24}{72} =$

c) $\frac{25}{200} =$

14

Compare the fractions below. Use the symbols $>$, $=$, or $<$ to record your comparisons. Draw a picture if you need to illustrate your answer.

a) $1/8 \dots 3/8$

b) $3/10 \dots 9/10$

c) $3/4 \dots 1/4$