

Oak Grove Math Superstars

Due Dates:



Session	Last Monday of
1	September
2	October
3	November
4	January
5	February
6	March

Grade 4

Session 4 - Answers

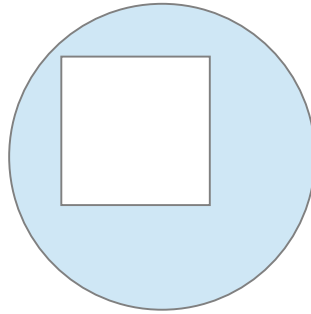
(50 points total; 10 points deducted if late)

● = easier ●● = harder ●●● = hardest

- Use the appropriate $>$, $<$, or $=$ sign. (1 point each, 1 extra point if all four are correct) ●
 - $.05 \text{ } < \text{ } 1/10$
 - $1/3 \text{ } < \text{ } 2/5$
 - $69/2 \text{ } > \text{ } 30$
 - $2/3 \text{ } = \text{ } 4/6$
- Talullah has saved a twenty dollar bill, 155 quarters, 22 dimes, 77 nickels, and 593 pennies. How much money does she have? (5 points) ●
 $20.00 + 38.75 \text{ (quarters)} + 2.20 \text{ (dimes)} + 3.85 \text{ (nickels)} + 5.93 \text{ (pennies)} = 70.73$
- Daylight savings time ended on November 2nd. How many hours and minutes were there between the afternoon announcements at 2:20 pm on Friday, October 31st and the morning announcements at 7:45 am on Monday, November 3th? (5 points) 66 hours 25 minutes
- There are 26 students in Ms. Koepke's class. They are doing a science experiment with filter paper.
 - If there are 163 pieces of filter paper, how many pieces does each student have if the paper is divided evenly? 6 pieces each (3 points) ●
 - How many pieces are left over? 7 pieces left over (2 points) ●
- The pet store has 39 animals in its store: 7 dogs, 4 cats, 14 birds, 3 turtles, 3 snakes, 2 giant lizards, 1 pot-bellied pig, and 5 spiders. How many total legs does this add up to? (5 points) ●
 $28 + 16 + 28 + 12 + 0 + 8 + 4 + 40 = 136$
- Solve the following expression: $\frac{3}{4} + 6.5$.
 Write the answer as a decimal and fraction: (2 points each, 1 point if both are correct) ●●
 - decimal 7.25
 - fraction $\frac{29}{4}$

7. Mrs. Gray's bathroom measures 6 ft. by 10 ft. She wants to cover the floor with square tiles. The sides of the tiles are 6 inches. How many tiles will Mrs. Gray need? (5 points) ●● 240

8. In session 2, we learned about pi. The formula to calculate the area of a circle is $\pi (3.14) \times r^2$. The radius of the circle below is 5 yards. The sides of the non-shaded square are 4 yards.



a) what is the area of the circle? (5 points) ●● 78.5 square yards

b) what is the area of the shaded part of the circle? (5 points) ●●● 62.5 square yards

9. November 8 is on a Wednesday. Gary's birthday is in November. This year his birthday is on a weekend. The date has two digits. You say the date when you count by twos. The sum of the digits is 8. What is the day and date of Gary's birthday? (5 points) ●●● Sunday the 26th