Grace Brethren Christian School Entering Math 65

Student's Name _____

Summer Packet for students entering Math 65 - 5th Grade
Show all work
No credit will be given unless work is shown for all math problems.
This packet is to be completed gradually throughout the summer
for it to be most beneficial.

1. $93 + (8 \times 6)$

2. $300 - (15 \times 5)$

3. $\$28 - (\$23.37 + 49¢)$

4. There were two sticks with three marshmallows on each stick. How many marshmallows were there in all?

5. There was a concert in the park to raise funds for a new playground. Tickets cost five dollars each. If 113 people attended the concert, how much money did the event raise?

6. Juliet searched 9 weeks for Romeo. For how many days did she search?

7. A swimmer is practicing laps. She can swim a lap in four minutes. If she swims for sixteen minutes, how many laps will she do?

8. Every fifth car in the parking lot was from out of state. There were thirty-five cars in all. How many cars were from out of state?

9. Neville is decorating for a school dance. He has 144 balloons to divide into bouquets of six balloons each. How many bouquets can Neville make?

10. Compare: $\frac{1}{2} \bigcirc 10\%$

11. Compare: 25% of $24 \bigcirc 5 \times 4$

12. Compare these fractions. Shade two circles to show the fractions.

$\frac{2}{4} \bigcirc \frac{1}{3}$

13. $\begin{array}{r} 397 \\ \times\ \ 8 \\ \hline \end{array}$

14. 6×613

15. $\begin{array}{r} 228 \\ \times\ \ 8 \\ \hline \end{array}$ [A] 1,824 [B] 1,664 [C] 1,724 [D] 1,764

16. $8\overline{)756}$ [A] 98 [B] 94 [C] 94 R 8 [D] 94 R 4

17. $8\overline{)\$2.48}$

18. $5\overline{)3000}$

19. Round 3155 to the nearest thousand. Round 7369 to the nearest thousand. Find the sum of the two rounded numbers.

20. Round 6,428 to the nearest thousand.

[A] 1,000 [B] 6,400 [C] 6,000 [D] 6,430

21. William arranged 47 chairs in 5 rows as evenly as possible.
(a) How many rows had exactly 9 chairs?
(b) How many rows had 10 chairs?

22. Masha arranged 32 chairs in 5 rows as evenly as possible.
(a) How many rows had exactly 6 chairs?
(b) How many rows had 7 chairs?

[A] (a) 6 rows (b) 3 rows [B] (a) 3 rows (b) 2 rows [C] (a) 5 rows (b) 2 rows [D] (a) 3 rows (b) 1 row

23. What fraction is equal to the decimal number 0.2?

24. What decimal matches the shaded part of this rectangle?

[A] 4 [B] 0.04 [C] 4.6 [D] 0.4

25. If four sixths of the 24 chipmunks in the forest were tan, how many were tan?

26. One eighth of the team's 152 points were scored by Paul. Paul scored how many points?

[A] 14 points [B] 20 points [C] 152 points [D] 19 points

27. On Monday Bridget worked 7 hours, on Tuesday she worked 8 hours, and on Wednesday she worked 9 hours. What is the average number of hours she worked per day?

28. Write $2\frac{30}{100}$ as a decimal number.

29. Write $7\frac{6}{10}$ as a decimal number. [A] 7.06 [B] 7.6 [C] 6 [D] 70.06

30. The improper fraction $\frac{23}{12}$ equals what mixed number?

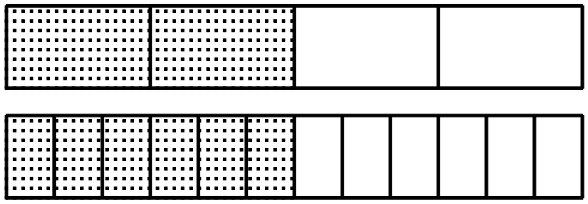
31. The improper fraction $\frac{19}{12}$ equals what mixed number?

[A] $\frac{1}{2}$ [B] $\frac{7}{12}$ [C] $1\frac{1}{2}$ [D] $1\frac{7}{12}$

32. $\frac{2}{5} + \frac{2}{5}$

33. $\frac{8}{11} - \frac{2}{11}$

34. The figures are shaded to show 2 equivalent fractions.



Which of these is equivalent to $\frac{2}{4}$?

[A] $\frac{6}{12}$ [B] $\frac{2}{12}$ [C] $\frac{3}{12}$ [D] $\frac{2}{6}$

Reduce:

35. $\frac{2}{6}$

36. (a) $\frac{4}{6}$ (b) $\frac{20}{24}$

37. $40\overline{)967}$

38. $\begin{array}{r} 178 \\ \times\ 35 \\ \hline \end{array}$

39. Find four fractions equal to $\frac{9}{2}$ by multiplying $\frac{9}{2}$ by $\frac{3}{3}, \frac{4}{4}, \frac{5}{5}$, and $\frac{6}{6}$.

40. Find four fractions equal to $\frac{8}{3}$ by multiplying $\frac{8}{3}$ by $\frac{2}{2}$, $\frac{3}{3}$, $\frac{4}{4}$, and $\frac{5}{5}$.

[A] $\frac{16}{12}, \frac{24}{18}, \frac{32}{12}, \frac{40}{30}$ [B] $\frac{32}{6}, \frac{48}{9}, \frac{64}{12}, \frac{40}{15}$

[C] $\frac{17}{6}, \frac{23}{9}, \frac{33}{12}, \frac{39}{15}$ [D] $\frac{16}{6}, \frac{24}{9}, \frac{32}{12}, \frac{40}{15}$

41. $44\overline{)297}$

42. $7\frac{2}{5} - 5\frac{1}{5}$

43. $12\frac{4}{7} + 8\frac{3}{7}$

44. $\frac{5}{6} = \frac{?}{42}$

45. Write fractions equal to $\frac{1}{2}$ and $\frac{1}{9}$ with denominators 18.

46. Rename $\frac{3}{4}$ and $\frac{4}{6}$ so that they have a common denominator.

[A] $\frac{3}{6}, \frac{4}{6}$ [B] $\frac{4}{10}, \frac{6}{10}$ [C] $\frac{9}{12}, \frac{8}{12}$ [D] $\frac{3}{12}, \frac{2}{12}$

47. $3\frac{3}{5} + 1\frac{3}{10}$

48. $\frac{1}{2} + \frac{3}{10}$

49. $\frac{4}{5} - \frac{7}{10}$

50. $\frac{1}{4} - \frac{1}{8}$ [A] $\frac{1}{8}$ [B] $\frac{3}{8}$ [C] $\frac{1}{4}$ [D] $\frac{0}{4}$