

Summer Pre-Requisite Skills Practice 2 (Incoming grade 6 students) **NAME** _____

Show all your work in the space provided. **Circle** your answer. **Do not** use a calculator.

Factors and Multiples

1.	Find the greatest common factor of 12, 60.
2.	Find the least common multiple of 3,5,7.
3.	Find the greatest common factor of 21, 24, 27.

Need help? <https://www.khanacademy.org/math/cc-fourth-grade-math/cc-4th-fact-mult-topic>

Rounding

4.	Round 24.589 to the nearest whole number.
5.	Round 39.98 to the nearest tenth.
6.	Round 24.34 to the nearest hundredth.

Need help? <https://learnzillion.com/lessons/3522-round-decimals-to-any-place>

Simplifying Fractions

7.) $\frac{81}{9}$

8.) $\frac{4}{36}$

9.) $\frac{25}{30}$

Need help? http://www.mathplayground.com/howto_fractions_reduce.html

Order of Operations

Simplify: 10.) $3 \cdot [3 + (10)] - 3^2$

11.) $15 - [24 \div 4 \cdot 2]$

12.) $15 - 24 \div (4 \cdot 3 - 6)$

Need help? <http://study.com/academy/lesson/order-of-operations.html>

Add/Subtract Fractions

13.) $\frac{2}{15} + \frac{4}{15} =$

14.) $\frac{7}{2} + \frac{3}{8} =$

15.) $\frac{11}{5} - \frac{6}{7} =$

Need help? http://www.mathplayground.com/howto_fractions_diffden.html

Two-digit multiplication without a calculator

16.)

$$\begin{array}{r} 57 \\ \times 92 \\ \hline \end{array}$$

17.)

$$\begin{array}{r} 85 \\ \times 31 \\ \hline \end{array}$$

18.)

$$\begin{array}{r} 79 \\ \times 46 \\ \hline \end{array}$$

Need help?

https://www.khanacademy.org/math/arithmetic/multiplication-division/multi_digit_multiplication/v/multiplication-5-2-digit-times-a-2-digit-number

Place Value

19.) What is the value of the 6 in the number **5,683,238**?

20.) How many times larger is the value of the first 3 than the value of the second 3 in the number **5,683,238**?

21.) How many times smaller is the value of the second 8 than the value of the first 8 in the number **5,683,238**?

Need help? <https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-place-value-decimals-top>

Add/Subtract Decimals

22.) $8.13 - 2.716 =$

23.) $\$58 - \$12.09 =$

24.) $39.2 + 91.05$

Need help? <https://learnzillion.com/lessonsets/189-adding-and-subtracting-decimals-to-hundredths>

****I had difficulty with the following questions (circle all that apply):**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

****After looking at the tutorials, I am still having trouble with the following (check all that apply):**

- Factors and Multiples (#1-3)
- Rounding (#4-6)
- Simplifying Fractions(#7-9)
- Order of Operations (#10-12)

- Add/Subtract Fractions (#13-15)
- Two-digit multiplication (#16-18)
- Place Value (#19-21)
- Add/Subtract Decimals (#22-24)