

Summer Pre-Requisite Skills Practice 3 (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.	What are the common factors of 36 and 48?
2.	Find the greatest common factors of 8 and 32.
3.	Find the least common multiple of 6 and 15.

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

Rounding

4.	Round 4.6821 to the nearest thousandth.
5.	Round 3094.717 to the nearest hundredth.
6.	Round 4444.826 to the nearest hundred.

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

Simplifying Fractions

7.)	8.)	9.)
$\frac{21}{30}$	$\frac{60}{80}$	$\frac{3}{27}$

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

Order of Operations

Simplify: 10.) $8 \times [40 - (5 + 3)]$ 11.) $(3 + 2)^2 \times 6 - 1$ 12.) $2\frac{2}{3} \times 4\frac{1}{2} - 5 + 3 \times 3$

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

Add/Subtract Fractions

13.)

$$\frac{5}{9} - \frac{2}{9} =$$

14.)

$$\frac{2}{10} - \frac{1}{5} =$$

15.)

$$\frac{6}{10} + \frac{8}{6} =$$

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

Two-digit multiplication without a calculator

16)

$$\begin{array}{r} 58 \\ \times 64 \\ \hline \end{array}$$

17)

$$\begin{array}{r} 68 \\ \times 19 \\ \hline \end{array}$$

18)

$$\begin{array}{r} 32 \\ \times 93 \\ \hline \end{array}$$

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**?

20.) Which has a higher value - the second or the fourth 5 in the number **5,555,238**?
How many times larger is its value?

21.) How many times smaller is the value of the last 5 than the value of the first 5 in the number **555,555**?

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

Add/Subtract Decimals

22.) $\$28 - \$5.59 =$

23.) $9.242 + 0.87 =$

24.) $40.4 - 6.375$

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)