

Summer Pre-Requisite Skills Practice (Incoming grade 7 students) **NAME** _____

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

Please look at the school website under Academic & Student Programs during mid-July and August for practice sets number 2 and 3.

In Exercises 1-4, perform the indicated operation. Write your answers as mixed numbers in simplest form.

1. $2\frac{2}{5} \times 2\frac{2}{9}$	2. $3\frac{7}{8} + 2\frac{1}{2}$
3. $9\frac{4}{9} - 5\frac{2}{3}$	4. $5\frac{3}{5} \div 2\frac{1}{10}$

Need help?

<https://learnzillion.com/lessonsets/216-add-and-subtract-fractions-with-unlike-denominators>

<https://learnzillion.com/lessons/215-multiply-mixed-numbers-by-renaming-factors>

<https://learnzillion.com/lessons/3362-multiply-mixed-numbers-by-mixed-numbers-using-visual-representations>

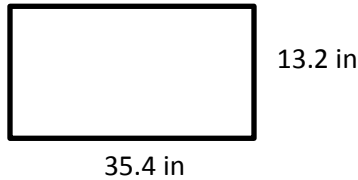
5. Round 34.725 to the nearest hundredth. _____
6. Round 0.4029 to the nearest tenth. _____
7. Round 3.69 to the nearest tenth. _____

Need help?

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

8. Find the perimeter **and** area of the figure below.

Perimeter _____ Area _____



Need help?

<https://learnzillion.com/lessons/1164-find-the-perimeter-of-a-square-or-rectangle-by-adding-side-lengths>

<https://learnzillion.com/lessons/2535-find-the-area-of-a-rectangle-using-the-standard-formula>

9. Simplify: $24 \div 4 \cdot 2 - 6$

10. $18 - 10 + 4 \div 2$

11. $8^2 - 16 + 4$

Need help?

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

Multiply. Solve using mental math. Do not write out any work.

12. $\frac{1}{3}$ of 12 _____

13. $\frac{2}{5}$ of 15 _____

14. $\frac{1}{2}$ of 28 _____

15. $\frac{2}{3}$ of 15 _____

16. $\frac{1}{6}$ of 12 _____

17. $\frac{3}{4}$ of 24 _____

18. $\frac{1}{9}$ of 456 _____

19. $\frac{1}{4}$ of 48 _____

20. $\frac{3}{5}$ of 40 _____

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

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

- Multiplication of mixed numbers (#1)
- Addition of mixed numbers (#2)
- Subtraction of mixed numbers (#3)
- Division of mixed numbers (#4)
- Rounding (#5-7)

- Perimeter (#8)
- Area (#8)
- Order of operations (#9-11)
- Fractions mental math (#12-20)