APS Math Summer Skills Practice

Name: _____

Course Enrolled for School Year 26-27: _____

Student Directions

Purpose: This summer practice is designed to help you review important skills and concepts that will prepare you for success in your upcoming math course.

You are not required to complete the summer practice in one session. You may break up the packet and complete pieces throughout the summer.

These are practice problems designed to help students retain and reinforce key skills to support success in the next course.

Work Expectations:

- You are expected to **show all work** for each problem unless otherwise stated.
- Work should be neat and organized so your thinking is clear.

Note: An answer key is provided for you to check your work.

1. Simplify: $\frac{28}{30}$

2. Simplify: $\frac{63}{81}$

3. Simplify: $\frac{16}{54}$

4. Convert $6\frac{3}{4}$ into an improper fraction.

5. Convert $3\frac{3}{4}$ into an improper fraction.

6. Convert $\frac{23}{4}$ into a mixed number.

7. Convert $\frac{13}{2}$ into a mixed number.

8. Which comparison is **CORRECT**?

A. $\frac{5}{6} > \frac{3}{4}$

B. $\frac{3}{6} = \frac{5}{9}$

C. $\frac{3}{6} = \frac{3}{4}$

D. $\frac{6}{7} = \frac{3}{4}$

9. Which comparison is **CORRECT**?

A. $\frac{7}{8} < \frac{2}{3}$

B. $\frac{5}{12} = \frac{2}{4}$

C. $\frac{5}{10} > \frac{2}{8}$

D. $\frac{1}{2} = \frac{3}{4}$

10. Write the numbers below in order from least to greatest. Use commas to separate.

2.57	2.08	2.40	2.04	2.79	2.7

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11. Write the numbers below in order from least to greatest. Use commas to separate.

0.6	0.05	0.30	0.69	0.03	0.46

12. Complete the standard long division algorithm for $143 \div 12$. Write your final answer in remainder form.

$$12\overline{)1\ 4\ 3}$$

13. Complete the standard long division algorithm for $552 \div 14$. Write your final answer in remainder form.

$$14\overline{)5\ 5\ 2}$$

14. Perform the operation below. Express your answer as a mixed number in simplest form.

$$1\frac{2}{5} + 4\frac{1}{2}$$

15. Perform the operation below. Express your answer as a mixed number in simplest form.

$$3\frac{2}{3} - 1\frac{1}{5}$$

16. Perform the operation below. Express your answer as a mixed number in simplest form.

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

17. Simplify the expression below using order of operations.

$$2 \div 2 \times (8 + 2)$$

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18. Simplify the expression below using order of operations.

$$4 + 10 \times 9 \div 1$$

19. Simplify the expression below using order of operations.

$$4 \times 7 + (9 - 5)$$

20. Round 6.463 to the nearest tenth.

21. Round 5.968 to the nearest tenth.

22. Round 5.7574 to the nearest hundredth.

23. Round 7.7798 to the nearest hundredth.

24. Round 5.7 to the nearest whole number.

25. Round 6.1 to the nearest whole number.

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