

Name _____

Date _____

I math

Congratulations on **entering 7th grade!** In order to keep your math skills up-to-date, you will need to complete this math packet over the summer. This will be the first grade in math.

Keep in mind:

- This packet is **graded** for completion with effort.
- **Do not** use any type of calculator to *complete* the work. You may use your calculator to *check* your work. Please be honest.
- If you are stuck, ask a family member for help but be sure to do the work yourself.
- There are reminder pages in the packet. If they still don't help, look up math sites or videos on YouTube. *Mashup Math*, *Khan Academy*, *Math is Fun*, and *Math Antics* are some good sites to use.
- **SHOW ALL WORK.**

Find the sum. Show your work. Write your answer in simplest form and circle it.

1) $\frac{11}{28} + \frac{4}{7}$

2) $\frac{9}{10} + \frac{13}{20}$

3) $4\frac{15}{16} + \frac{3}{4}$

Find the difference. Show your work. Write your answer in simplest form and circle it.

4) $\frac{21}{24} - \frac{3}{8}$

5) $9\frac{1}{6} - 4\frac{1}{12}$

6) $12\frac{18}{25} - 8\frac{4}{5}$

Find the product. Show your work. Write your answer in simplest form and circle it.

7) $\frac{7}{8} \cdot \frac{8}{9}$

8) $2\frac{1}{2} \cdot \frac{2}{5}$

9) $8\frac{4}{5} \cdot 1\frac{5}{11}$

Find the quotient. Show your work. Write your answer in simplest form and circle it.

10) $\frac{3}{4} \div \frac{9}{12}$

11) $\frac{6}{7} \div 3$

12) $3\frac{2}{3} \div 1\frac{1}{7}$

Find the sum or difference. Show your work. Circle your answer.

13) $3.91 + 1.93$

14) $8.4 - 6.8$

15) $12.9 - 2.043$

16) $3.29 + 16.987$

Find the product or quotient. Show your work. Circle your answer.

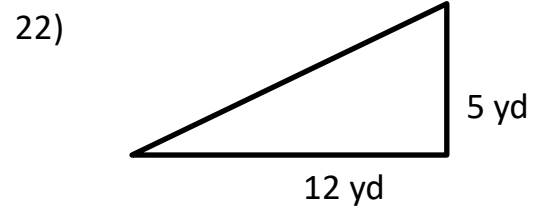
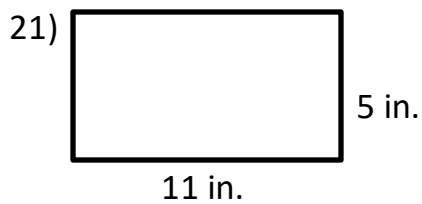
17) $(14.1)(2.7)$

18) 91×4.5

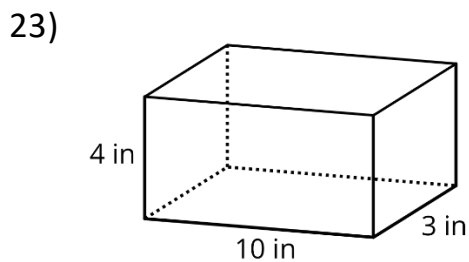
19) $7 \div 8$

20) $68 \div 3.4$

Find the area. Use 3.14 for π . Remember your label and circle your answer.



Find the volume. Show your work. Remember your label and circle your answer.



Solve for the given variable like Mrs. Stout taught you. Show your work. Circle your answer.

24) $x + 18 = 32$

25) $\frac{b}{6} = 12$

26) $12 = r - 76$

27) $6 = 2m$

28) $w + 65 = 100$

29) $\frac{p}{22} = 7$

30) $t - 8 = 14$