

Name_____

Date_____



Congratulations on **entering 8th 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.
- 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 or difference. Show your work. Circle your answer.

1) $-80 + 77$

2) $-64 + (-33)$

3) $6 + (-35)$

4) $185 - (-154)$

5) $-53 - (-59)$

6) $-105 - 122$

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

7) $\frac{90}{-6}$

8) $-194 \div (-2)$

9) $-15 \cdot 24$

10) $-7(-2)$

Evaluate the numerical expression using the order of operations. Show your work. Circle your answer.

11) $5 + (-6) \cdot 3 + (-2)$

12) $-10 \div (-2) - 1 \cdot 7$

Find the sum, difference, product, or quotient. Show your work. Circle your answer.

13) $38.61 + 36.841$

14) $0.71 \cdot 9.2$

15) $3.651 - (-12.63)$

16) $-17.6 \cdot 4.3$

17) $15\frac{1}{2} + 12\frac{3}{4}$

18) $5 \cdot (-1\frac{2}{5})$

19) $5\frac{3}{4} - 3\frac{7}{8}$

20) $-3\frac{1}{2} \div 1\frac{3}{7}$

Solve each equation. Show your work. Circle your answer.

21) $19 + j = -34$

22) $m - 26 = 13$

23) $\frac{x}{5} = -3$

24) $g - (-31) = -7$

25) $-4w = -280$

$$26) 5m - 3 = 27$$

$$27) 7 + \frac{b}{2} = -3$$

$$28) 4 + 3r = -8$$

$$29) -8 + 4m = 2$$

$$30) \frac{1}{2}p - 4 = 7$$

Solve each proportion. Show your work. Circle your answer.

$$31) \frac{5}{7} = \frac{c}{14}$$

$$32) \frac{6}{8} = \frac{21}{b}$$

$$33) \frac{16}{7} = \frac{18}{g}$$

Solve each percent problem. Circle your answer.

34) Find 15% of 85.

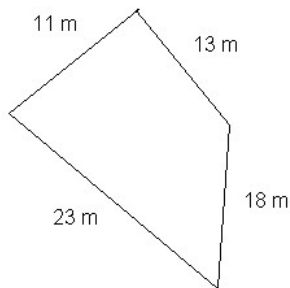
35) 6 is 75% of what number?

36) A \$58 camera is on sale for 20% off.
Find the sale price.

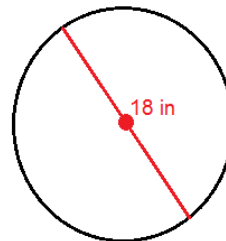
37) Find the total price of a \$14 shirt
including the 7% sales tax.

Find the perimeter or circumference. Use 3.14 for π .

38)



39)



Find the volume.

40)

