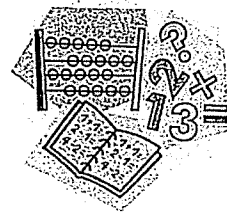


Summer Math Packet for Incoming Sixth Graders!

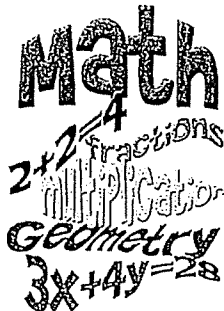


Dear Parents,

This math packet has been created to help students retain the necessary math concepts and skills they have learned this school year. This packet contains practice problems that will help review, maintain, and reinforce these concepts and skills, whether they were introduced, developed, or mastered. Parent participation and guidance is encouraged. Please initial the bottom of each page that you review with your child. The summer math packet is to be completed throughout the whole summer. It is not meant to be completed in a few days, or right before school starts. Students will benefit more from completing a bit at a time. When the students return in the fall, they should submit their summer math packet to the sixth grade math teacher for a grade. This will help them to be MA^THTASTIC!

Have a blessed, fun, and safe summer!

Mrs. Tuohey



Name _____

Use the order of operations. Evaluate each expression.

1 $(17 \times 2) \div (16 \div 8)$ 2 $(25 - 1) + (7 \times 2)$ 3 $(5 \times 5) \times (6 - 2)$ 4 $8 \times 8 - 9 \times 7$

5 $(4 \times 8) - (9 + 7)$ 6 $(2 \times 8) - 9 + 7$ 7 $426 \div 3 \times 10$ 8 $183 - 3 \times 50$

9 $56 + 4 \times 6$ 10 $178 - (3 \times 9)$ 11 $5 \times (20 - 3) + 8$ 12 $49 \div 2 + 5$

13 $4 \times 8 + (19 - 3)$ 14 $190 \div 2 - 2$ 15 $76 + 14 \times 2$ 16 $24 \times 4 \div 2 \times 3$

17 $56 - (5 \times 5 + 5)$ 18 $88 - 11 \div 11$ 19 $12 \times 5 + 6 \times 3$ 20 $135 \div 9 - 8 \div 2$

Write an explanation of how you evaluated Problem 17.

Name _____

Write an expression to describe each statement.

- ① 5 times the difference between 8 and 6

$$5 \cdot (8 - 6)$$

- ② 9 times the sum of 3 and 5

$$9 \cdot (5 + 3)$$

- ③ 10 times the difference between 12 and 7

$$10 \cdot (12 - 7)$$

- ④ 8 less than the product of 4 and 6

$$(\square \times \square) - \square$$

- ⑤ 16 more than the product of 3 and 7

$$(\square \times \square) + \square$$

- ⑥ the product of 5 and 9 decreased by 7

$$(\square \times \square) - \square$$

- ⑦ the sum of 2 and 4 increased by 12

- ⑧ the quotient of 30 divided by 5 increased by 14

- ⑨ 7 more than the product of 8 and 6

- ⑩ the product of 12 and 3 decreased by 6

- ⑪ 11 more than nine times the amount of ten

- ⑫ the difference between 16 and 4, divided by 6



Tell how you know when to multiply.

Solve. Use patterns to help you.

① $2.1 \times 10 = 21$

$2.1 \times 100 = 210$

$2.1 \times 1,000 = \underline{\hspace{2cm}}$

② $5.0 \div 10 = 0.5$

$5.0 \div 100 = 0.05$

$5.0 \div 1,000 = \underline{\hspace{2cm}}$

③ $0.63 \times 10 = 6.3$

$0.63 \times 100 = \underline{\hspace{2cm}}$

$0.63 \times 1,000 = \underline{\hspace{2cm}}$

④ $107 \div 10 = 10.7$

$107 \div 10^2 = \underline{\hspace{2cm}}$

$107 \div 10^3 = \underline{\hspace{2cm}}$

⑤ $432 \times 10 = \underline{\hspace{2cm}}$

$432 \times 100 = \underline{\hspace{2cm}}$

$432 \times 1,000 = \underline{\hspace{2cm}}$

⑥ $9.08 \times 10 = \underline{\hspace{2cm}}$

$9.08 \times 10^2 = \underline{\hspace{2cm}}$

$9.08 \times 10^3 = \underline{\hspace{2cm}}$

⑦ $0.086 \times 10^3 = \underline{\hspace{2cm}}$

⑧ $4.51 \times 10^2 = \underline{\hspace{2cm}}$

⑨ $0.33 \div 10 = \underline{\hspace{2cm}}$

⑩ $75,000 \div 100 = \underline{\hspace{2cm}}$

⑪ $34.1 \div 10^3 = \underline{\hspace{2cm}}$

⑫ $9.28 \times 10^4 = \underline{\hspace{2cm}}$



Tell how the placement of the decimal point changes when a decimal is multiplied by 10^5 .

Use the symbols for greater than ($>$) or less than ($<$) to compare the numbers.

①

$8.92 \bigcirc 8.9$

②

$8.92 \bigcirc 9.089$

③

$8.092 \bigcirc 8.9$

④

$8.92 \bigcirc 9.089$

⑤

$8.9 \bigcirc 9.089$

⑥

$8.092 \bigcirc 8.092$

⑦

$8.9 \bigcirc 9.089$

⑧

$8.09 \bigcirc 0.89$

⑨

$7.45 \bigcirc 7.54$

⑩

$2.3 \bigcirc 3.2$

⑪

$1.9 \bigcirc 1.09$

⑫

$0.68 \bigcirc 0.608$

⑬

$4.05 \bigcirc 4.14$

⑭

$5.2 \bigcirc 5.02$

⑮

$7.063 \bigcirc 7.063$

⑯

$9.2 \bigcirc 0.92$



Tell how you use a place value chart to compare numbers.

Solve.

① What is 31.75 rounded to the nearest tenth?

② What is 1.49 rounded to the nearest tenth?

③ What is 20.06 rounded to the nearest tenth?

④ What is 98.044 rounded to the nearest hundredth?

⑤ What is 5.197 rounded to the nearest tenth?

⑥ What is 76.975 rounded to the nearest hundredth?

Circle the letter for the correct answer.

⑦ If you were rounding 36.842 to the nearest tenth, which digit would you use to round the decimal?

- a) 2
- b) 4
- c) 6
- d) 8

⑧ If you rounded 0.587 to the nearest hundredth, what digit would be in the hundredths place?

- a) 9
- b) 8
- c) 6
- d) 0

Find the product for each problem.

$$\begin{array}{r} \textcircled{1} \quad 53 \\ \times 56 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 85 \\ \times 32 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad 50 \\ \times 28 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 96 \\ \times 45 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad 73 \\ \times 16 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 75 \\ \times 22 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad 49 \\ \times 19 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{8} \quad 88 \\ \times 27 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{9} \quad 233 \\ \times 26 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{10} \quad 445 \\ \times 62 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{11} \quad 203 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{12} \quad 340 \\ \times 47 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{13} \quad 313 \\ \times 42 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{14} \quad 175 \\ \times 68 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{15} \quad 593 \\ \times 31 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{16} \quad 192 \\ \times 52 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{17} \quad 771 \\ \times 21 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{18} \quad 842 \\ \times 17 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{19} \quad 253 \\ \times 31 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{20} \quad 703 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{21} \quad 336 \\ \times 30 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{22} \quad 405 \\ \times 26 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{23} \quad 93 \\ \times 79 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{24} \quad 919 \\ \times 37 \\ \hline \end{array}$$



Explain how you use place value when you multiply.

Name _____

Divide. Show your work.

1 $724 \div 6 = \underline{\hspace{2cm}}$ 2 $335 \div 5 = \underline{\hspace{2cm}}$ 3 $8,982 \div 2 = \underline{\hspace{2cm}}$ 4 $162 \div 6 = \underline{\hspace{2cm}}$

5 $367 \div 3 = \underline{\hspace{2cm}}$ 6 $623 \div 7 = \underline{\hspace{2cm}}$ 7 $129 \div 6 = \underline{\hspace{2cm}}$ 8 $4,623 \div 3 = \underline{\hspace{2cm}}$

9 $1,621 \div 4 = \underline{\hspace{2cm}}$ 10 $427 \div 3 = \underline{\hspace{2cm}}$ 11 $126 \div 5 = \underline{\hspace{2cm}}$ 12 $771 \div 3 = \underline{\hspace{2cm}}$

13 $815 \div 5 = \underline{\hspace{2cm}}$ 14 $616 \div 4 = \underline{\hspace{2cm}}$ 15 $914 \div 8 = \underline{\hspace{2cm}}$ 16 $413 \div 7 = \underline{\hspace{2cm}}$

17 $913 \div 9 = \underline{\hspace{2cm}}$ 18 $754 \div 3 = \underline{\hspace{2cm}}$ 19 $733 \div 9 = \underline{\hspace{2cm}}$ 20 $828 \div 7 = \underline{\hspace{2cm}}$

21 $5,633 \div 6 = \underline{\hspace{2cm}}$ 22 $4,415 \div 5 = \underline{\hspace{2cm}}$ 23 $8,741 \div 6 = \underline{\hspace{2cm}}$ 24 $3,798 \div 3 = \underline{\hspace{2cm}}$



Tell the steps you took to find the quotient.

Divide. Show your work.

①

$8,775 \div 45 = \underline{\quad}$

②

$3,006 \div 30 = \underline{\quad}$

③

$1,037 \div 61 = \underline{\quad}$

④

$9,058 \div 14 = \underline{\quad}$

⑤

$2,072 \div 56 = \underline{\quad}$

⑥

$4,005 \div 45 = \underline{\quad}$

⑦

$1,872 \div 24 = \underline{\quad}$

⑧

$1,675 \div 67 = \underline{\quad}$

⑨

$9,020 \div 22 = \underline{\quad}$

⑩

$4,472 \div 52 = \underline{\quad}$

⑪

$759 \div 23 = \underline{\quad}$

⑫

$8,075 \div 19 = \underline{\quad}$

⑬

$9,476 \div 46 = \underline{\quad}$

⑭

$8,833 \div 44 = \underline{\quad}$

⑮

$5,520 \div 23 = \underline{\quad}$

⑯

$8,575 \div 35 = \underline{\quad}$

⑰

$6,076 \div 56 = \underline{\quad}$

⑱

$894 \div 24 = \underline{\quad}$

⑲

$5,753 \div 11 = \underline{\quad}$

⑳

$3,990 \div 42 = \underline{\quad}$

㉑

$10,653 \div 53 = \underline{\quad}$

㉒

$9,943 \div 61 = \underline{\quad}$

㉓

$3,537 \div 27 = \underline{\quad}$

㉔

$6,080 \div 4 = \underline{\quad}$



Tell about what strategies you used to find the quotient.

Name _____

Solve.

1

$1.7 + 0.38 = \underline{\hspace{2cm}}$

2

$2.6 - 0.72 = \underline{\hspace{2cm}}$

3

$3.65 + 1.52 = \underline{\hspace{2cm}}$

4

$40.7 - 0.38 = \underline{\hspace{2cm}}$

5

$15.06 + 10.5 = \underline{\hspace{2cm}}$

6

$5.06 - 1.9 = \underline{\hspace{2cm}}$

7

$7.8 - 4.08 = \underline{\hspace{2cm}}$

8

$20.6 + 20.01 = \underline{\hspace{2cm}}$

9

$4.33 - 0.43 = \underline{\hspace{2cm}}$

10

$17.3 - 3.4 = \underline{\hspace{2cm}}$

11

$6.02 + 0.89 = \underline{\hspace{2cm}}$

12

$6.33 + 0.63 = \underline{\hspace{2cm}}$

13

$7.8 - 2.12 = \underline{\hspace{2cm}}$

14

$9.08 + 3.62 = \underline{\hspace{2cm}}$

15

$4.03 - 3.37 = \underline{\hspace{2cm}}$

16

$1.56 + 1.64 = \underline{\hspace{2cm}}$

17

$5.36 + 1.44 = \underline{\hspace{2cm}}$

18

$10.1 + 1.01 = \underline{\hspace{2cm}}$

19

$7.6 - 0.93 = \underline{\hspace{2cm}}$

20

$2.85 - 0.81 = \underline{\hspace{2cm}}$

21

$5.93 + 4.62 = \underline{\hspace{2cm}}$

22

$12.8 + 0.02 = \underline{\hspace{2cm}}$

23

$3.8 - 3.42 = \underline{\hspace{2cm}}$

24

$508.1 - 37.61 = \underline{\hspace{2cm}}$



Tell how you can use addition to check your subtraction.

Find each product. Multiply as you would with whole numbers.

1
$$\begin{array}{r} 0.5 \\ \times 3 \\ \hline \end{array}$$

2
$$\begin{array}{r} 2.6 \\ \times 0.8 \\ \hline \end{array}$$

3
$$\begin{array}{r} 4.39 \\ \times 2.7 \\ \hline \end{array}$$

4
$$\begin{array}{r} 6.28 \\ \times 0.02 \\ \hline \end{array}$$

5
$$\begin{array}{r} 4.5 \\ \times 0.2 \\ \hline \end{array}$$

6
$$\begin{array}{r} 1.8 \\ \times 0.5 \\ \hline \end{array}$$

7
$$\begin{array}{r} 10.73 \\ \times 1.1 \\ \hline \end{array}$$

8
$$\begin{array}{r} 7.08 \\ \times 0.02 \\ \hline \end{array}$$

9
$$\begin{array}{r} 3.2 \\ \times 0.6 \\ \hline \end{array}$$

10
$$\begin{array}{r} 1.09 \\ \times 0.3 \\ \hline \end{array}$$

11
$$\begin{array}{r} 1.7 \\ \times 0.23 \\ \hline \end{array}$$

12
$$\begin{array}{r} 0.99 \\ \times 0.11 \\ \hline \end{array}$$

13
$$\begin{array}{r} 5.5 \\ \times 0.3 \\ \hline \end{array}$$

14
$$\begin{array}{r} 2.6 \\ \times 0.8 \\ \hline \end{array}$$

15
$$\begin{array}{r} 10.09 \\ \times 0.4 \\ \hline \end{array}$$

16
$$\begin{array}{r} 4.15 \\ \times 0.03 \\ \hline \end{array}$$

17
$$\begin{array}{r} 8.31 \\ \times 6 \\ \hline \end{array}$$

18
$$\begin{array}{r} 11.1 \\ \times 0.9 \\ \hline \end{array}$$

19
$$\begin{array}{r} 2.08 \\ \times 0.03 \\ \hline \end{array}$$

20
$$\begin{array}{r} 59.3 \\ \times 0.07 \\ \hline \end{array}$$

21
$$\begin{array}{r} 40.5 \\ \times 0.4 \\ \hline \end{array}$$

22
$$\begin{array}{r} 100.1 \\ \times 0.7 \\ \hline \end{array}$$

23
$$\begin{array}{r} 4.7 \\ \times 8.6 \\ \hline \end{array}$$

24
$$\begin{array}{r} 20.08 \\ \times 0.09 \\ \hline \end{array}$$



Tell how you found the product.

Find each quotient. Divide as you would with whole numbers.

1 $8.06 \div 0.2 = \underline{\hspace{2cm}}$

$$0.2 \overline{)8.06}$$

← Multiply the divisor and the dividend by 10.

$$\begin{array}{r} 40. \\ 2 \overline{)80.6} \\ \underline{00} \\ 6 \\ \underline{00} \\ 6 \end{array}$$

← Place the decimal point in the quotient.
 ← Divide.
 ← Multiply.
 ← Subtract.

Think:
 $2 \overline{)8}$

$$\begin{array}{r} 40. \\ 2 \overline{)8.06} \\ \underline{00} \\ 6 \\ \underline{00} \\ 6 \end{array}$$

← Bring down. Divide.

Think:
 $2 \overline{)0} = 0$ and $0 \times 2 = 0$.
Write 0 in the quotient.

Divide.

2 $4.05 \div 5 = \underline{\hspace{2cm}}$

$$5 \overline{)4.05}$$

3 $7.2 \div 0.9 = \underline{\hspace{2cm}}$

$$0.9 \overline{)7.2}$$

4 $8.32 \div 0.8 = \underline{\hspace{2cm}}$

$$0.8 \overline{)8.32}$$

5 $10.2 \div 0.2 = \underline{\hspace{2cm}}$

$$0.2 \overline{)10.2}$$

6 $5.2 \div 5 = \underline{\hspace{2cm}}$

$$5 \overline{)5.2}$$

7 $6.3 \div 0.3 = \underline{\hspace{2cm}}$

$$0.3 \overline{)6.3}$$

8 $2.07 \div 3 = \underline{\hspace{2cm}}$

$$3 \overline{)2.07}$$

9 $7.8 \div 0.4 = \underline{\hspace{2cm}}$

$$0.4 \overline{)7.8}$$

10 $2.34 \div 0.03 = \underline{\hspace{2cm}}$

$$0.03 \overline{)2.34}$$

11 $7.3 \div 0.2 = \underline{\hspace{2cm}}$

$$0.2 \overline{)7.3}$$

12 $0.9 \div 3 = \underline{\hspace{2cm}}$

$$3 \overline{)0.9}$$

13 $2.7 \div 0.09 = \underline{\hspace{2cm}}$

$$0.09 \overline{)2.7}$$

14 $10.50 \div 0.5 = \underline{\hspace{2cm}}$

$$0.5 \overline{)10.50}$$

15 $1.48 \div 0.3 = \underline{\hspace{2cm}}$

$$0.3 \overline{)1.48}$$

16 $0.02 \div 2 = \underline{\hspace{2cm}}$

$$2 \overline{)0.02}$$



Tell how you can use multiplication to check your answer.

Find each sum. Use symbols to tell if the sum is greater than (>) or less than (<) 1.

1 $\frac{1}{3} + \frac{1}{6}$

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

3 $\frac{3}{5} + \frac{1}{10}$

4 $\frac{1}{4} + \frac{3}{8}$

5 $\frac{2}{3} + \frac{1}{9}$

6 $\frac{1}{5} + \frac{7}{10}$

7 $\frac{1}{8} + \frac{1}{2}$

8 $\frac{3}{4} + \frac{5}{8}$

9 $\frac{5}{7} + \frac{1}{5}$

10 $\frac{1}{3} + \frac{7}{12}$

11 $\frac{2}{3} + \frac{1}{5}$

12 $\frac{1}{6} + \frac{6}{9}$

13 $\frac{3}{10} + \frac{4}{5}$

14 $\frac{1}{8} + \frac{5}{12}$

15 $\frac{1}{3} + \frac{4}{7}$

16 $\frac{7}{8} + \frac{1}{10}$



Tell how you know if the sum will be greater than 1.

Name _____

Solve.

1 $\frac{1}{3} - \frac{1}{6}$

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

3 $\frac{3}{5} - \frac{1}{10}$

4 $\frac{3}{4} - \frac{3}{8}$

5 $\frac{2}{3} - \frac{1}{9}$

6 $\frac{1}{5} - \frac{2}{10}$

7 $\frac{1}{2} - \frac{1}{8}$

8 $\frac{3}{4} - \frac{5}{8}$

9 $\frac{5}{7} - \frac{1}{5}$

10 $\frac{2}{3} - \frac{5}{12}$

11 $\frac{2}{3} - \frac{1}{5}$

12 $\frac{6}{9} - \frac{3}{5}$

13 $\frac{9}{10} - \frac{3}{5}$

14 $\frac{7}{8} - \frac{5}{12}$

15 $\frac{1}{2} - \frac{2}{7}$

16 $\frac{7}{8} - \frac{1}{10}$



Tell how you could estimate the difference.

Multiply. Write the answer in simplest form.

1 ① $\frac{2}{5} \times 10$

$\frac{2}{5} \times \frac{10}{1} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

2 ② $\frac{3}{6} \times 8$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

3 ③ $\frac{4}{5} \times 9$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

4 ④ $\frac{5}{6} \times 10$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

5 ⑤ $\frac{3}{4} \times 6$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

6 ⑥ $\frac{2}{3} \times 9$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

7 ⑦ $\frac{3}{4} \times 8$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

8 ⑧ $\frac{2}{5} \times 12$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

9 ⑨ $\frac{1}{4} \times 16$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

10 ⑩ $\frac{2}{5} \times 7$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

11 ⑪ $\frac{1}{3} \times 14$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

12 ⑫ $\frac{1}{2} \times 11$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

13 ⑬ $\frac{3}{10} \times 7$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

14 ⑭ $\frac{5}{8} \times 4$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

15 ⑮ $\frac{2}{6} \times 18$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$

16 ⑯ $\frac{5}{7} \times 10$

$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$



Explain the steps you took to find the product.

Multiply. Write the answer in simplest form.

①

$$\frac{1}{3} \times \frac{2}{4} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

②

$$\frac{2}{3} \times \frac{2}{3} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

③

$$\frac{5}{8} \times \frac{1}{4} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

④

$$\frac{1}{7} \times \frac{5}{6} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

⑤

$$\frac{6}{8} \times \frac{1}{4} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

⑥

$$\frac{2}{5} \times \frac{1}{3} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

⑦

$$\frac{6}{8} \times \frac{3}{4} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

⑧

$$\frac{1}{8} \times \frac{3}{5} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

⑨

$$\frac{2}{6} \times \frac{1}{5} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

⑩

$$\frac{3}{8} \times \frac{2}{3} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

⑪

$$\frac{2}{9} \times \frac{3}{4} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

⑫

$$\frac{5}{6} \times \frac{2}{3} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

⑬

$$\frac{3}{5} \times \frac{5}{7} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

⑭

$$\frac{4}{5} \times \frac{3}{8} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

⑮

$$\frac{1}{5} \times \frac{4}{8} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$

⑯

$$\frac{3}{10} \times \frac{9}{10} = \frac{\square}{\square} = \underline{\hspace{1cm}}$$



Tell how you found the simplest form of the product.

Multiply. Write the answer in simplest form.

1 $1\frac{1}{2} \times 2\frac{1}{2}$

$\frac{\square}{2} \times \frac{\square}{2} = \underline{\hspace{2cm}}$

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

$\frac{\square}{4} \times \frac{\square}{4} = \underline{\hspace{2cm}}$

3 $3\frac{1}{3} \times 2\frac{1}{3}$

$\frac{\square}{3} \times \frac{\square}{3} = \underline{\hspace{2cm}}$

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

$\frac{\square}{2} \times \frac{\square}{3} = \underline{\hspace{2cm}}$

5 $1\frac{1}{3} \times 2\frac{3}{4}$

$\frac{\square}{3} \times \frac{\square}{4} = \underline{\hspace{2cm}}$

6 $1\frac{1}{4} \times 2\frac{2}{5}$

$\frac{\square}{4} \times \frac{\square}{5} = \underline{\hspace{2cm}}$

7 $2\frac{1}{2} \times 2\frac{4}{5}$

$\frac{\square}{2} \times \frac{\square}{5} = \underline{\hspace{2cm}}$

8 $2\frac{1}{4} \times 1\frac{3}{5}$

$\frac{\square}{4} \times \frac{\square}{5} = \underline{\hspace{2cm}}$

9 $2\frac{1}{8} \times 4\frac{2}{5}$

$\frac{\square}{8} \times \frac{\square}{5} = \underline{\hspace{2cm}}$

10 $2\frac{3}{4} \times 3\frac{1}{6}$

$\frac{\square}{4} \times \frac{\square}{6} = \underline{\hspace{2cm}}$

11 $2\frac{2}{3} \times 4\frac{4}{9}$

$\frac{\square}{3} \times \frac{\square}{9} = \underline{\hspace{2cm}}$

12 $5\frac{1}{5} \times 4\frac{1}{10}$

$\frac{\square}{5} \times \frac{\square}{10} = \underline{\hspace{2cm}}$

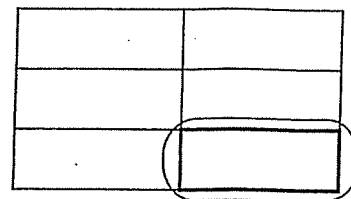
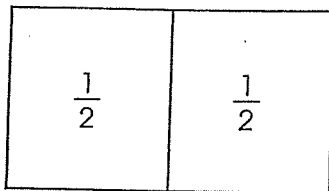


Tell how you multiply mixed numbers.

Find the quotient for each problem.

1

$$\frac{1}{2} \div 3 = \underline{\hspace{2cm}}$$



$\frac{1}{2}$ divided by 3

2

$$4 \div \frac{1}{8} = \underline{\hspace{2cm}}$$

3

$$2 \div \frac{1}{5} = \underline{\hspace{2cm}}$$

4

$$\frac{1}{3} \div 4 = \underline{\hspace{2cm}}$$

5

$$\frac{1}{6} \div 2 = \underline{\hspace{2cm}}$$

6

$$\frac{2}{3} \div 2 = \underline{\hspace{2cm}}$$

7

$$\frac{3}{7} \div 9 = \underline{\hspace{2cm}}$$

8

$$\frac{4}{5} \div 6 = \underline{\hspace{2cm}}$$

9

$$\frac{2}{5} \div 4 = \underline{\hspace{2cm}}$$

10

$$\frac{3}{5} \div 3 = \underline{\hspace{2cm}}$$



Look at Problem 9. Tell how you know the quotient will be less than $\frac{1}{5}$.

ame _____

Complete each problem.

Customary Units of Length	
12 inches (in) = 1 foot (ft)	36 inches = 1 yard
3 feet = 1 yard (yd)	5,280 feet = 1 mile (mi)

1 48 inches = _____ feet
Divide: $48 \div 12 =$ _____

2 132 inches = _____ feet
Divide: $132 \div 12 =$ _____

3 54 feet = _____ yards
_____ \div _____ = _____

4 96 feet = _____ yards
_____ \div _____ = _____

5 4 yd = _____ in
Multiply: $4 \times$ _____ = _____

6 50 yd = _____ ft
Multiply: $3 \times$ _____ = _____

7 10 ft = _____ yd
10 ft = _____ yd _____ ft

8 272 ft = _____ yd
272 ft = _____ yd _____ ft

★ Tell how you can convert feet to yards.

Complete each problem.

Customary Units of Weight

16 ounces (oz) = 1 pound (lb)

2,000 pounds = 1 ton (t)

1 6,000 lb = _____ t
 _____ ÷ _____ = _____

2 10,000 lb = _____ t

3 64 oz = _____ lb

4 100 oz = _____ lb
 _____ lb and _____ oz

5 15 t = _____ lb
 _____ x _____ = _____

6 2 t = _____ oz
 _____ x _____ x _____ = _____

7 $1\frac{1}{2}$ t = _____ lb

8 $3\frac{1}{4}$ t = _____ lb

9 28 oz = _____ lb

10 5,000 lb = _____ t

11 32 t = _____ lb

12 65 oz = _____ lb



Tell how you know your answer is correct.

Name _____

Complete each problem.

Customary Units of Capacity

$8 \text{ fluid ounces (fl oz)} = 1 \text{ cup (c)}$

$2 \text{ pints} = 1 \text{ quart (qt)}$

$2 \text{ cups} = 1 \text{ pint (pt)}$

$4 \text{ quarts} = 1 \text{ gallon (gal)}$

① $48 \text{ fl oz} = \underline{\hspace{2cm}} \text{ c}$

② $4 \text{ fl oz} = \underline{\hspace{2cm}} \text{ c}$

③ $98 \text{ fl oz} = \underline{\hspace{2cm}} \text{ c}$

④ $32 \text{ c} = \underline{\hspace{2cm}} \text{ pt}$

⑤ $16 \text{ c} = \underline{\hspace{2cm}} \text{ qt}$

⑥ $20 \text{ qt} = \underline{\hspace{2cm}} \text{ gal}$

⑦ $2 \text{ gal} = \underline{\hspace{2cm}} \text{ qt}$

⑧ $50 \text{ pt} = \underline{\hspace{2cm}} \text{ c}$

⑨ $54 \text{ qt} = \underline{\hspace{2cm}} \text{ pt}$

⑩ $1 \text{ gal} = \underline{\hspace{2cm}} \text{ oz}$

⑪ $424 \text{ pt} = \underline{\hspace{2cm}} \text{ gal}$

⑫ $10 \text{ gal} = \underline{\hspace{2cm}} \text{ qt}$

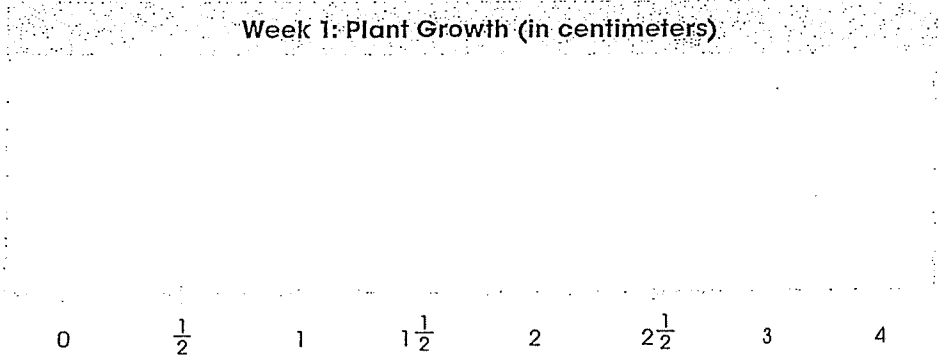


Tell what to do when you want to convert from a smaller unit to a larger unit.

Name _____

Complete the line plot below with the data in the table. Then answer the questions.

cm	Frequency
$\frac{1}{2}$	I
$\frac{3}{4}$	IIII
1	I
$1\frac{1}{4}$	III
$1\frac{1}{2}$	II
2	I



2 What does the line plot show?

3 What was the mode of the data set?

4 How many plants were measured?

5 What is the greatest value in the data set?

6 What is the least value in the data set?

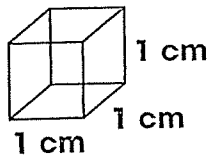
- a) 1
- b) $\frac{1}{2}$
- c) $\frac{1}{4}$
- d) 0

7 What is the difference between the least value and greatest value?

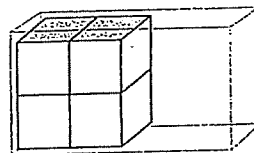
- a) $\frac{1}{2}$
- b) $1\frac{1}{2}$
- c) 2
- d) 3

Find the volume of each box.

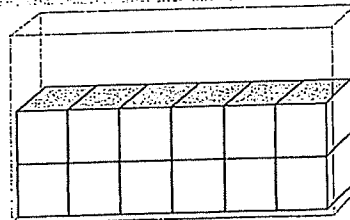
1 cubic centimeter



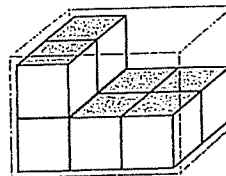
1 The volume is _____ cubic cm.



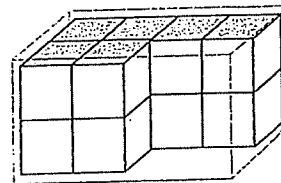
2 The volume is _____ cubic cm.



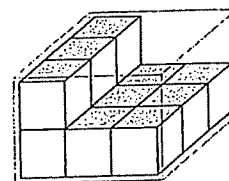
3 The volume is _____ cubic cm.



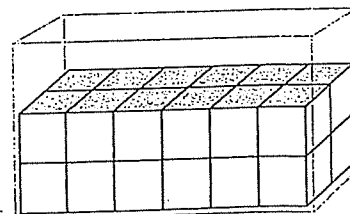
4 The volume is _____ cubic cm.



5 The volume is _____ cubic cm.



6 The volume is _____ cubic cm.



Tell how you found the volume.

name _____

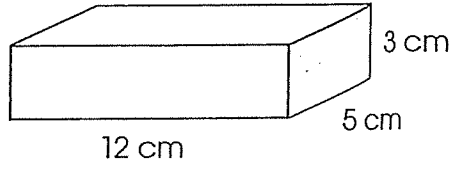
Use a formula to find volume. Show your work.

Formulas for Volume of a Rectangular Prism

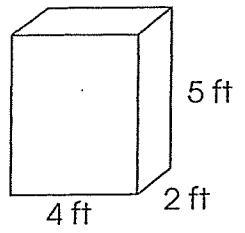
Volume = base (area of) x height $V = b \times h$
 Volume = length x width x height $V = l \times w \times h$

Remember:
 You can multiply in any order.

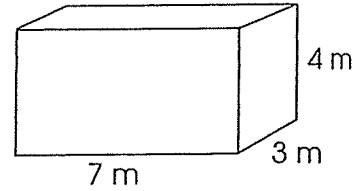
1 length _____ width _____ height _____
 area of base _____
 Volume _____



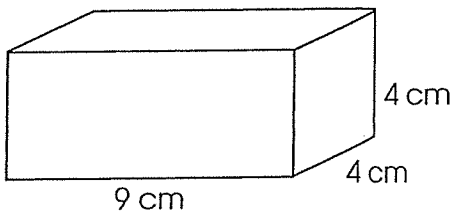
2 length _____ width _____ height _____
 area of base _____
 Volume _____



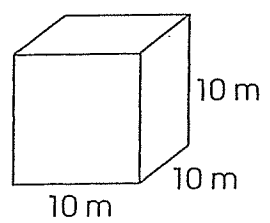
3 length _____ width _____ height _____
 area of base _____
 Volume _____



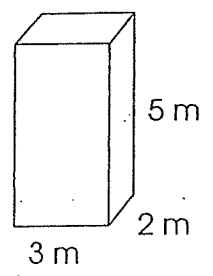
4 length _____ width _____ height _____
 area of base _____
 Volume _____



5 length _____ width _____ height _____
 area of base _____
 Volume _____

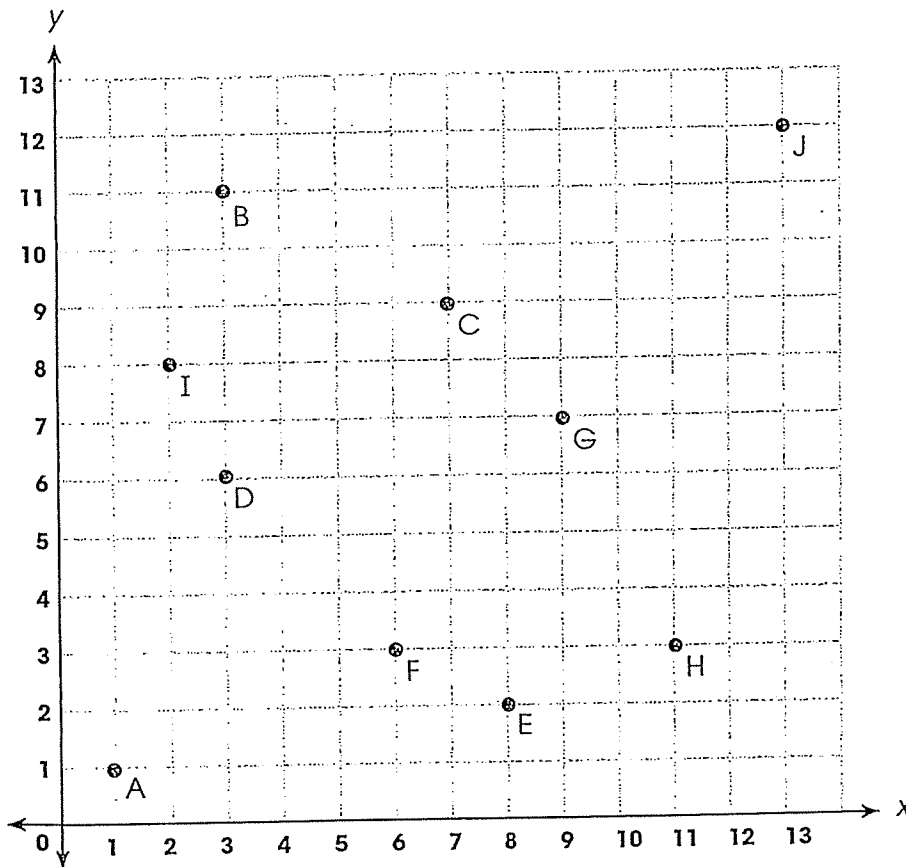


6 length _____ width _____ height _____
 area of base _____
 Volume _____



★ Tell how you found the volume.

Write the ordered pair for each point.



1 Point A: (1, _____)

6 Point F: (_____, _____)

2 Point B: (3, _____)

7 Point G: (_____, _____)

3 Point C: (_____, _____)

8 Point H: (_____, _____)

4 Point D: (_____, _____)

9 Point I: (_____, _____)

5 Point E: (_____, _____)

10 Point J: (_____, _____)



Tell how you write an ordered pair.

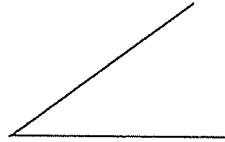
Name _____

Match. Draw a line from one figure to each description.

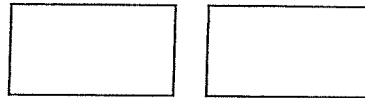
1 angle



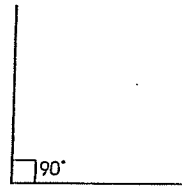
2 congruent



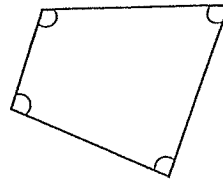
3 parallel



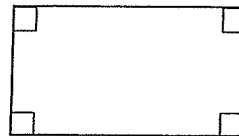
4 parallelogram



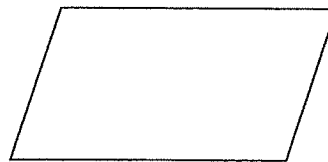
5 quadrilateral



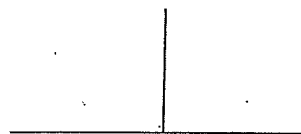
6 rectangle



7 right angle

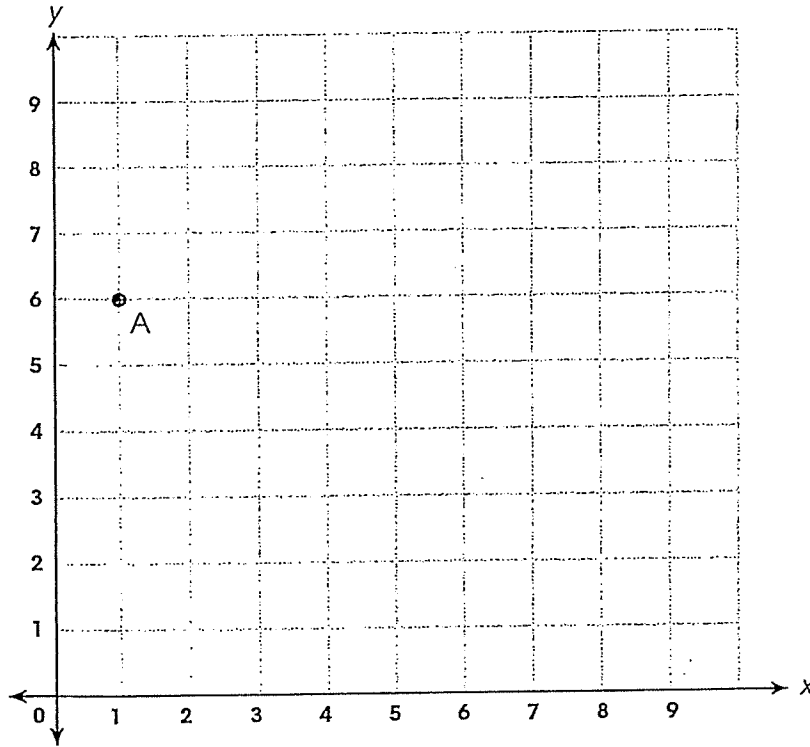


8 perpendicular



Tell what *parallel* means.

Graph and label the following points using the (x, y) coordinates.



Remember, x is the first number; y is the second number.

1 Point A

x	y
1	6

2 Point B

x	y
4	6

3 Point C

x	y
4	3

4 Point D

x	y
1	3

5 Point E

x	y
2	8

6 Point F

x	y
8	2



Connect points ABCD. What type of shape is ABCD?

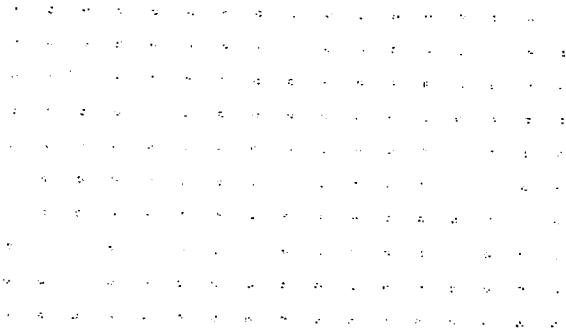
Name _____

Classify each polygon into categories. Write as many categories that apply.

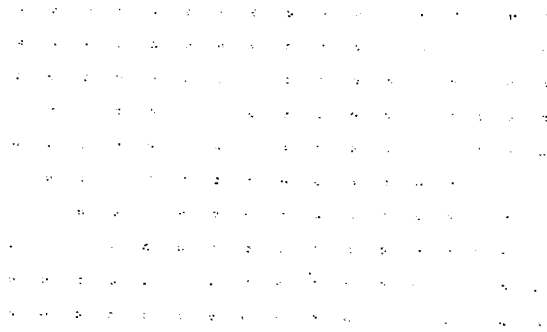
1 What are three names for a polygon that has four equal sides and no right angles?

2 What is the name of a polygon that has four sides and four equal angles?

3 Draw a polygon with only two congruent sides and two congruent angles.



4 Draw a polygon with only one set of parallel sides and no right angles.



Circle the letter for the correct answer.

5 Which of the following is not a defining property of parallelograms?

- a) four sides and four angles
- b) at least 1 set of parallel sides
- c) at least 1 set of equal angles
- d) at least 1 set of right angles

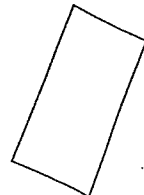
6 How would you describe the two figures below?

a) similar



b) congruent

c) parallel



d) perpendicular

