Entering 6th Grade - Math Summer Packet 2026

Name:_____

Directions: Add or Subtract Decimals.							
1.	$\begin{array}{r} 5.37 \\ +\,2.45 \\ \hline \end{array}$	2.	$\begin{array}{r} 6.48 \\ +\,5.29 \\ \hline \end{array}$	3.	$\begin{array}{r} 85.41 \\ -\,26.03 \\ \hline \end{array}$	4.	$\begin{array}{r} 63.7 \\ -\,43.9 \\ \hline \end{array}$

Directions: Multiply Decimals by Decimals.							
5.	$\begin{array}{r} 12.92 \\ \times\quad .7 \\ \hline \end{array}$	6.	$\begin{array}{r} 4.5 \\ \times\ .5 \\ \hline \end{array}$	7.	$\begin{array}{r} .73 \\ \times 1.4 \\ \hline \end{array}$	8.	$\begin{array}{r} 4.26 \\ \times\ .92 \\ \hline \end{array}$

Directions: Use the Order of Operations to simplify.			
9.	$(3 \times 7) + (64 \div 8) =$	10.	$6 \times 3 \div (17 - 8) =$

Directions: Write as a decimal.					
11.	$\frac{5}{1000}$ =	12.	Twenty-four hundredths =	13.	$\frac{45}{100}$ =

Add or Subtract. Write the answers in simplest form.					
14.	$\frac{3}{10}$ = $+\frac{1}{2}$ = ----------	15.	$\frac{3}{5}$ = $+\frac{2}{25}$ = ----------	16.	$\frac{5}{7}$ = $-\frac{3}{5}$ = ----------

Add or Subtract. Write the answers in simplest form.					
17.	$5\frac{2}{9}$ = $-2\frac{1}{3}$ = ----------	18.	$2\frac{1}{4}$ = $+3\frac{2}{5}$ = ----------	19.	$6\frac{3}{7}$ = $-2\frac{5}{21}$ = ----------

Find the product. Write the answers in simplest form.			
20.	$\frac{7}{10} \times \frac{1}{3}$ =	21.	$\frac{3}{8} \times \frac{5}{7}$ =

Find the product. Simplify before you multiply, if possible.			
22.	$2\frac{1}{2} \times \frac{3}{5} =$	23.	$\frac{5}{14} \times 2\frac{1}{3} =$

Find the quotient.					
24.	$15 \div \frac{2}{3} =$	25.	$9 \div \frac{3}{7} =$	26.	$\frac{1}{5} \div 5 =$

Convert each measurement of length using the chart below.

12 in. = 1ft	3 ft = 1yd	5280 ft = 1760 yd = 1 mi

27.	48 in. = _____ ft	28.	15 ft = _____ yd

29.	3 mi = _____ yd	30.	2 mi = _____ yd

Simplify each fraction to its lowest terms.

31.	$\frac{6}{30} =$	32.	$\frac{5}{10} =$
33.	$\frac{4}{40} =$	34.	$\frac{8}{12} =$
35.	$\frac{6}{8} =$	36.	$\frac{24}{30} =$
37.	$\frac{9}{72} =$	38.	$\frac{18}{90} =$
39.	$\frac{49}{70} =$	40.	$\frac{12}{24} =$

Multiplication facts 2-12

Math Drills Worksheet

7 × 9	8 × 5	5 × 4	8 × 8	9 × 11	3 × 10	3 × 11
8 × 7	10 × 10	5 × 6	12 × 3	6 × 2	11 × 11	4 × 10
11 × 6	4 × 4	9 × 12	10 × 12	2 × 11	9 × 4	10 × 8
7 × 8	7 × 7	7 × 5	12 × 9	2 × 5	2 × 6	5 × 7
6 × 6	11 × 10	10 × 4	8 × 11	4 × 8	9 × 10	9 × 6
8 × 10	5 × 10	7 × 10	6 × 8	4 × 5	8 × 9	6 × 7
12 × 8	11 × 7	5 × 11	8 × 4	3 × 7	11 × 3	7 × 4

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Division facts (dividends up to 144)

Division Practice Worksheet

49 ÷ 7 =	70 ÷ 7 =	30 ÷ 3 =
24 ÷ 2 =	90 ÷ 10 =	28 ÷ 4 =
24 ÷ 4 =	54 ÷ 9 =	44 ÷ 11 =
40 ÷ 4 =	77 ÷ 7 =	40 ÷ 10 =
22 ÷ 2 =	36 ÷ 6 =	15 ÷ 5 =
32 ÷ 4 =	50 ÷ 5 =	54 ÷ 6 =
21 ÷ 3 =	36 ÷ 9 =	80 ÷ 8 =
33 ÷ 3 =	110 ÷ 11 =	20 ÷ 10 =
63 ÷ 7 =	27 ÷ 3 =	27 ÷ 9 =
45 ÷ 5 =	64 ÷ 8 =	48 ÷ 6 =
18 ÷ 3 =	132 ÷ 12 =	20 ÷ 4 =
36 ÷ 4 =	90 ÷ 9 =	20 ÷ 5 =
10 ÷ 2 =	80 ÷ 10 =	84 ÷ 12 =
16 ÷ 4 =	144 ÷ 12 =	60 ÷ 10 =
121 ÷ 11 =	14 ÷ 2 =	24 ÷ 6 =
40 ÷ 8 =	16 ÷ 2 =	60 ÷ 6 =

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Adding & Subtracting Decimals

1. Write the problem vertically, lining up the decimal points
2. Add zeros, if necessary
3. Add or subtract the numbers as if they were whole numbers
4. Bring the decimal point straight down

ex: 12.8 - 1.52

$$\begin{array}{r} 12.^{7}8^{1}0 \\ -\ 1.52 \\ \hline 11.28 \end{array}$$

Multiplying Decimals

1. Write the problem vertically with the numbers lined up to the right (decimals do NOT need to be lined up)
2. Ignore the decimal points and multiply the numbers as if they were whole numbers
3. Count the total number of decimal places in the two factors and put a decimal point in the product so that it has that same number of decimal places

ex: 3.24 x 0.8

$$\begin{array}{r} {}^{1}\,{}^{3}3.24 \rightarrow \text{2 decimal places} \\ \times\ \ 0.8 \rightarrow \text{1 decimal place} \\ \hline 2592 \qquad \text{3 decimal places} \\ 2.592 \end{array}$$

Dividing Decimals

1. Write the dividend under the division symbol and the divisor in front of the division symbol
2. Move the decimal in the divisor after the number and then move the decimal in the dividend the same number of places and bring it up
3. Ignore the decimal point and divide as if whole numbers
4. If there is a remainder, add a zero to the end of the dividend, bring it down, and then continue dividing until there is no remainder

ex: 32.3 ÷ 0.5

$$\begin{array}{r} 64.6 \\ 0.5\overline{)\,32.3^{\uparrow}0} \\ -30\downarrow \\ \hline 23 \\ -20 \\ \hline 30 \\ -30 \\ \hline 0 \end{array}$$

Adding & Subtracting Fractions

1. Rename the fractions to equivalent fractions with common denominators
2. Add or subtract the numerators and keep the denominator the same
3. If mixed numbers, add or subtract the whole numbers
4. If possible, simplify the answer & change improper fractions to mixed numbers

ex: $4\frac{4}{9} + \frac{2}{3}$

$4\frac{4}{9} \quad \frac{\times 1}{\times 1} \quad \frac{4}{9}$

$+ \quad \frac{2}{3} \quad \frac{\times 3}{\times 3} \quad \frac{6}{9}$

$4 \quad \frac{10}{9} = \boxed{5\frac{1}{9}}$

Multiplying Fractions

1. Turn a whole number into a fraction by giving it a denominator of 1
2. Cross-simplify the fractions if possible
3. Multiply the 2 numerators and the 2 denominators
4. If possible, simplify the answer & change improper fractions to mixed numbers

ex: $6 \times \frac{2}{3}$

$\frac{\overset{2}{\cancel{6}}}{1} \times \frac{2}{\cancel{3}_{1}} = \frac{4}{1}$

$= \boxed{4}$

Dividing Fractions

1. Turn a whole number into a fraction by giving it a denominator of 1
2. Keep the 1st fraction the same, change the division symbol to multiplication, and flip the 2nd fraction to its reciprocal
3. Multiply the 2 fractions
4. If possible, simplify the answer & change improper fractions to mixed numbers

ex: $12 \div \frac{1}{2}$

$\frac{12}{1} \div \frac{1}{2}$

$\frac{12}{1} \times \frac{2}{1} = \frac{24}{1} = \boxed{24}$

Simplifying Fractions

1. Divide the numerator and denominator by a common factor.
2. Repeat until the only common factor of the numerator and denominator is 1.

ex: simplify $\frac{10}{12}$

you can divide both 10 and 12 by 2

$$\frac{10}{12} \begin{matrix} \div 2 \\ = \\ \div 2 \end{matrix} \boxed{\frac{5}{6}}$$

the only number you can divide both 5 and 6 by is 1, so you are done!

Comparing Fractions

1. Find a common denominator for the fractions by finding a common multiple of the two denominators.
2. For each fraction, determine what you multiplied the denominator by to get that common denominator, and then multiply the numerator by that same number.
3. Now that the fractions are rewritten with common denominators, compare the two fractions. The fraction with the larger numerator is greater.
4. Use the appropriate symbol to compare the fractions.
   <: less than, >: greater than, =: equal to

ex: compare: $\frac{3}{4} \bigcirc \frac{5}{6}$

12 is a multiple of both 4 and 6

$$\frac{3}{4} \begin{matrix} \times 3 \\ = \\ \times 3 \end{matrix} \frac{9}{12} \qquad \frac{5}{6} \begin{matrix} \times 2 \\ = \\ \times 2 \end{matrix} \frac{10}{12}$$

$$\frac{9}{12} < \frac{10}{12}$$

9 is smaller than 10, so the 1st fraction is LESS THAN the 2nd fraction

