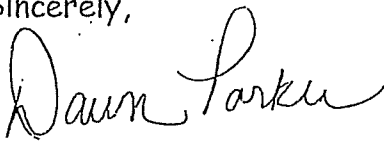


For students entering Grade 5.

Dear Parents and Students,

Attached, please find this year's summer practice packet for math. These packets will be due to the homeroom or mathematics teacher on the first day of school and will count as a grade for the first trimester. Please see rubric below for grading details. As you will see on the rubric, in order to receive the full 30 points, all problems must be complete, neat and organized, with detailed work shown for each problem (where applicable). Thank you in advance for your focused effort on this year's summer math packet. It is our hope that completing the math packet will reinforce the skills taught this year. We hope you enjoy a fantastic summer and look forward to working with you again this fall.

Sincerely,



Dawn Parker

.....

Summer Math Packet Rubric

Name: _____

A. All problems in the packet are complete.

Points: 10 8 6 4 2

B. Detailed work process is shown for each problem (use extra paper as needed).

Points: 10 8 6 4 2

C. Work is neat and organized.

Points: 5 4 3 2 1

D. Summer Practice Packet is handed in on time (the first day of school). One point will be deducted for each day the assignment is late.

Points: 5 4 3 2 1

Total Points Possible: 30

Points Earned: _____

Name _____ Date _____

Round Multi-Digit Whole Numbers Quiz

Directions: Round each number to the given place.

1. 1,724 (hundreds) _____	2. 4,936 (thousands) _____	3. 7,185 (hundreds) _____	4. 9,408 (thousands) _____
5. 13,670 (hundreds) _____	6. 18,362 (thousands) _____	7. 25,694 (ten thousands) _____	8. 44,319 (hundreds) _____
9. 92,848 (thousands) _____	10. 117,233 (ten thousands) _____	11. 289,415 (hundred thousands) _____	12. 536,010 (hundreds) _____
13. 56,452 (thousands) _____	14. 692,101 (ten thousands) _____	15. 751,629 (hundred thousands) _____	16. 83,964 (hundreds) _____
17. 304,772 (thousands) _____	18. 588,493 (ten thousands) _____	19. 449,651 (hundred thousands) _____	20. 239,987 (hundreds) _____

Multiply in columns - 1 digit by 4 digit

Grade 4 Multiplication Worksheet

Find the product.

$$\begin{array}{r} 1. \quad 2,348 \\ \times \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 4,785 \\ \times \quad 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 7,530 \\ \times \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 7,308 \\ \times \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 4,998 \\ \times \quad 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 7,059 \\ \times \quad 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 4,140 \\ \times \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 4,573 \\ \times \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 8,014 \\ \times \quad 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 4,599 \\ \times \quad 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 1,483 \\ \times \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 5,448 \\ \times \quad 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 8,686 \\ \times \quad 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 8,571 \\ \times \quad 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 3,767 \\ \times \quad 6 \\ \hline \\ \hline \end{array}$$

Long Division with remainders within 1-10,000

Grade 4 Division Worksheet

Find the quotient with remainder.

1. $4 \overline{) 6,743}$

2. $2 \overline{) 7,685}$

3. $2 \overline{) 8,731}$

4. $7 \overline{) 8,360}$

5. $4 \overline{) 5,910}$

6. $5 \overline{) 4,817}$

7. $8 \overline{) 3,515}$

8. $7 \overline{) 5,134}$

9. $8 \overline{) 6,029}$

Name _____

Equivalent Fractions on a Multiplication Table

Use a multiplication table to find three equivalent fractions.

1. $\frac{1}{2}$

2. $\frac{1}{5}$

$$\frac{2}{4}, \frac{3}{6}, \frac{4}{8}$$

3. $\frac{1}{10}$

4. $\frac{2}{3}$

5. $\frac{2}{8}$

6. $\frac{2}{5}$

7. $\frac{3}{10}$

8. $\frac{5}{6}$

Problem Solving

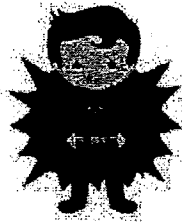


9. Nicki eats $\frac{1}{4}$ of a cereal bar. What are three equivalent fractions that name the part of the cereal bar that Nicki eats?

10. In a crate of apples, $\frac{3}{5}$ of the apples are green apples. What are three equivalent fractions that name the part of the apples in the crate that are green?

Name _____

Date _____



Number Sense Assessment Flying Through Fourth Grade

Directions: Find the value of the underlined digit.

1. 6,203 _____ 2. 79,301 _____ 3. 205,112 _____ 4. 512 _____

Directions: Read the number. Then, write the number in two other forms.

5. Standard Form: 345,620

Expanded Form: _____

Word Form: _____

6. Standard Form: _____

Expanded Form: _____

Word Form: two thousand, seven hundred ten

Directions: Order from least to greatest.

7. 1,231; 1,131; 1,213 _____

8. 760; 759; 706 _____

Directions: Write the name of the place value of the underlined digit.

9. 880,231 _____ 10. 11,540 _____

Directions: Compare. Write $<$, $>$, or $=$.

11. 8,023 ○ 7,999 12. 18,125 ○ 18,145 13. 250,775 ○ 250,775

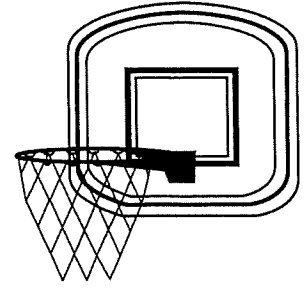
Directions: Round each number to the place of the underlined digit.

14. 25,231 _____ 15. 685,450 _____

Name: _____

Date: _____

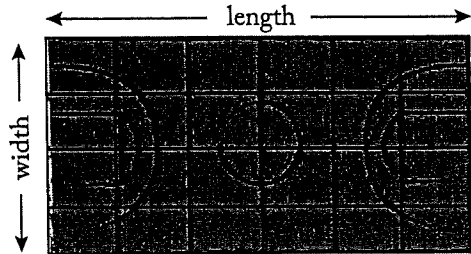
Math Madness: Finding Area 2



Area is the measurement of the square units inside a shape.

-Adding up the total number of squares within a figure is one way to find the area.
This is why we label the units as "square units."

*There is a faster way to find the area of a shape. $\text{Area} = \text{Length} \times \text{Width}$



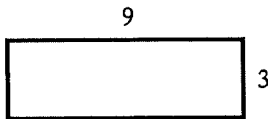
What is the length? _____

What is the width? _____

Multiply the length x width.

Area = _____ square units

Directions: Record the length and the width of each rectangle. Then use the equation to find the area of the basketball courts below.

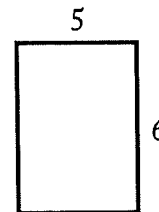


What is the length? _____

What is the width? _____

Multiply the length x width.

Area = _____ square units

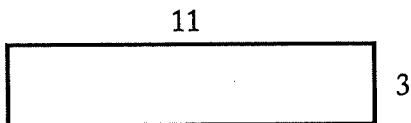


What is the length? _____

What is the width? _____

Multiply the length x width.

Area = _____ square units

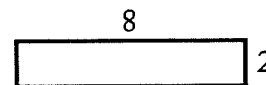


What is the length? _____

What is the width? _____

Multiply the length x width.

Area = _____ square units



What is the length? _____

What is the width? _____

Multiply the length x width.

Area = _____ square units



Draw a basketball court in the space below with a length of 6 units and a width of 3 units. Then, find the area.

Area = _____ square units

Multiply in columns - 2 digit by 3 digit

Grade 4 Multiplication Worksheet

Find the product.

$$\begin{array}{r} 1. \quad 868 \\ \times 62 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 995 \\ \times 55 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 329 \\ \times 17 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 749 \\ \times 11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 188 \\ \times 31 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 671 \\ \times 51 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 317 \\ \times 86 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 807 \\ \times 54 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 376 \\ \times 70 \\ \hline \\ \hline \end{array}$$

Name: _____

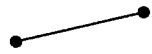
Date: _____

Shape Up with Geometry

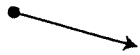
Draw a line matching each figure with its name.



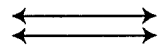
ray



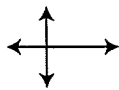
perpendicular lines



line

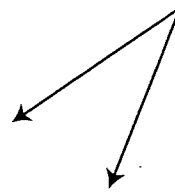


line segment



parallel lines

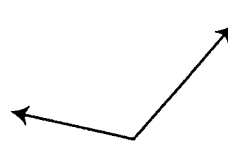
Answer the following questions about angles.



This angle is _____ 90°.

It is called a (n):

- a) acute angle
- b) right angle
- c) obtuse angle

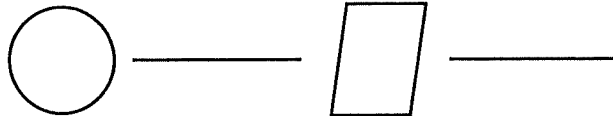
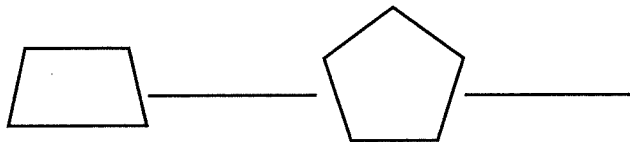


This angle is _____ 90°.

It is called a (n):

- a) acute angle
- b) right angle
- c) obtuse angle

Name each shape. Shade in the shape that is **not** a polygon.

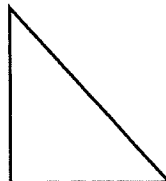
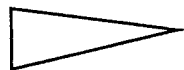
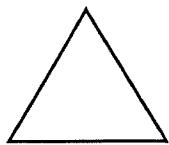


List as many characteristics of this shape as you can.

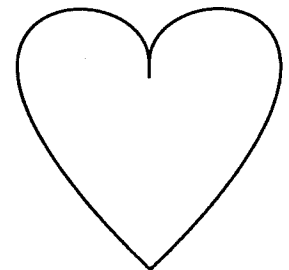
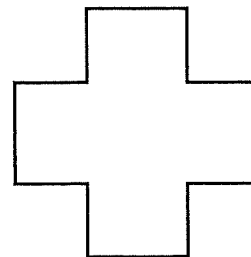


Identify each triangle.

right equilateral isosceles



Draw a line of symmetry through each figure.



Long Division with remainders within 1-100

Grade 4 Division Worksheet

Find the quotient with remainder.

1. $3 \overline{)17}$

2. $3 \overline{)87}$

3. $7 \overline{)15}$

4. $7 \overline{)86}$

5. $5 \overline{)51}$

6. $3 \overline{)30}$

7. $9 \overline{)14}$

8. $3 \overline{)100}$

9. $5 \overline{)82}$

10. $7 \overline{)22}$

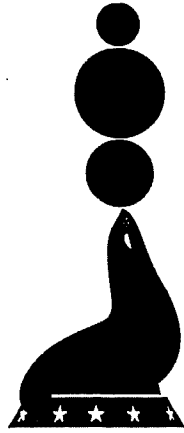
11. $8 \overline{)83}$

12. $8 \overline{)49}$

Skills Practice

ADDING MIXED FRACTIONS

3



Practice your fraction arithmetic skills by adding the following mixed fractions. Be sure to show your work and simplify your answers.

Rewrite as improper fractions

Find least common denominator

$$1\frac{2}{3} + 4\frac{1}{7} = \underline{5\frac{17}{21}}$$

$$1\frac{2}{3} + 4\frac{1}{7}$$

$$\frac{5}{3} + \frac{29}{7}$$

$$\frac{35}{21} + \frac{87}{21} = \frac{122}{21} = 5\frac{17}{21}$$

$$3\frac{3}{7} + 2\frac{1}{6} = \underline{\hspace{2cm}}$$

$$3\frac{1}{4} + 4\frac{4}{5} = \underline{\hspace{2cm}}$$

$$5\frac{2}{5} + 4\frac{1}{2} = \underline{\hspace{2cm}}$$

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

$$6\frac{3}{4} + 1\frac{6}{7} = \underline{\hspace{2cm}}$$

$$2\frac{3}{7} + 2\frac{1}{6} = \underline{\hspace{2cm}}$$



Multiply in columns - 2 digit by 2 digit

Grade 4 Multiplication Worksheet

Find the product.

$$\begin{array}{r} 1. \quad 35 \\ \times 97 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 36 \\ \times 20 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 29 \\ \times 64 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 53 \\ \times 95 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 71 \\ \times 74 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 74 \\ \times 11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 19 \\ \times 77 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 96 \\ \times 58 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 68 \\ \times 17 \\ \hline \\ \hline \end{array}$$

Name: _____

Date: _____

Decimals: Compare and Round #1

Use the greater than, less than, and equal to symbols ($>$, $<$, $=$) to compare each set of decimals.

$0.419 \boxed{>} 0.402$

$62.03 \boxed{} 63.03$

$0.725 \boxed{} 7.025$

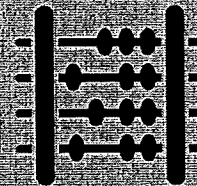
$55.90 \boxed{} 55.9$

$483.06 \boxed{} 483.08$

$37.25 \boxed{} 37.2$

$21.91 \boxed{} 21.19$

$6.40 \boxed{} 6.400$



Did you know?

The abacus, a counting tool, was first used in Mesopotamia around 2500 B.C.

Round each decimal to the given place.

Round 34.934 to the nearest hundredth. 34.93

Round 607.5 to the nearest whole number. _____

Round 3.106 to the nearest hundredth. _____

Round 26.829 to the nearest tenth. _____

Round 5.734 to the nearest whole number. _____

Round 468.113 to the nearest tenth. _____

Long Division with remainders within 1-1,000

Grade 4 Division Worksheet

Find the quotient with remainder.

1. $7 \overline{)716}$

2. $8 \overline{)511}$

3. $7 \overline{)804}$

4. $4 \overline{)720}$

5. $4 \overline{)126}$

6. $5 \overline{)175}$

7. $8 \overline{)558}$

8. $7 \overline{)201}$

9. $4 \overline{)858}$



Math Review Part 2

Let's Soar in Grade 4

Directions: Write one equivalent fraction for each of the following fractions.

1) $\frac{4}{10}$ _____ 2) $\frac{6}{9}$ _____ 3) $\frac{2}{5}$ _____ 4) $\frac{1}{3}$ _____ 5) $\frac{2}{7}$ _____

Directions: Change each improper fraction to a mixed number and each mixed number to an improper fraction. Make sure your answers are written in simplest form.

6) $\frac{10}{4}$ _____ 7) $1\frac{2}{3}$ _____ 8) $\frac{13}{4}$ _____ 9) $2\frac{1}{5}$ _____ 10) $\frac{8}{7}$ _____

Directions: Compare the two fractions in each problem. Write <, >, or = in the circle.

11) $\frac{1}{4}$ ○ $\frac{1}{3}$ 12) $\frac{2}{5}$ ○ $\frac{2}{9}$ 13) $\frac{3}{7}$ ○ $\frac{5}{7}$ 14) $\frac{2}{3}$ ○ $\frac{4}{8}$

Directions: Find the sum or difference for each problem.
Show your work and write each answer on its corresponding answer line.

15) $\frac{7}{11} + \frac{2}{11}$ 16) $\frac{10}{12} - \frac{4}{12}$ 17) $\frac{7}{11} - \frac{2}{11}$ 18) $\frac{11}{12} + \frac{11}{12}$

Answer: _____ Answer: _____ Answer: _____ Answer: _____

Directions: Find the sum or difference for each problem.
Show your work and write each answer on its corresponding answer line.

19) $6\frac{6}{8} - 1\frac{7}{8}$ 20) $1\frac{1}{2} + 7\frac{1}{2}$ 21) $10\frac{3}{5} + 2\frac{3}{5}$ 22) $3\frac{1}{4} - 2\frac{2}{4}$

Answer: _____ Answer: _____ Answer: _____ Answer: _____



Multiply in columns - 2 digit by 4 digit

Grade 4 Multiplication Worksheet

Find the product.

$$\begin{array}{r} 1. \quad 5,807 \\ \times \quad 87 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 7,725 \\ \times \quad 38 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 7,079 \\ \times \quad 27 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 9,186 \\ \times \quad 79 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 4,477 \\ \times \quad 88 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 5,031 \\ \times \quad 11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 7,344 \\ \times \quad 81 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 1,134 \\ \times \quad 13 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 4,439 \\ \times \quad 88 \\ \hline \\ \hline \end{array}$$