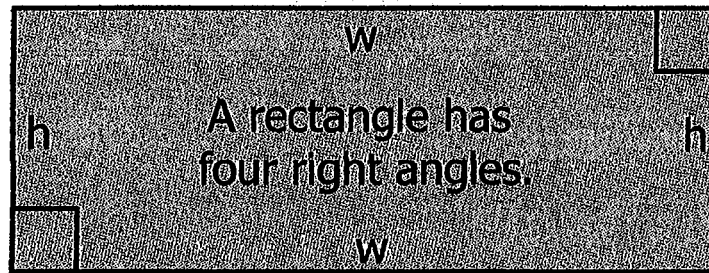




The Secrets of the Rectangle



The opposite sides of a rectangle are equal in length.

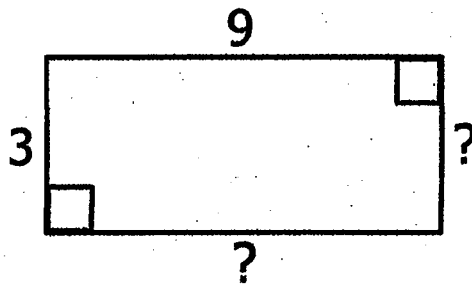


The sum of all sides equals the perimeter.

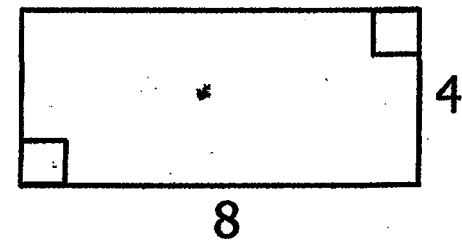
The area of a rectangle equals the height (h) times the width (w).

Using the above information, answer the following problems.

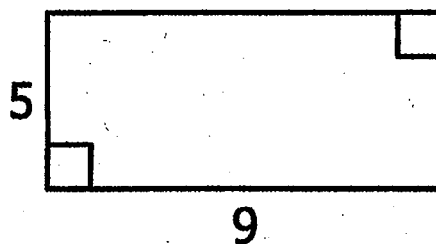
1. What is the height and width of each side?



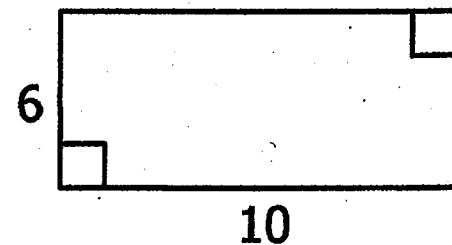
2. What is the perimeter?

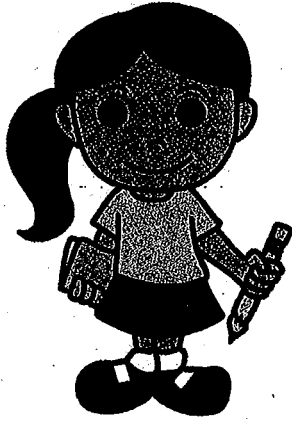


3. What is the area?



4. What is the area?





Subtracting Fractions

There are three steps to subtract fractions.

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

Step 1: Make sure the denominators (the bottom numbers) are the same.

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

Step 2: Subtract the numerators (the top numbers). Write the answer over the same denominator:

$$\frac{2}{4} = \frac{1}{2}$$

Step 3: Simplify the fraction.

Add and subtract the fractions below. If you can, simplify the answer.

$\frac{5}{6} - \frac{2}{15} =$	$\frac{7}{8} - \frac{5}{16} =$
$\frac{5}{7} - \frac{2}{3} =$	$\frac{11}{15} - \frac{3}{5} =$
$\frac{3}{4} - \frac{1}{5} =$	$\frac{2}{5} - \frac{4}{10} =$

Division Facts Tables

Name: _____

Date: _____

Dividing by 1
$1 \div 1 = 1$
$2 \div 1 = 2$
$3 \div 1 = 3$
$4 \div 1 = 4$
$5 \div 1 = 5$
$6 \div 1 = 6$
$7 \div 1 = 7$
$8 \div 1 = 8$
$9 \div 1 = 9$
$10 \div 1 = 10$
$11 \div 1 = 11$
$12 \div 1 = 12$

Dividing by 2
$2 \div 2 = 1$
$4 \div 2 = 2$
$6 \div 2 = 3$
$8 \div 2 = 4$
$10 \div 2 = 5$
$12 \div 2 = 6$
$14 \div 2 = 7$
$16 \div 2 = 8$
$18 \div 2 = 9$
$20 \div 2 = 10$
$22 \div 2 = 11$
$24 \div 2 = 12$

Dividing by 3
$3 \div 3 = 1$
$6 \div 3 = 2$
$9 \div 3 = 3$
$12 \div 3 = 4$
$15 \div 3 = 5$
$18 \div 3 = 6$
$21 \div 3 = 7$
$24 \div 3 = 8$
$27 \div 3 = 9$
$30 \div 3 = 10$
$33 \div 3 = 11$
$36 \div 3 = 12$

Dividing by 4
$4 \div 4 = 1$
$8 \div 4 = 2$
$12 \div 4 = 3$
$16 \div 4 = 4$
$20 \div 4 = 5$
$24 \div 4 = 6$
$28 \div 4 = 7$
$32 \div 4 = 8$
$36 \div 4 = 9$
$40 \div 4 = 10$
$44 \div 4 = 11$
$48 \div 4 = 12$

Dividing by 5
$5 \div 5 = 1$
$10 \div 5 = 2$
$15 \div 5 = 3$
$20 \div 5 = 4$
$25 \div 5 = 5$
$30 \div 5 = 6$
$35 \div 5 = 7$
$40 \div 5 = 8$
$45 \div 5 = 9$
$50 \div 5 = 10$
$55 \div 5 = 11$
$60 \div 5 = 12$

Dividing by 6
$6 \div 6 = 1$
$12 \div 6 = 2$
$18 \div 6 = 3$
$24 \div 6 = 4$
$30 \div 6 = 5$
$36 \div 6 = 6$
$42 \div 6 = 7$
$48 \div 6 = 8$
$54 \div 6 = 9$
$60 \div 6 = 10$
$66 \div 6 = 11$
$72 \div 6 = 12$

Dividing by 7
$7 \div 7 = 1$
$14 \div 7 = 2$
$21 \div 7 = 3$
$28 \div 7 = 4$
$35 \div 7 = 5$
$42 \div 7 = 6$
$49 \div 7 = 7$
$56 \div 7 = 8$
$63 \div 7 = 9$
$70 \div 7 = 10$
$77 \div 7 = 11$
$84 \div 7 = 12$

Dividing by 8
$8 \div 8 = 1$
$16 \div 8 = 2$
$24 \div 8 = 3$
$32 \div 8 = 4$
$40 \div 8 = 5$
$48 \div 8 = 6$
$56 \div 8 = 7$
$64 \div 8 = 8$
$72 \div 8 = 9$
$80 \div 8 = 10$
$88 \div 8 = 11$
$96 \div 8 = 12$

Dividing by 9
$9 \div 9 = 1$
$18 \div 9 = 2$
$27 \div 9 = 3$
$36 \div 9 = 4$
$45 \div 9 = 5$
$54 \div 9 = 6$
$63 \div 9 = 7$
$72 \div 9 = 8$
$81 \div 9 = 9$
$90 \div 9 = 10$
$99 \div 9 = 11$
$108 \div 9 = 12$

Dividing by 10
$10 \div 10 = 1$
$20 \div 10 = 2$
$30 \div 10 = 3$
$40 \div 10 = 4$
$50 \div 10 = 5$
$60 \div 10 = 6$
$70 \div 10 = 7$
$80 \div 10 = 8$
$90 \div 10 = 9$
$100 \div 10 = 10$
$110 \div 10 = 11$
$120 \div 10 = 12$

Dividing by 11
$11 \div 11 = 1$
$22 \div 11 = 2$
$33 \div 11 = 3$
$44 \div 11 = 4$
$55 \div 11 = 5$
$66 \div 11 = 6$
$77 \div 11 = 7$
$88 \div 11 = 8$
$99 \div 11 = 9$
$110 \div 11 = 10$
$121 \div 11 = 11$
$132 \div 11 = 12$

Dividing by 12
$12 \div 12 = 1$
$24 \div 12 = 2$
$36 \div 12 = 3$
$48 \div 12 = 4$
$60 \div 12 = 5$
$72 \div 12 = 6$
$84 \div 12 = 7$
$96 \div 12 = 8$
$108 \div 12 = 9$
$120 \div 12 = 10$
$132 \div 12 = 11$
$144 \div 12 = 12$

All Operations (E)

Find each sum, difference, product, or quotient.

$\begin{array}{r} 12 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 19 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 13 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 39 \\ - 19 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ - 15 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 10 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ \div 10 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ \div 9 \\ \hline \end{array}$
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$\begin{array}{r} 17 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 91 \\ \div 7 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 80 \\ \div 4 \\ \hline \end{array}$	$\begin{array}{r} 19 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 26 \\ - 19 \\ \hline \end{array}$
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$\begin{array}{r} 5 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ + 20 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 14 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ - 11 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 21 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 19 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ \times 19 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 11 \\ \hline \end{array}$
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$\begin{array}{r} 96 \\ \div 12 \\ \hline \end{array}$	$\begin{array}{r} 48 \\ \div 16 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 18 \\ \hline \end{array}$	$\begin{array}{r} 19 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ \div 4 \\ \hline \end{array}$	$\begin{array}{r} 150 \\ \div 15 \\ \hline \end{array}$	$\begin{array}{r} 150 \\ \div 15 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 11 \\ \hline \end{array}$	$\begin{array}{r} 228 \\ \div 19 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 19 \\ \hline \end{array}$
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$\begin{array}{r} 15 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ \times 12 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \div 1 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 14 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 19 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 36 \\ - 20 \\ \hline \end{array}$
--	---	--	---	--	---	--	---	--	---

$\begin{array}{r} 11 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ + 14 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \div 2 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ \times 19 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ + 16 \\ \hline \end{array}$	$\begin{array}{r} 28 \\ - 19 \\ \hline \end{array}$
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$\begin{array}{r} 28 \\ - 13 \\ \hline \end{array}$	$\begin{array}{r} 105 \\ \div 15 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ - 16 \\ \hline \end{array}$	$\begin{array}{r} 247 \\ \div 13 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 18 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 240 \\ \div 16 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ \div 12 \\ \hline \end{array}$
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$\begin{array}{r} 15 \\ + 10 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 13 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 60 \\ \div 12 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 27 \\ - 12 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ - 17 \\ \hline \end{array}$
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$\begin{array}{r} 252 \\ \div 18 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 18 \\ \hline \end{array}$	$\begin{array}{r} 288 \\ \div 18 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \div 6 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ + 17 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 19 \\ \hline \end{array}$	$\begin{array}{r} 40 \\ \div 20 \\ \hline \end{array}$	$\begin{array}{r} 56 \\ \div 4 \\ \hline \end{array}$	$\begin{array}{r} 20 \\ \times 6 \\ \hline \end{array}$
---	---	---	--	--	---	---	--	---	---

$\begin{array}{r} 238 \\ \div 17 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 323 \\ \div 19 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ \div 3 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 30 \\ - 12 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 17 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \div 12 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ \times 8 \\ \hline \end{array}$
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3-Digit by 2-Digit Multiplication (A)

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 485 \\ \times 34 \\ \hline \end{array}$$

$$\begin{array}{r} 323 \\ \times 51 \\ \hline \end{array}$$

$$\begin{array}{r} 854 \\ \times 70 \\ \hline \end{array}$$

$$\begin{array}{r} 483 \\ \times 54 \\ \hline \end{array}$$

$$\begin{array}{r} 900 \\ \times 65 \\ \hline \end{array}$$

$$\begin{array}{r} 323 \\ \times 39 \\ \hline \end{array}$$

$$\begin{array}{r} 942 \\ \times 41 \\ \hline \end{array}$$

$$\begin{array}{r} 307 \\ \times 59 \\ \hline \end{array}$$

$$\begin{array}{r} 388 \\ \times 74 \\ \hline \end{array}$$

$$\begin{array}{r} 438 \\ \times 80 \\ \hline \end{array}$$

$$\begin{array}{r} 922 \\ \times 80 \\ \hline \end{array}$$

$$\begin{array}{r} 796 \\ \times 73 \\ \hline \end{array}$$

$$\begin{array}{r} 317 \\ \times 82 \\ \hline \end{array}$$

$$\begin{array}{r} 440 \\ \times 91 \\ \hline \end{array}$$

$$\begin{array}{r} 323 \\ \times 46 \\ \hline \end{array}$$

$$\begin{array}{r} 518 \\ \times 93 \\ \hline \end{array}$$

$$\begin{array}{r} 310 \\ \times 98 \\ \hline \end{array}$$

$$\begin{array}{r} 666 \\ \times 46 \\ \hline \end{array}$$

$$\begin{array}{r} 979 \\ \times 46 \\ \hline \end{array}$$

$$\begin{array}{r} 412 \\ \times 61 \\ \hline \end{array}$$

Score: /20

Student Name: _____

Score: _____

Fractions into Decimals

Sheet 1

Convert each fraction into decimal:

1) $\frac{27}{2} =$ <input type="text"/>	2) $\frac{3}{4} =$ <input type="text"/>	3) $\frac{18}{5} =$ <input type="text"/>
4) $\frac{7}{8} =$ <input type="text"/>	5) $\frac{13}{10} =$ <input type="text"/>	6) $\frac{47}{4} =$ <input type="text"/>
7) $\frac{2}{5} =$ <input type="text"/>	8) $\frac{29}{4} =$ <input type="text"/>	9) $\frac{35}{2} =$ <input type="text"/>
10) $\frac{17}{10} =$ <input type="text"/>	11) $\frac{45}{8} =$ <input type="text"/>	12) $\frac{39}{4} =$ <input type="text"/>
13) $\frac{26}{8} =$ <input type="text"/>	14) $\frac{30}{4} =$ <input type="text"/>	15) $\frac{48}{5} =$ <input type="text"/>
16) $\frac{49}{2} =$ <input type="text"/>	17) $\frac{34}{5} =$ <input type="text"/>	18) $\frac{3}{8} =$ <input type="text"/>

Long Division with Multiples of 10 (A)

Find each quotient.

$$70 \overline{) 4,130}$$

$$70 \overline{) 5,950}$$

$$40 \overline{) 1,800}$$

$$40 \overline{) 1,200}$$

$$60 \overline{) 1,320}$$

$$20 \overline{) 480}$$

$$20 \overline{) 780}$$

$$60 \overline{) 1,440}$$

$$70 \overline{) 5,320}$$

$$30 \overline{) 2,370}$$

$$80 \overline{) 5,840}$$

$$90 \overline{) 3,420}$$

$$40 \overline{) 920}$$

$$90 \overline{) 2,880}$$

$$50 \overline{) 1,800}$$

$$90 \overline{) 7,650}$$

3-Digit by 2-Digit Multiplication (A) Answers

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 485 \\ \times 34 \\ \hline 1,940 \\ 14,550 \\ \hline 16,490 \end{array}$$

$$\begin{array}{r} 323 \\ \times 51 \\ \hline 323 \\ 16,150 \\ \hline 16,473 \end{array}$$

$$\begin{array}{r} 854 \\ \times 70 \\ \hline 59,780 \end{array}$$

$$\begin{array}{r} 483 \\ \times 54 \\ \hline 1,932 \\ 24,150 \\ \hline 26,082 \end{array}$$

$$\begin{array}{r} 900 \\ \times 65 \\ \hline 4,500 \\ 54,000 \\ \hline 58,500 \end{array}$$

$$\begin{array}{r} 323 \\ \times 39 \\ \hline 2,907 \\ 9,690 \\ \hline 12,597 \end{array}$$

$$\begin{array}{r} 942 \\ \times 41 \\ \hline 942 \\ 37,680 \\ \hline 38,622 \end{array}$$

$$\begin{array}{r} 307 \\ \times 59 \\ \hline 2,763 \\ 15,350 \\ \hline 18,113 \end{array}$$

$$\begin{array}{r} 388 \\ \times 74 \\ \hline 1,552 \\ 27,160 \\ \hline 28,712 \end{array}$$

$$\begin{array}{r} 438 \\ \times 80 \\ \hline 35,040 \end{array}$$

$$\begin{array}{r} 922 \\ \times 80 \\ \hline 73,760 \end{array}$$

$$\begin{array}{r} 796 \\ \times 73 \\ \hline 2,388 \\ 55,720 \\ \hline 58,108 \end{array}$$

$$\begin{array}{r} 317 \\ \times 82 \\ \hline 634 \\ 25,360 \\ \hline 25,994 \end{array}$$

$$\begin{array}{r} 440 \\ \times 91 \\ \hline 440 \\ 39,600 \\ \hline 40,040 \end{array}$$

$$\begin{array}{r} 323 \\ \times 46 \\ \hline 1,938 \\ 12,920 \\ \hline 14,858 \end{array}$$

$$\begin{array}{r} 518 \\ \times 93 \\ \hline 1,554 \\ 46,620 \\ \hline 48,174 \end{array}$$

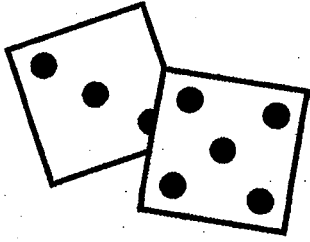
$$\begin{array}{r} 310 \\ \times 98 \\ \hline 2,480 \\ 27,900 \\ \hline 30,380 \end{array}$$

$$\begin{array}{r} 666 \\ \times 46 \\ \hline 3,996 \\ 26,640 \\ \hline 30,636 \end{array}$$

$$\begin{array}{r} 979 \\ \times 46 \\ \hline 5,874 \\ 39,160 \\ \hline 45,034 \end{array}$$

$$\begin{array}{r} 412 \\ \times 61 \\ \hline 412 \\ 24,720 \\ \hline 25,132 \end{array}$$

Score: /20



Subtracting Fractions Challenge

Make up your own equations to practice with a pair of dice. Roll the dice. Write the smaller number on top (the numerator) and the larger number on the bottom (the denominator) of a fraction. Roll again, write the next fraction, then add or subtract your fractions.
