Name: _

Complete each pattern. Write what the rule is.

$$\begin{array}{c} \frac{1}{3} & , \frac{2}{3} & , 1, 1 \frac{1}{3} & , 1 \frac{2}{3} & , 2, 2 \frac{1}{3} & , 2 \frac{2}{3} & , 3, \\ \\ & , & , \\ \end{array}$$

$$\frac{1}{3}, \dots, 1, 1, \frac{1}{3}, 1, \frac{2}{3}, 2, 2, \frac{1}{3}, \dots,$$

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

Complete each pattern. Write what the rule is.

| 5.6 | 11.2 | 16.8 |
|------|------|------|
| 22.4 | 28 | |
| 39.2 | 44.8 | |
| 56 | 61.6 | |

Can you draw lines to cover every number or shape in the picture?

You can only move left, right, up, or down. And definitely no starting or stopping in a blank spot! The first one is already done for you. Good luck.



Draw exactly 9 lines. Start on 1. Do not pick up your pencil. 5 4 4 10 8 3 9 7 1 5 1 6 7 2 3 Draw exactly 6 lines. Start on the square.

Do not pick up your pencil.



Draw exactly 6 lines.

Start on the square.

Do not pick up your pencil.





Name: _____

Only use a pencil to write the numbers on the blank lines. You do not need any scrap paper! Solve it in your head. If you forget a number, then start over. Cool, huh?



| imagine 3 in your head | imagine 5 in your head | imagine 4 in your head | imagine 8 in your head |
|---------------------------|---------------------------|---------------------------|--------------------------------------|
| multiply 6 | subtract 4 | add 1 | add 8 |
| subtract 8 | add 7 | subtract 3 | add 2 |
| | double it | add 3 | double it |
| | add 4 | | subtract 7 |
| | add 6 | | |
| Write the ones digit. | Write the ones digit. | Write the number. | Write the even digit in your answer. |
| A | В | C | D |

What is the sum? A + B + C + D

Wow! Great job! That's the answer, but do you know how to SPELL the number?

_____i____e_e___

| | | | $\overline{}$ |
|-------------|------------|-------------|---------------|
| 1 before 17 | 4 after 14 | 5 before 13 | |
| 8 before 19 | 1 after 17 | 6 before 14 | |
| 2 before 11 | 5 after 11 | 3 before 12 | |
| | | | |

Name: _____

| Justin just got a job at Lulu's Café cleaning off tables. The owner said that Justin could be a server next summer if he does a good job. Justin makes \$7.60 per hour. If Justin works $2 \frac{1}{2}$ hours a day for four days each week, how much money will he make each week? | Gavin and his two friends wrote a list of things they love about America. Gavin has twice as many reasons on his list as Jacob. Jacob has 9 reasons on his list. Jacob has 3 times as many reasons on his list as Jason. How many reasons do they have in all? | Gavin bought a new car. He found out that insurance on the car would cost him \$253.68 for a year. If he wants to add collision insurance, it will cost an extra \$12.57 per month. What will the yearly cost for Gavin's car be, if he adds collision insurance? |
|---|---|---|
|---|---|---|



of symmetry.



392 - 271 = _____

MathWorksheets.com Week of December 27



| 3 8 6 $2 \times 3 =$ $8 \times 5 =$ Jessica and April are playing a number game. Jessica says 8. April replies that the answer is 1. $7 \times 6 =$ Jessica says 48. April replies that the answer is 0. $7 \times 6 =$ $7 \times 6 =$ Jessica says 50. April is thinking. What number should April reply with? $12 \times 5 =$ 8 x 4 = How many dimes make \$3.30? $12 \times 5 =$ Circle the digit in the tenths place. What number is holfway between 12 and 18? 65.84 In the number 76.309.270, the digit 6 is in what place? 96 ÷ 8 = 96 ÷ 8 = 114 ÷ 12 = 88 ÷ 11 = 85.972 - 21.739 = 18 ÷ 3 = 18 ÷ 3 = 18 ÷ 3 = | | | | | | |
|--|--|---|--|---------------------|----------|--|
| Jessica and April are playing a number game. $7 \times 6 = $ Jessica says 8. April replies that the answer is 1. $7 \times 6 = $ Jessica says 22. April replies that the answer is 9. $7 \times 6 = $ Jessica says 25. April replies that the answer is 9. $7 \times 6 = $ Jessica says 24. April replies that the answer is 9. $7 \times 6 = $ Jessica says 25. April replies that the answer is 9. $7 \times 6 = $ Jessica says 25. April replies that the answer is 9. $12 \times 5 = $ 8 x 4 = How many dimes make \$3.30? $12 \times 5 = $ Circle the digit in the tenths place. What number is halfway between 12 and 18? 665.84 In the number 76,309,270, the digit 6 is in what place? $96 \div 8 = $ 144 ÷ 12 = $88 \div 11 = $ $85,972 - 21,739 = $ 18 ÷ 3 = $8 \div 11 = $ $85,972 - 21,739 = $ | 386 <u>-297</u> | 3 ÷ 2 = | 2 x 3 = | 8 x 5 | 5 = | |
| 8 x 4 = How many dimes make \$3.30? 12 x 5 = Circle the digit in the tenths place. What number is halfway between 12 and 18? 665.84 In the number 76,309,270, the digit 6 is in what place? 96 ÷ 8 = 96 ÷ 8 = 144 ÷ 12 = 88 ÷ 11 = 85,972 - 21,739 = 18 ÷ 3 = 11 = 11 = | Jessica and April ar Jessica says 8. Apri Jessica says 48. Ap Jessica says 72. Ap Jessica says 56. Ap April reply with? | re playing a number g il replies that the answ ril replies that the ans ril replies that the ans ril is thinking. What nu | game. ver is 1. wer is 6. wer is 9. umber should | 7 x 6 = | | |
| Circle the digit in the tenths place. What number is halfway between 12 and 18? 665.84 In the number 76,309,270, the digit 6 is in what place? $96 \div 8 =$ 96 \div 8 = 144 ÷ 12 = 88 ÷ 11 = 18 ÷ 3 = 85,972 - 21,739 = | 8 x 4 = | How many dimes ma | ake \$3.30? | 12 x 5 = | | |
| $6 \div 2 =$ In the number 76,309,270, the digit 6 is in what place? $96 \div 8 =$ $144 \div 12 =$ $88 \div 11 =$ $85,972 - 21,739 =$ $18 \div 3 =$ $85,972 - 21,739 =$ | Circle the digit in the 665.84 | e tenths place. | What number between 12 an | is halfway d 18? | | |
| 144 ÷ 12 = 88 ÷ 11 = 85,972 - 21,739 = | 6 ÷ 2 = | In the number 76,3 what place? | 309,270, the digit | 6 is in | 96 ÷ 8 = | |
| | 144 ÷ 12 = 18 ÷ 3 = | 88 ÷ 11 = | 85,972 - 2 | 1,739 = | | |



This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: $7\frac{1}{3}$, $8\frac{3}{8}$, or $1\frac{7}{8}$. The other three numbers have to all be DIFFERENT and must be from these: $3\frac{2}{3}$, $5\frac{1}{3}$, $6\frac{1}{3}$, or $\frac{2}{3}$.



Name: .

Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square. Exactly one of the four numbers has to be one of these numbers: $4\frac{4}{9}$, $9\frac{8}{9}$, or $5\frac{1}{2}$. The other three numbers have to all be DIFFERENT and must be from these: $1\frac{1}{3}$, $3\frac{7}{9}$, $7\frac{5}{9}$,



| Name: | |
|--|---|
| When you divide 38 by 5, you will get a quotient of 7 with a remainder of 3. | There is a remainder of 8 when you divide 53 by 9. |
| How many other different remainders can you get if you divide other whole numbers by 5? Give an example of each. | Can you give three more examples of a number divided by 9 giving you a remainder of 8? |
| | Ava is playing FastPoints on her phone. She started with 312 points. She hit the triple-your-points zapper. Then she hit the +89 star right before her game ended. How many points did she end up with? |
| a. Show where 30 should go. | |
| b. Show where 25 should go. | |
| c. Show where 18 should go. | Hannah is playing FastPoints on her phone. She hit the double-your-points zapper. Then she hit the +95 star right before her game ended. She ended with 795 points. How many points did she start with? |
| | |

MathWorksheets.com Week of December 27



Use a protractor to make a copy of each triangle.













Name: _

Find the missing numbers. These both have the same rule. What is the rule? If Tf 1,1=1 5,5=25 2,2=4 6,6=36 3,3=9 7,7=49 8,8=64 4.4 = 16 Then Then 9,9=? 12,12 = ? Hint: The answer is NOT 25.

Complete each pattern. Write what the rule is.

| 45, 47, 52, 60, 71, 85, 102, 122, | ,, 200, 232, 267 |
|-----------------------------------|------------------|
|-----------------------------------|------------------|

39, ____, 46, ____, 79, 96, 116, 139, 165, 194, 226



