

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?

Mental Math



= Do it
in your
head!

imagine 9 in your head

multiply 9

add 7

Add the tens digit to the ones digit.
Write the sum.

A B

imagine 6 in your head

multiply 7

subtract 6

subtract 9

subtract 8

Write the tens digit.

C

imagine 7 in your head

double it

subtract 9

subtract 2

Write the number.

D

imagine 8 in your head

subtract 3

subtract 5

add 3

Write the number.

E

What is the sum?

A + B + C + D + E

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

_____ e _ e _____

8 after 15 _____

8 before 19 _____

4 after 19 _____

7 after 16 _____

7 before 17 _____

2 after 18 _____

3 after 14 _____

4 before 13 _____

6 after 12 _____

5 after 13 _____

3 before 15 _____

9 after 17 _____

Name: _____

Mental Math



= Do it
in your
head!



	+1	-1	+10	-10	+5	-5	+100
56							
39							
67							
42							
75							
81							
424							
363							
688							
850							
133							
240							

Name: _____

Hunter is 7 years older than Megan. Pam is 2 years older than Hunter. Jason is 4 years younger than Pam. Megan is 16 years old.

How old is everyone else?

Round 469 to the nearest hundred.

In the parking lot there are 13 vehicles. There are 2 SUVs. What fraction of the vehicles are not SUVs?

triple 53 =

Draw a small clock that shows 20 minutes to 10:00.

Is 768 closer to 700 or 800?

If you exchange 100 dimes for dollars, then how many dollars would you get?

Name: _____

Nathan is taking a 24-hour walk challenge. He is trying to stay awake for 24 hours and plans to walk as far as he can. Each hour he plans to sit and rest for only 6 minutes. If he is able to do this, how long will he spend walking and not resting during the 24 hours?

_____ hours and _____ minutes

Double the number 10
three times.

$$24 \div 8 =$$

How many tens are in the
number 9,600?

Round 66 to the nearest
ten.

Write a 3-digit even
number.

Holly has 40 books. She
organized them equally
into 5 boxes. How many
books in each box?

Calculate the product of 11
and 2.

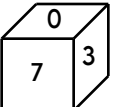
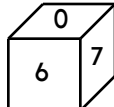
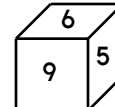
If $q = 17$, then what does $q - 10$ equal?



Name: _____

<p>Gavin made a display for the school library. It was about recycling. He used three sheets of poster board for the display. He bought the poster board at Fred's Art Supplies. It cost \$2.50 for the three sheets. He gave the clerk \$5. How much change did he get?</p>	<p>Justin believes that an apple a day keeps the doctor away. He did a survey that showed 18 students ate both apples and pears, 15 liked both oranges and apples, 7 liked only oranges, and 6 liked all three fruits. How many students did Justin survey?</p>	<p>Mr. Smith asked his students to write about their favorite April Fool's Day joke. Jack worked hard on his story; it was a very funny joke. It took him an hour and 20 minutes to write the story and draw pictures to go with it. If he started on the story at 4:30 p.m., what time did he finish it?</p>
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<p>Fill in the missing fraction.</p> $\frac{5}{9} \quad , \quad \underline{\hspace{2cm}} \quad , \quad \frac{7}{9} \quad , \quad \frac{8}{9}$	<p>Write two odd numbers that when added together equal the even number 18.</p> <p>_____</p>	<p><input type="radio"/> boyy</p> <p><input type="radio"/> booy</p> <p><input type="radio"/> biy</p> <p><input type="radio"/> boy</p>
---	--	---

<p>This is the look at one cube that is turned around a few times.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <p>This pattern can be folded into the cube. Fill in the missing boxes.</p> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; width: 40px; height: 40px; text-align: center; line-height: 40px; margin-right: 5px;">9</div> <div style="border: 1px solid black; width: 40px; height: 40px; text-align: center; line-height: 40px; margin-right: 5px;"> </div> <div style="border: 1px solid black; width: 40px; height: 40px; text-align: center; line-height: 40px; margin-right: 5px;">7</div> <div style="border: 1px solid black; width: 40px; height: 40px; text-align: center; line-height: 40px; margin-right: 5px;">5</div> </div> <div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; width: 40px; height: 40px; text-align: center; line-height: 40px; margin-right: 5px;"> </div> <div style="border: 1px solid black; width: 40px; height: 40px; text-align: center; line-height: 40px;">6</div> </div>	<p>How many 6s are in 36?</p> <p>_____</p>	<div style="text-align: right; padding-right: 10px;"> $\begin{array}{r} 17 \\ + 87 \\ \hline \end{array}$ </div>
	<p>Adam's grandfather sent him an e-mail birthday card. The card had a picture of 2 quarters, 5 dimes, and 5 pennies on it. How much money is that?</p>	

Name: _____

What Words? Your Words!

Fill in the boxes with letters to make words. Each box is worth points. Earn points by filling in as many boxes as you can. Sum up the points you earn for each word.

Make a Word

Sum

1 2 4 6 8 14
A N I M A L

21

1 2 4 6 10
P A

1 2 6
T E

1 2 4 8 12 18 24
U

1 2 6 12
C H A

Make a Word

Sum

1 2 4 8 14 20
C R

1 2 4 8 12 18 24
U

1 2
C A

1 2 6
V E

1 2 4 6 10 16 22
T

Write a fraction to represent what is shaded.



How many seconds are in two minutes?

What is the value of the BIG digit?

458,060

Round 364,978 to the nearest ten-thousand.

$$\begin{array}{r} 62 \\ + 67 \\ \hline \end{array}$$

- ☐ tre
- ☐ tiri
- ☐ tire
- ☐ tiur

One side of a square measures five centimeters. What is the area of this square?

List the first five multiples of 9.



word root **tact** can mean **touch**

contact, intact, tactile

Name: _____

Complete each analogy with the best word.

map	discovered	ruin
clean	fear	smog
compass	make beautiful	

Calculate the sum of 6, 16, and 16.

beautify : pollute ::

improve : _____

lost : found ::

unknown : _____

$$\begin{array}{r} 6 \\ 8 \\ + 33 \\ \hline \end{array}$$

What is half of 24?

Write a word to describe December.



Make a pattern.

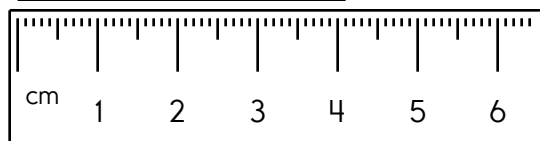
Start with 82.

Subtract 10.

_____, _____, _____, _____, _____, _____

Is 98 larger than 89?

Write the length in centimeters.



Circle the helping verb in the sentence.

I have finished my list of chores.

Is 74 closer to 70 or 80?

How many hours are in two days?

$$\begin{array}{r} 90 \\ + 52 \\ \hline \end{array}$$

The factors of 24 are 1 _____ 24

Name: _____

$$\begin{array}{r} 1,697 \\ - 963 \\ \hline \end{array}$$

$$\begin{array}{r} 982 \\ + 903 \\ \hline \end{array}$$

$$\begin{array}{r} 1,303 \\ - 963 \\ \hline \end{array}$$

$$\begin{array}{r} 744 \\ + 887 \\ \hline \end{array}$$

$$\begin{array}{r} 218 \\ + 685 \\ \hline \end{array}$$

$$\begin{array}{r} 1,611 \\ - 729 \\ \hline \end{array}$$

$$\begin{array}{r} 321 \\ + 714 \\ \hline \end{array}$$

$$\begin{array}{r} 953 \\ + 991 \\ \hline \end{array}$$

$$\begin{array}{r} 1,510 \\ - 911 \\ \hline \end{array}$$

$$\begin{array}{r} 169 \\ + 173 \\ \hline \end{array}$$

$$\begin{array}{r} 1,634 \\ - 824 \\ \hline \end{array}$$

$$\begin{array}{r} 1,606 \\ - 918 \\ \hline \end{array}$$

$$\begin{array}{r} 1,511 \\ - 785 \\ \hline \end{array}$$

$$\begin{array}{r} 1,091 \\ - 910 \\ \hline \end{array}$$

$$\begin{array}{r} 876 \\ + 668 \\ \hline \end{array}$$

$$\begin{array}{r} 255 \\ + 181 \\ \hline \end{array}$$

$$\begin{array}{r} 866 \\ + 685 \\ \hline \end{array}$$

$$\begin{array}{r} 1,395 \\ - 442 \\ \hline \end{array}$$

$$\begin{array}{r} 871 \\ + 175 \\ \hline \end{array}$$

$$\begin{array}{r} 759 \\ - 441 \\ \hline \end{array}$$

$$\begin{array}{r} 355 \\ + 421 \\ \hline \end{array}$$

$$\begin{array}{r} 1,078 \\ - 588 \\ \hline \end{array}$$

$$\begin{array}{r} 647 \\ + 918 \\ \hline \end{array}$$

$$\begin{array}{r} 1,280 \\ - 446 \\ \hline \end{array}$$

$$\begin{array}{r} 793 \\ + 225 \\ \hline \end{array}$$

$$\begin{array}{r} 1,623 \\ - 930 \\ \hline \end{array}$$

$$\begin{array}{r} 917 \\ + 687 \\ \hline \end{array}$$

$$\begin{array}{r} 650 \\ - 471 \\ \hline \end{array}$$

$$\begin{array}{r} 206 \\ + 699 \\ \hline \end{array}$$

$$\begin{array}{r} 892 \\ - 256 \\ \hline \end{array}$$

$$\begin{array}{r} 821 \\ - 372 \\ \hline \end{array}$$

$$\begin{array}{r} 293 \\ + 496 \\ \hline \end{array}$$

$$\begin{array}{r} 503 \\ + 988 \\ \hline \end{array}$$

$$\begin{array}{r} 749 \\ - 487 \\ \hline \end{array}$$

$$\begin{array}{r} 516 \\ - 335 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 3 \\ \hline \square \\ + 8 \end{array}$$

$$\begin{array}{r} 19 \\ + \square \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ - \square \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 3 \\ \hline \square \end{array}$$

$$\begin{array}{r} - 4 \\ \hline 26 \end{array}$$

$$\begin{array}{r} + \square \\ \hline 32 \end{array}$$

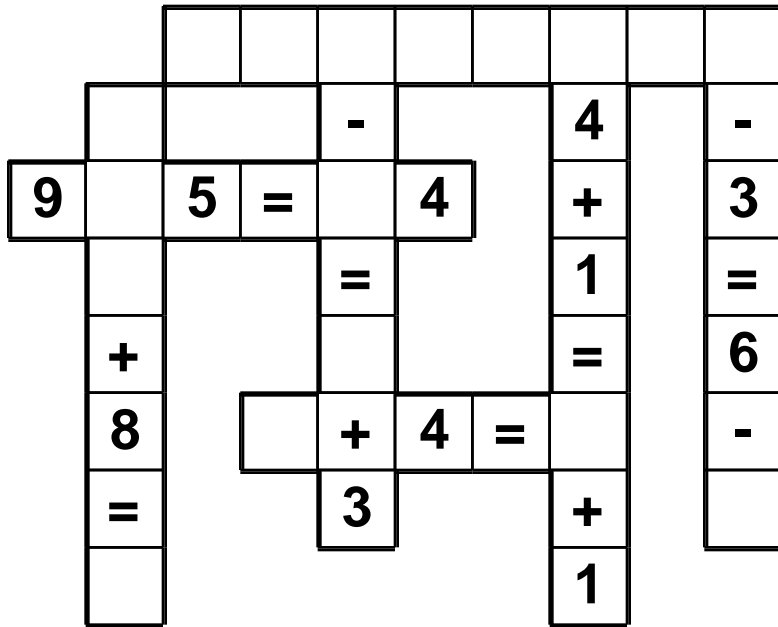
$$\begin{array}{r} - \square \\ \hline 24 \end{array}$$

$$\begin{array}{r} - \square \\ \hline 16 \end{array}$$

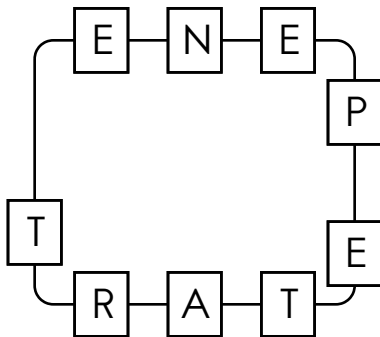
Name: _____

9 • - • 7 • = • 1 • 0 • - • 8 • 0 • + • 1 • 0 • 3 • 0 • 4 • 1 • 8

Use the pieces above to help you fill in the runaway math puzzle.



Write the hidden word. Start at one letter and then move either left or right.



Add one hundred to 754.

$$\begin{array}{r} 97 \\ - 20 \\ \hline \end{array}$$



$$7 \overline{)42}$$

Put these adjectives in the correct order.
red, ripe, delicious

Name: _____

Write all the factors for each number.

28 1, 2, 4, 7, 14, 28

42 _____, _____, _____, _____, _____, _____, _____

9 _____, _____, _____

What are the first three multiples of 7?

If $\square = 7$, then $3 + \square =$ _____



$$6 \overline{)36}$$

Write > or <.

9,819 \bigcirc 9,719

8,801 \bigcirc 6,945

5,293 \bigcirc 5,392

754 \bigcirc 554

425 \bigcirc 415

3,885 \bigcirc 4,869

7,365 \bigcirc 7,395

2,996 \bigcirc 2,699

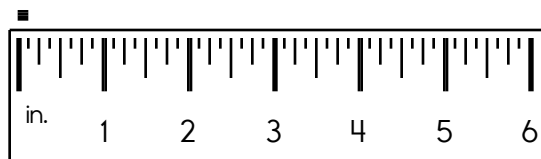
3,705 \bigcirc 3,505

What is the area of a rectangle that measures 9 cm by 4 cm?

Round the number to the place value of the BIG number.

7,6**2**,1353

Write the length in inches.



What are 10 equal to?

How many days are in September?

$$\begin{array}{r} 45 \\ + 93 \\ \hline \end{array}$$

$$72 - 3 = \underline{\hspace{2cm}}$$

Write the unshaded part as a decimal.



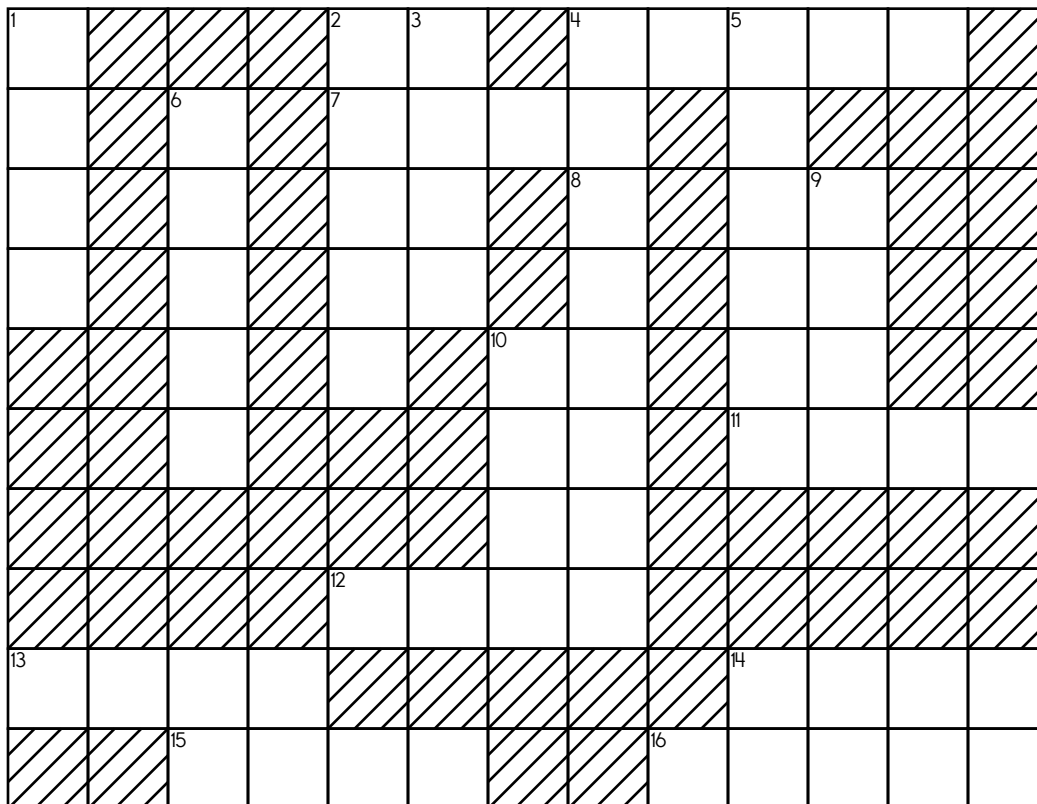
Name: _____

ACROSS

DOWN

4. the ten thousands in 6-Down + the hundreds in 1-Down + the ones in 16-Across + the tens in 2-Down
7. the hundreds in 5-Down + the ones in 8-Down + the thousands in 1-Down
11. the tens in 3-Down + the hundreds in 5-Down + the ones in 12-Across + the thousands in 2-Down
12. the hundreds in 7-Across + the thousands in 1-Down + the ones in 2-Down
13. the hundreds in 1-Down + the ones in 12-Across + the thousands in 3-Down
14. the thousands in 6-Down + the tens in 2-Down + the hundreds in 12-Across
15. the ones in 11-Across + the hundreds in 5-Down + the thousands in 12-Across
16. the ten thousands in 8-Down + the thousands in 12-Across + the ones in 6-Down

1. **six thousand, eight hundred seventy-five**
2. the tens in 5-Down + the thousands in 1-Down + the ten thousands in 8-Down + the ones in 7-Across
3. the thousands in 7-Across + the ones in 1-Down + the hundreds in 8-Down + the tens in 5-Down
5. eight hundred sixty-eight thousand, five hundred ninety-six
6. the tens in 1-Down + the thousands in 13-Across + the ten thousands in 5-Down + the ones in 11-Across
8. three hundred seventy-two thousand, five hundred forty-seven
9. the thousands in 13-Across + the hundreds in 8-Down + the ones in 3-Down
10. the thousands in 11-Across + the hundreds in 12-Across + the tens in 2-Down



Name: _____

Each row, column, and box must have the numbers 1 through 6.

	3		2		
		5			
		3	4	5	
		4	3		
3	2	6		4	

occupy • inform • increase • televise • twinkle • release

Each row, column, and box must have all the words from the word list. Write in the missing words.

inform	increase		release		
twinkle		release			
				occupy	
release					inform
increase					
			twinkle		televise

Name: _____

	+	+	=	
	B	B	C	33
+	C	B	A	29
=	?	26	16	

Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

$$B + B + C = 33 \quad C + B + \underline{\quad} = 29 \quad \underline{\quad} + \underline{\quad} = 26$$

$$\underline{\quad} + \underline{\quad} = 16$$

Additional hints:

$$C < 10 \quad B = C + 6 \quad B \text{ is the largest.}$$

Show Work:

Solve:

$$? = \underline{\quad}$$



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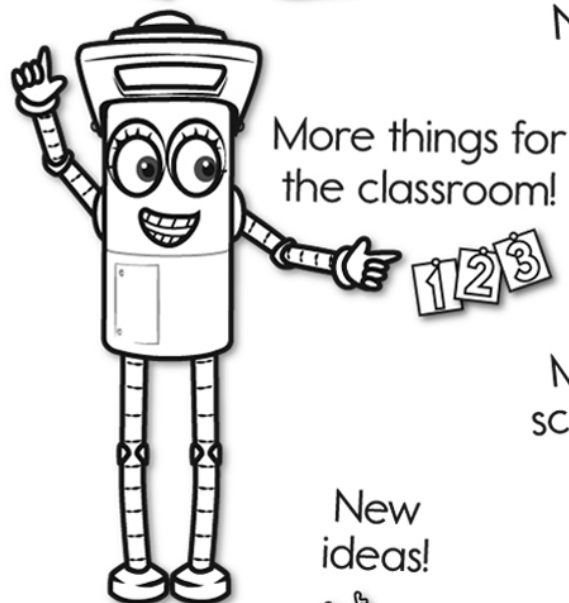
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