



Rising Third Grade

Summer Math



Rising Third Grade Summer Math

Complete each fact family.

12, 4, 8

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

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

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

5, 7, 12

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

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

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

7, 8, 15

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

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

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

17, 9, 8

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

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

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

9, 19, 10

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

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

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

6, 8, 14

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

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

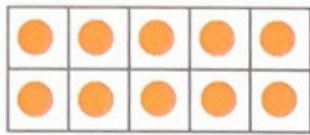
$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$



Rising Third Grade Summer Math

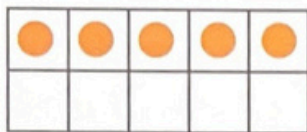
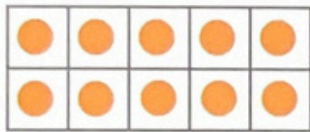
Subtract by making a 10.



$$13 - 6 = ?$$

$$13 - \underline{\quad\quad\quad} - \underline{\quad\quad\quad} = ?$$

$$10 - \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$



$$15 - 6 = ?$$

$$15 - \underline{\quad\quad\quad} - \underline{\quad\quad\quad} = ?$$

$$10 - \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

Subtract by making a 10.

$$13 - 4 = ?$$

$$\underline{13} - \underline{3} - \underline{1} = ?$$

$$\underline{10} - \underline{1} = \underline{9}$$

$$14 - 5 = ?$$

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

$$\underline{\quad\quad\quad} - \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

$$15 - 7 = ?$$

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

$$\underline{\quad\quad\quad} - \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

$$16 - 9 = ?$$

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

$$\underline{\quad\quad\quad} - \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

$$14 - 6 = ?$$

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

$$\underline{\quad\quad\quad} - \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

$$17 - 8 = ?$$

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

$$\underline{\quad\quad\quad} - \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$



Rising Third Grade Summer Math

Answer each question about Mr. Gibson's farm.

Mr. Gibson has 10 cows with black spots and 10 cows with brown spots. How many cows does he have in all?

_____ cows

The farm has 3 barns. Each barn holds 6 horses. How many horses are there in all?

_____ horses

Mr. Gibson has 5 brown goats, 5 white goats, and 5 black goats. How many goats does he have in all?

_____ goats

Mr. Gibson's fence is broken in 3 places. He needs 7 pieces of wood to fix each place. How many pieces of wood does Mr. Gibson need to fix his fence?

_____ pieces of wood

The tractors and trucks on the farm need new tires. Mr. Gibson bought 8 new tractor tires and 8 new truck tires. How many tires did he buy?

_____ tires



Let's Learn!

Sometimes you need to regroup when you add. For example, try it with $35 + 27$.

$$\begin{array}{r} 1 \\ 35 \\ + 27 \\ \hline \end{array} \quad 5 + 7 = 12$$

$$\begin{array}{r} 1 \\ 35 \\ + 27 \\ \hline 62 \end{array} \quad 1 + 3 + 2 = 6$$

First, line up the numbers.

Add the **ones**. The sum is 12, which doesn't fit below the ones.

Remember that 12 is the same as 1 ten and 2 ones. Put the 2 in the ones column, and move the 1 to the tens column.

Now, add all the **tens**. Write the sum below the line.

The number below the line is the answer! So, $35 + 27 = 62$.

Add.

$$\begin{array}{r} 1 \\ 46 \\ + 35 \\ \hline 81 \end{array}$$

$$\begin{array}{r} 28 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ + 36 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ + 57 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ + 36 \\ \hline \end{array}$$



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Follow the path!

If the sum is less than 50, move one square to the left.

If the sum is between 50 and 80, move one square down.

If the sum is greater than 80, move one square to the right.

START ↓

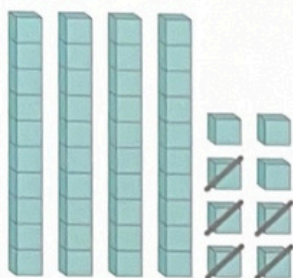
$\begin{array}{r} 55 \\ +28 \\ \hline \end{array}$	$\begin{array}{r} 68 \\ +26 \\ \hline \end{array}$	$\begin{array}{r} 21 \\ +40 \\ \hline \end{array}$	$\begin{array}{r} 39 \\ +48 \\ \hline \end{array}$	$\begin{array}{r} 57 \\ +17 \\ \hline \end{array}$
$\begin{array}{r} 44 \\ +15 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ +28 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ +17 \\ \hline \end{array}$	$\begin{array}{r} 57 \\ +25 \\ \hline \end{array}$	$\begin{array}{r} 29 \\ +29 \\ \hline \end{array}$
$\begin{array}{r} 36 \\ +16 \\ \hline \end{array}$	$\begin{array}{r} 44 \\ +55 \\ \hline \end{array}$	$\begin{array}{r} 63 \\ +21 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ +38 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ +22 \\ \hline \end{array}$
$\begin{array}{r} 59 \\ +39 \\ \hline \end{array}$	$\begin{array}{r} 46 \\ +43 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ +27 \\ \hline \end{array}$	$\begin{array}{r} 57 \\ +22 \\ \hline \end{array}$	$\begin{array}{r} 62 \\ +19 \\ \hline \end{array}$
$\begin{array}{r} 74 \\ +19 \\ \hline \end{array}$	$\begin{array}{r} 29 \\ +35 \\ \hline \end{array}$	$\begin{array}{r} 59 \\ +20 \\ \hline \end{array}$	$\begin{array}{r} 81 \\ +13 \\ \hline \end{array}$	$\begin{array}{r} 44 \\ +28 \\ \hline \end{array}$

FINISH ↓



Let's Learn!

You can use blocks to subtract larger numbers. Try it with $48 - 5$.



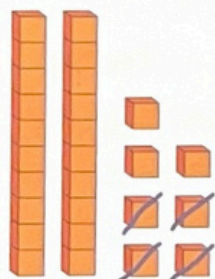
Use 4 tens blocks and 8 ones blocks to show 48.

Subtract 5 by crossing out 5 of the ones blocks.

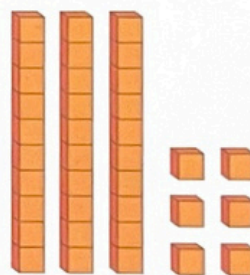
Count how many blocks are left. There are 4 tens blocks and 3 ones blocks.

So, $48 - 5 = 43$.

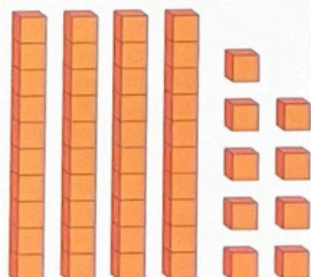
Cross out blocks to subtract.



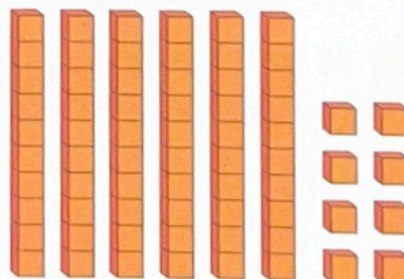
$$27 - 4 = \underline{23}$$



$$36 - 6 = \underline{\quad}$$



$$49 - 8 = \underline{\quad}$$



$$68 - 5 = \underline{\quad}$$



Subtract.

$$\begin{array}{r} 63 \\ -26 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ -57 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ -67 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ -24 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ -38 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ -28 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ -45 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ -67 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ -47 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ -18 \\ \hline \end{array}$$

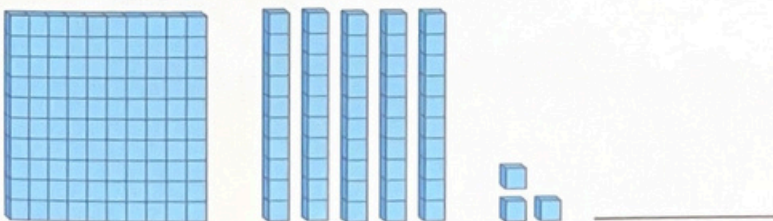
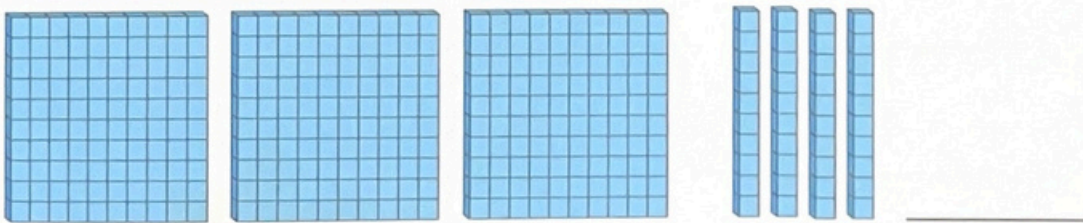
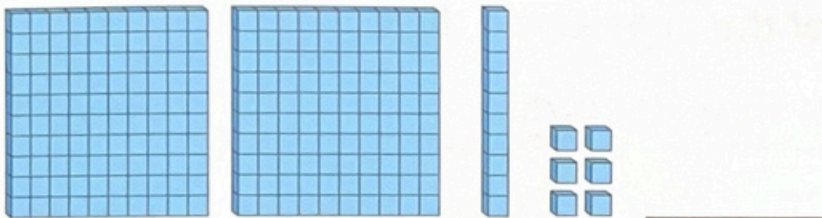
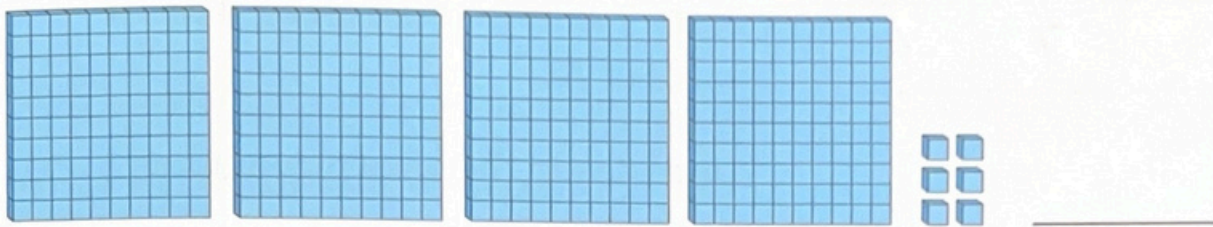
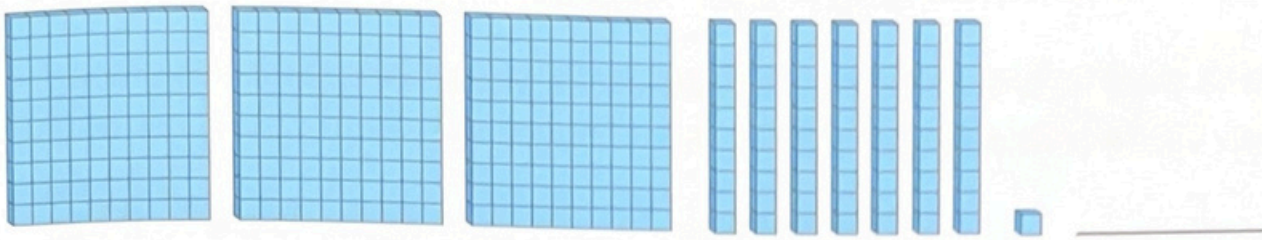
$$\begin{array}{r} 87 \\ -49 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ -36 \\ \hline \end{array}$$



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Write the number for each model.





Rising Third Grade Summer Math

Let's Learn!

You can use place value to subtract larger numbers, too! Subtract the **ones** first, the **tens** second, and the **hundreds** last.

$$\begin{array}{r} 639 \\ - 135 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 639 \\ - 135 \\ \hline 04 \end{array}$$

$$\begin{array}{r} 639 \\ - 135 \\ \hline 504 \end{array}$$

So, $639 - 135 = 504$!

Subtract.

$$\begin{array}{r} 562 \\ - 151 \\ \hline 411 \end{array}$$

$$\begin{array}{r} 456 \\ - 213 \\ \hline \end{array}$$

$$\begin{array}{r} 326 \\ - 121 \\ \hline \end{array}$$

$$\begin{array}{r} 674 \\ - 523 \\ \hline \end{array}$$

$$\begin{array}{r} 947 \\ - 425 \\ \hline \end{array}$$

$$\begin{array}{r} 898 \\ - 704 \\ \hline \end{array}$$

$$\begin{array}{r} 709 \\ - 603 \\ \hline \end{array}$$

$$\begin{array}{r} 996 \\ - 384 \\ \hline \end{array}$$

$$\begin{array}{r} 693 \\ - 472 \\ \hline \end{array}$$



Let's Learn!

Sometimes you need to regroup when you subtract larger numbers. Start with the same steps as before.

$$\begin{array}{r} \overline{16} \\ 4 \cancel{3} \cancel{6} \\ - 1 \cancel{4} \cancel{8} \\ \hline \overline{16} \\ \overline{8} \end{array}$$

Subtract the **ones**. You can't do $6 - 8$, so you need to borrow from the tens.

Cross out the 3 and write 2. Cross out the 6 and write 16. Now you can subtract.

$$\begin{array}{r} \overline{12} \overline{16} \\ \cancel{4} \cancel{3} \cancel{6} \\ - 1 \cancel{4} \cancel{8} \\ \hline \overline{12} \overline{16} \\ \overline{8} \overline{8} \end{array}$$

Keep going. Subtract the **tens**. You can't do $2 - 4$, so you need to borrow from the hundreds.

Cross out the 4 and write 3. Change the 2 to a 12. Now you can subtract.

$$\begin{array}{r} \overline{12} \overline{16} \\ \cancel{4} \cancel{3} \cancel{6} \\ - 1 \cancel{4} \cancel{8} \\ \hline \overline{12} \overline{16} \\ \overline{2} \overline{8} \overline{8} \end{array}$$

Finally, subtract the **hundreds**.

So, $436 - 148 = 288$!



Rising Third Grade Summer Math

Subtract. Compare each pair of differences using $>$, $<$, or $=$.

$$380 - 278$$

$$\begin{array}{r} \overset{7}{3} \overset{10}{\cancel{8}\cancel{0}} \\ - 278 \\ \hline 102 \end{array}$$



$$521 - 453$$

$$\begin{array}{r} \overset{4}{\cancel{5}} \overset{11}{\cancel{2}} \overset{11}{\cancel{1}} \\ - 453 \\ \hline 68 \end{array}$$

$$876 - 391$$



$$724 - 409$$

$$625 - 267$$



$$844 - 482$$

$$788 - 399$$



$$765 - 379$$



Rising Third Grade Summer Math

Find the value of the coins. Then circle the group with the largest value on the page.



_____ ¢



_____ ¢



_____ ¢



_____ ¢



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Let's Learn!

You can write dollars and cents using a decimal point. The number of dollars comes before the decimal point. The number of cents comes after the decimal point. Remember to use a dollar sign.



10 dollars and 31 cents
\$10.31

Write the total value of the coins and bills.



\$5.07



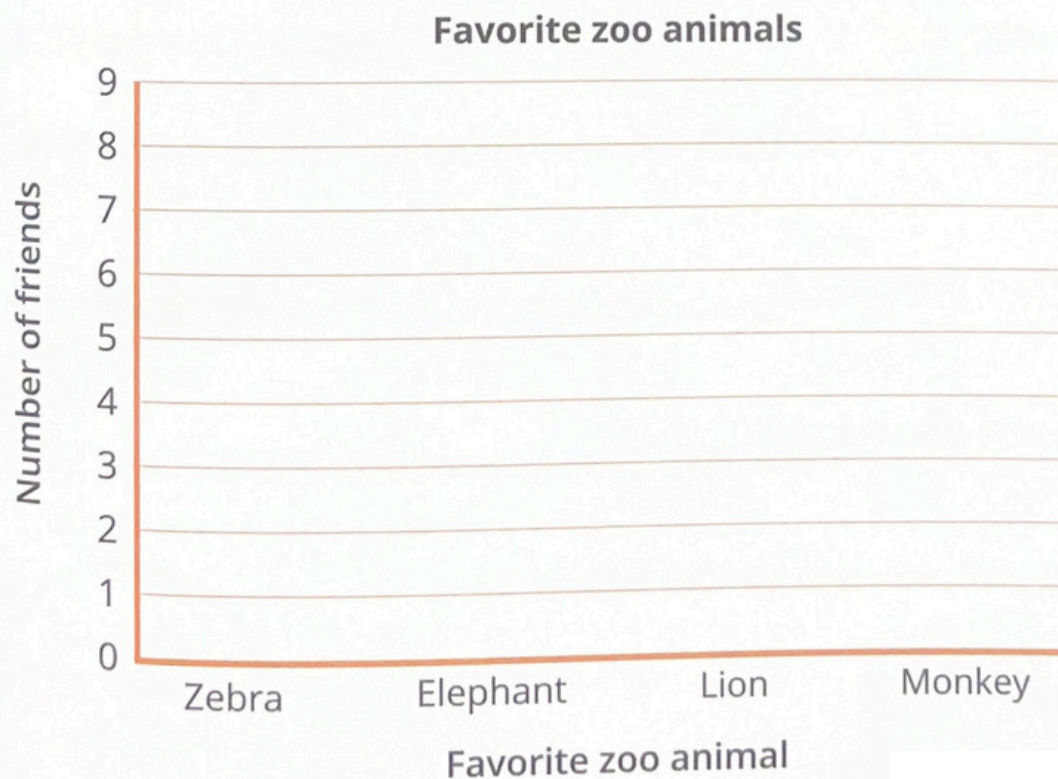


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Malcolm asked his friends their favorite zoo animal. He showed their answers in a tally chart.

Favorite zoo animal		Number of friends
	Zebra	
	Elephant	
	Lion	
	Monkey	

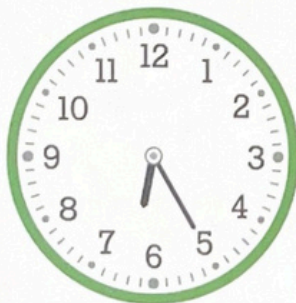
Use the tally chart to complete the bar graph.





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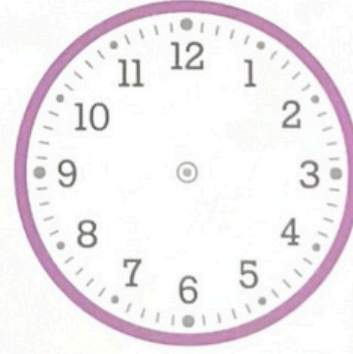
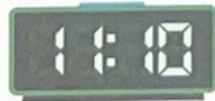
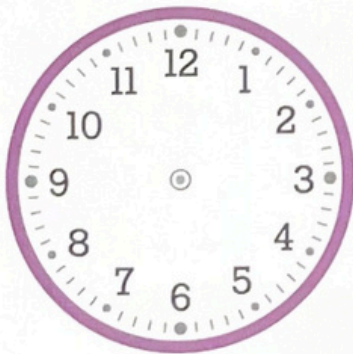
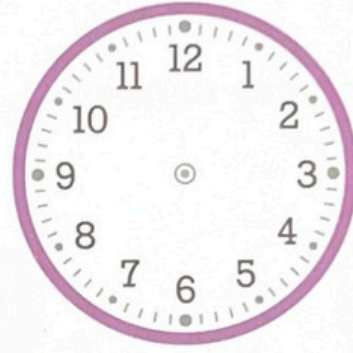
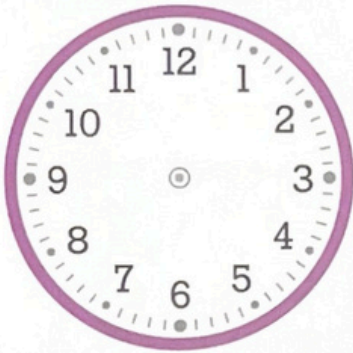
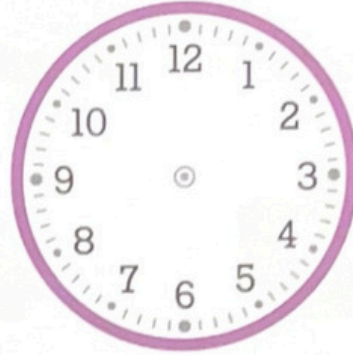
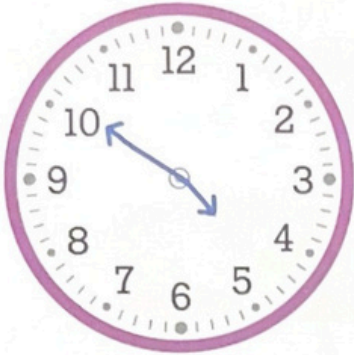
Draw a line between the matching times.





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Draw hands on the clock to show the time.





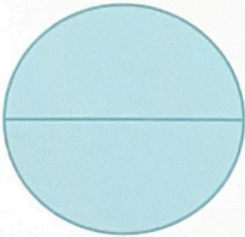
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Let's Learn!

There are special names for different numbers of equal shares. Here are some of those names.

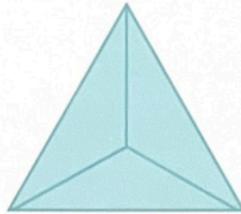
Halves

2 equal shares



Thirds

3 equal shares



Fourths

4 equal shares



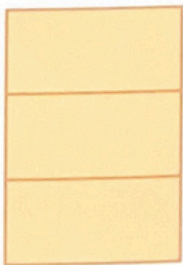
Name the parts for each shape.

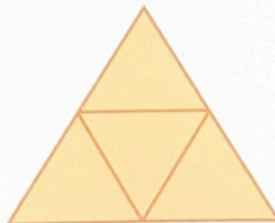


FOURTHS











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Split each shape into equal shares.

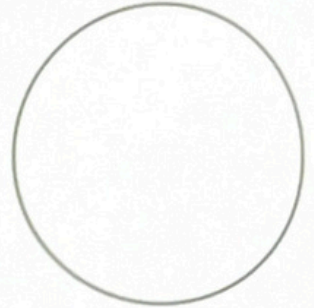
thirds



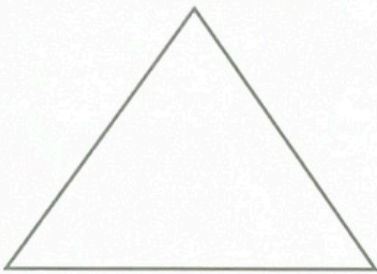
fourths



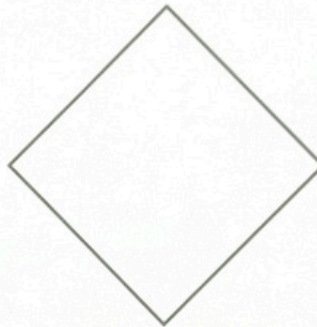
halves



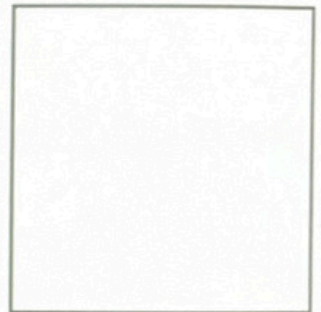
halves



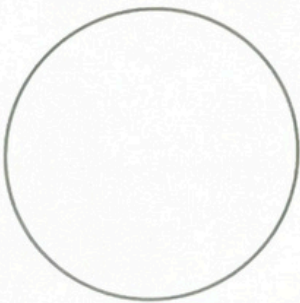
fourths



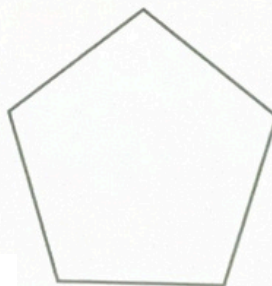
thirds



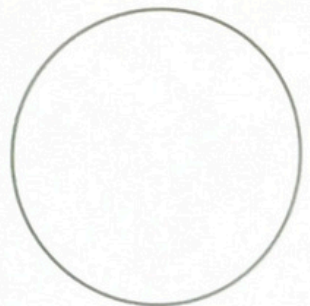
fourths



halves



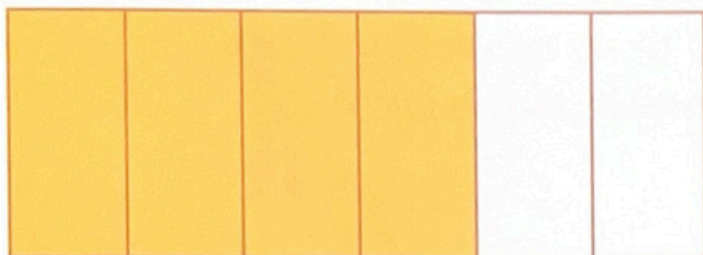
thirds





Let's Learn!

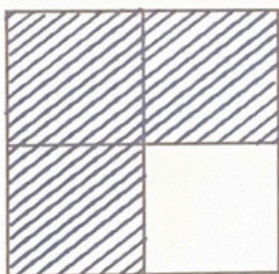
You can name more than one equal share, too.



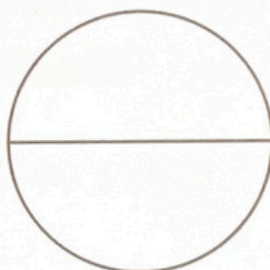
For example, this rectangle shows sixths. There are four shaded pieces. So, this rectangle shows **four sixths**.

Shade the shape to show the equal shares.

three fourths



two halves



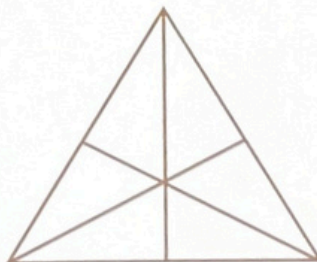
two thirds



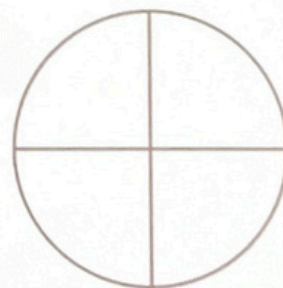
five eighths



three sixths



two fourths





Rising Third Grade Summer Math

Solve each problem.

Judy's mom filled a piñata with lollipops and chocolate bars. The bags of candy she bought are shown below. Did she buy more lollipops or chocolate bars?



How many candies did Judy's mom buy in all?

_____ candies



The piñata could only hold 205 candies. How many candies were left over?

_____ candies

The bags below show the number of candies some friends got from the piñata. Circle the bags with even numbers.



