

First grade math test

1. Which numbers comes next?

14 , 15 , 16 , 17, _____ ,

$14 + 1 = 15$ and $15 + 1 = 16$

So, 1 must be added to get the next number.

We get 14, 15, 16, 17, 18

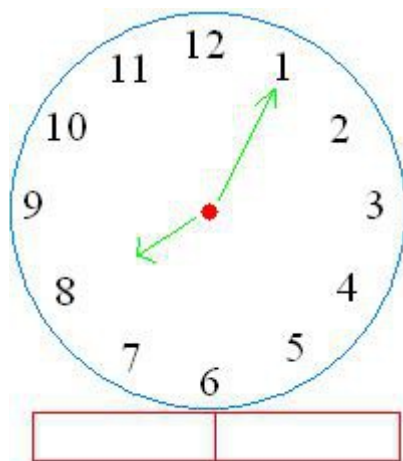
2. One dime is equal to how many cents_____

A. 15 cents **B.** 10 cents **C.** 12 cents **D.** 25 cents

1 dime is equal to 10 cents

3.

Look at the clock below. What time is it? _____



The small hand is the hour hand and the big hand is the minute hand. The small hand points to 8

The big hand points to 1.

1 means 5 minutes, 2 means 10 minutes, 3 means 15 minutes, and so forth...

Therefore, it is 5 minutes past 8. Write down in the space provided 8:05

4. Luke had 12 pencils, but gave away 5 to his best friends. How many pencils does Luke have now?

Since Luke gives 5 pencils, it is a subtraction problem. $12 - 5 = 7$

Luke has now 7 pencils.

5. Fill in the missing two numbers?

34, 36, _____, 40, _____

$34 + 2 = 36$, so adding 2 may work.

$$36 + 2 = 38$$

Since $38 + 2$ is indeed 40, adding 2 is the right thing to do.

$$40 + 2 = 42$$

We get 34, 36, 38, 40, 42

6. How many cents are there in one quarter. How many nickels?

A. 20 cents and 5 nickels **B.** 25 cents and 4 nickels **C.** 25 cents and 5 nickels
D. 20 cents and 4 nickels

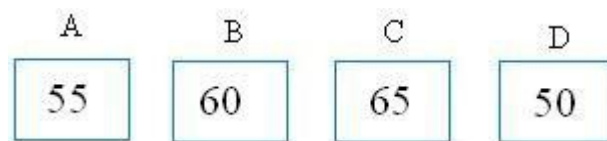
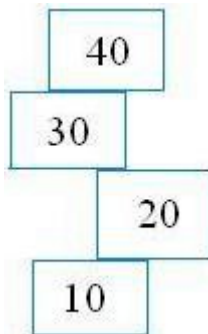
There are 25 cents in 1 quarter.

1 nickel = 5 cents and $5 + 5 + 5 + 5 + 5 = 25$ cents, so there are 5 nickels in 1 quarter.

7. John gave 4 slices of pizza to his friend Anna and ate 5. How many slices did the pizza have?

Suppose that John had no leftover after he ate 5 and gave 4 to his friend Anna, John had 9 slices. $9 - 5 - 4 = 0$

8. Look at the figure below. Which rectangle goes on top of 40?



$$10 + 10 = 20, \quad 20 + 10 = 30, \quad 30 + 10 = 40$$

$40 + 10 = 50$, so put the rectangle that has 50 on top

9. Perform the following subtraction:

$$\begin{array}{r} 38 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ - 05 \\ \hline 33 \end{array}$$

Since you see nothing beneath 3, you can put a 0

$$\begin{array}{l} 8 - 5 = 3 \\ 3 - 0 = 3 \end{array}$$

10. Tell if the number on the left is less or greater than the number on the right. Replace the question mark (?) with < or >

$$4 ? 2$$

$$5 ? 7$$

Always compare the number on the left to the right

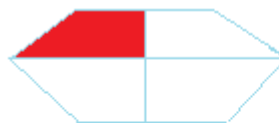
If the number on the left is smaller, use $<$. Otherwise, use $>$

Since 4 is bigger than 2, use $>$, so $4 > 2$

Since 5 is smaller than 7, use $<$, so $5 < 7$

11. Color half ($1/2$) of the shapes on the left and one quarter or one-fourth of the shapes on the right:

Color the triangle with red, rectangles with yellow, the circle with orange, and other figures with a color of your choice.



12. For the number 56, what digit is in the

tens place? _____ ones place? _____

5 is in the tens place and 6 is in the ones place

13. Perform the following additions and subtractions

$$\begin{array}{r} 67 \\ + 32 \\ \hline \end{array} \quad \begin{array}{r} 68 \\ + 34 \\ \hline \end{array} \quad \begin{array}{r} 68 \\ - 32 \\ \hline \end{array} \quad \begin{array}{r} 62 \\ - 45 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ + 32 \\ \hline 99 \end{array}$$

Add the ones: $7 + 2 = 9$. Put 9 in the ones place.
Add the tens: $6 + 3 = 9$. Put 9 in the tens place.

$$\begin{array}{r} 1 \\ 68 \\ + 34 \\ \hline 102 \end{array}$$

Add the ones: $8 + 4 = 12$. Put 2 in the ones place and carry the 1.
 $1 + 6 + 3 = 10$.

$$\begin{array}{r} 68 \\ - 32 \\ \hline 36 \end{array}$$

Subtract the ones: $8 - 2 = 6$. Put 6 in the ones place.
Subtract the tens: $6 - 3 = 3$. Put 3 in the tens place.

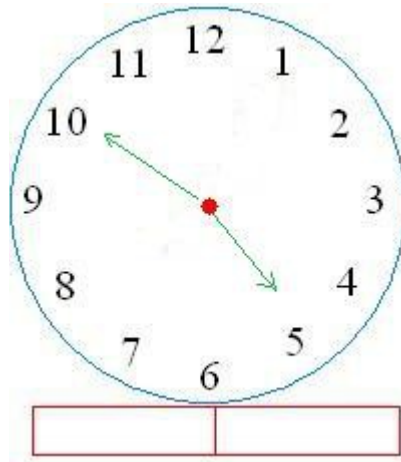
$$\begin{array}{r} 62 \\ - 45 \\ \hline \end{array}$$

Borrow 1 ten from 6 tens. Add the 10 to 2 to make it 12.
Rewrite the problem

$$\begin{array}{r} 512 \\ - 62 \\ - 45 \\ \hline 17 \end{array}$$

$12 - 5 = 7$. Write 7 in the ones place.
 $5 - 4 = 1$. Write 1 in the tens place

14. What time is it?



The small hand is the hour hand and the big hand is the minute hand.
The small hand points closely to 5

The big hand points to 10 . 1 means 5 minutes, 2 means 10 minutes, 3 means 15 minutes, and so forth...

Therefore, it is 10 minutes to 5. Write down in the space provided 4:50

15. Write the following numbers in words

2 _____ 7 _____ 14 _____ 24 _____

2: Two, 7: seven, 14: fourteen, 24: twenty-four

16. What is the geometric name for a figure that looks like

a ball? _____ a soda can? _____

A famous figure that is found in Egypt? _____ something that you put your ice cream on top? _____

A ball looks like a sphere. A soda can looks like a cylinder.

A famous figure that is found in Egypt is a pyramid.

You put your ice cream on top of a cone.

17. Fill in the blank for the missing numbers

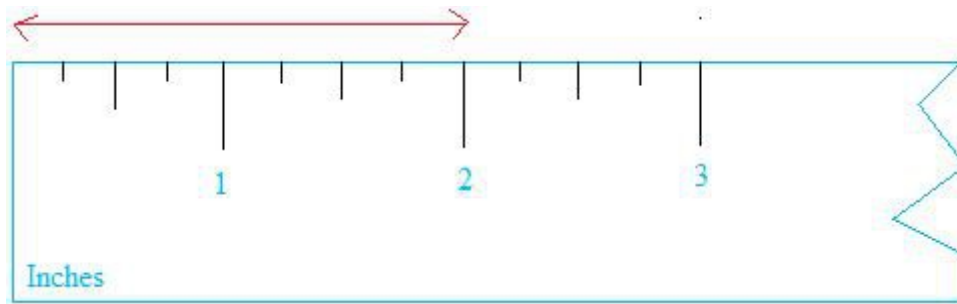
75, 70, _____ 60, 55, _____

$$75 - 5 = 70 \text{ and } 60 - 5 = 55$$

So, 5 must be subtracted to get the next number.

We get 75, 70, 65, 60, 55, 50

18. What is the measure of the length shown in red below?



The ruler above shows 2 inches.

19. How many dimes are there in fifty cents? _____

1 dime = 10 cents and $10 + 10 + 10 + 10 + 10 = 50$ cents, so there are 5 dimes in fifty cents.

20. Math Puzzles: Who am I?

$6 + 6$ is less than I am. $6 + 8$ is greater than I am.

I am an odd number and if you subtract 10 from me, you get a number greater than 7

$$6 + 6 = 12 \text{ and } 6 + 8 = 14$$

12 is less than 13 and 14 is greater than 13, so the number is 13

$19 - 10 = 9$ and 9 is bigger than 7, so the number is 19.