

# End of Year Test - Grade 2

## Basic Addition and Subtraction Facts

In problems 1 and 2, your teacher will read you the addition and subtraction questions. Try to answer them as quickly as possible. In each question, he/she will only wait a little while for you to answer, and if you don't say anything, your teacher will move on to the next problem. So just try your best to answer the questions as quickly as you can.

1. Add.

a.	b.	c.	d.
$6 + 7 = \underline{\quad}$	$7 + 4 = \underline{\quad}$	$8 + 8 = \underline{\quad}$	$9 + 5 = \underline{\quad}$
$9 + 9 = \underline{\quad}$	$5 + 8 = \underline{\quad}$	$6 + 6 = \underline{\quad}$	$7 + 7 = \underline{\quad}$
$5 + 6 = \underline{\quad}$	$3 + 9 = \underline{\quad}$	$2 + 9 = \underline{\quad}$	$8 + 6 = \underline{\quad}$
$8 + 7 = \underline{\quad}$	$5 + 7 = \underline{\quad}$	$4 + 8 = \underline{\quad}$	$8 + 9 = \underline{\quad}$

2. Subtract.

a.	b.	c.	d.
$12 - 3 = \underline{\quad}$	$11 - 3 = \underline{\quad}$	$14 - 5 = \underline{\quad}$	$13 - 4 = \underline{\quad}$
$15 - 7 = \underline{\quad}$	$12 - 8 = \underline{\quad}$	$12 - 4 = \underline{\quad}$	$15 - 6 = \underline{\quad}$
$13 - 6 = \underline{\quad}$	$14 - 6 = \underline{\quad}$	$18 - 9 = \underline{\quad}$	$12 - 6 = \underline{\quad}$
$11 - 7 = \underline{\quad}$	$16 - 8 = \underline{\quad}$	$16 - 7 = \underline{\quad}$	$14 - 7 = \underline{\quad}$

3. Fill in the missing numbers. The four problems form a fact family.

a. $2 + \square = 11$	b. $\underline{\quad} + \underline{\quad} = 17$	c. $\underline{\quad} + \underline{\quad} = \underline{\quad}$
$\square + 2 = 11$	$\underline{\quad} + \underline{\quad} = 17$	$\underline{\quad} + \underline{\quad} = \underline{\quad}$
$11 - 2 = \square$	$17 - 8 = \underline{\quad}$	$12 - \underline{\quad} = 5$
$11 - \square = 2$	$17 - \underline{\quad} = \underline{\quad}$	$\underline{\quad} - \underline{\quad} = \underline{\quad}$

## Mental Addition and Subtraction with Two-Digit Numbers and Word Problems

4. What is double 35?
5. Mary picked 5 apples and Bill picked 9. The children shared all of their apples evenly. How many did each child get?
6. List here the even numbers from 10 to 20.
7. Find the difference of 75 and 90.
8. Ed had saved \$16. Then grandma gave him \$10. Now how much more does he need in order to buy a toolset for \$32?

9. Find the missing numbers.

a.  $82 + \underline{\quad} = 90$

b.  $13 + \underline{\quad} = 21$

c.  $90 - \underline{\quad} = 83$

10. Calculate mentally.

a.  $59 + 8 = \underline{\quad}$

b.  $52 + 40 = \underline{\quad}$

c.  $76 - 50 = \underline{\quad}$

$62 + 8 = \underline{\quad}$

$45 + 9 = \underline{\quad}$

$54 - 23 = \underline{\quad}$

## Three-Digit Numbers

11. Write with numbers.

a. 6 tens 2 hundreds 7 ones =  $\underline{\quad}$

b. 8 ones 9 hundreds =  $\underline{\quad}$

12. Skip-count by tens.

568, 578, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

13. Write the numbers in order from the smallest to the greatest.

a. 417, 714, 447	b. 89, 998, 809
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14. Calculate mentally.

a. $560 + 40 = \underline{\hspace{2cm}}$ $560 + 400 = \underline{\hspace{2cm}}$	b. $520 - 20 = \underline{\hspace{2cm}}$ $520 - 200 = \underline{\hspace{2cm}}$	c. $362 - 30 = \underline{\hspace{2cm}}$ $362 - 300 = \underline{\hspace{2cm}}$
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15. Compare the expressions and write  $<$ ,  $>$ , or  $=$ .

a.  $100 - 5 - 3 \square 98 - 6$

b.  $40 + 8 + 200 \square 20 + 800 + 4$

c.  $50 + 120 \square 125$

d.  $\frac{1}{2}$  of 800  $\square 399 + 5$

**Regrouping in Addition and Subtraction, including Word Problems**

16. Add.

a. 
$$\begin{array}{r} 35 \\ 36 \\ + 12 \\ \hline \end{array}$$

b. 
$$\begin{array}{r} 224 \\ + 458 \\ \hline \end{array}$$

c. 
$$\begin{array}{r} 438 \\ 17 \\ + 293 \\ \hline \end{array}$$

17. Subtract. Check by adding the result and what was subtracted.

a. $\begin{array}{r} 61 \\ - 37 \\ \hline \end{array} \quad + \quad \underline{\hspace{2cm}}$	b. $\begin{array}{r} 970 \\ - 248 \\ \hline \end{array} \quad + \quad \underline{\hspace{2cm}}$
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18. Jennifer bought two vacuum cleaners for \$152 each.  
What was the total cost?

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19. A box contains 450 disks in all. Of them,  
126 are music CDs and the rest are DVDs.  
How many DVDs are in the box?

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20. The distance from Mark's home to  
his grandma's house is 218 miles.  
How many miles long is a round trip?

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21. Every day Janet jogs around a rectangular-shaped  
jogging track. One side is 150 yards and  
another side is 300 yards.


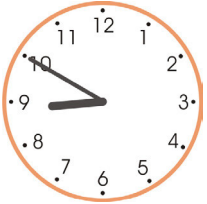
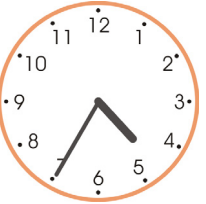
**a.** Mark the distances in the picture.

**b.** Calculate what distance Janet goes  
when she jogs around it once.



## Clock

22. Write the time with *hours:minutes*, and using “past” or “till”.



 <p><b>a.</b></p> <p>_____ : _____</p> <p>_____ past _____</p>	 <p><b>b.</b></p> <p>_____ : _____</p> <p>_____</p>	 <p><b>c.</b></p> <p>_____ : _____</p> <p>_____</p>
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23. How much time passes? Fill in the table.

<b>from</b>	3:00	2:00	1 AM	11 AM	8 PM
<b>to</b>	3:05	2:30	8 AM	1 PM	midnight
<b>amount of time</b>					

## Money

24. How much money? Write the amount.

 <p><b>a.</b> \$ _____</p>	 <p><b>b.</b> \$ _____</p>
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25. Find the change, if you buy a meal for \$3.35 and you pay with \$4.

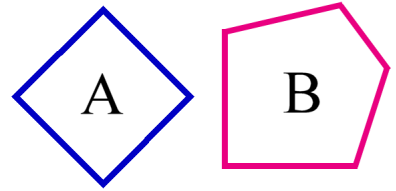
26. Bill bought an eraser that cost 85¢. He paid with \$1. What was his change?

## Geometry and Measuring

27. Identify the shapes.

Shape A: \_\_\_\_\_

Shape B: \_\_\_\_\_



28. a. Join the dots in order (A-B-C-D) with straight lines. Use a ruler.

A

b. What shape is formed?

\_\_\_\_\_

D

B

C

c. Measure the sides of the shape to the nearest half-inch.

Side AB: about \_\_\_\_\_

Side BC: about \_\_\_\_\_

Side CD: about \_\_\_\_\_

Side DA: about \_\_\_\_\_

29. Measure this line to the nearest centimeter.

 about \_\_\_\_\_ cm

30. Which measuring unit or units could you use to find these amounts?


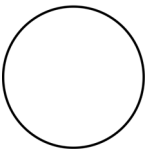
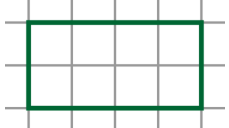
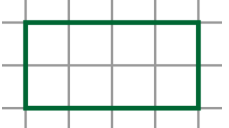
Centimeter (cm), inch (in), meter (m), foot (ft), mile (mi), or kilometer (km)?

Sometimes two different units are possible. If so, write both.

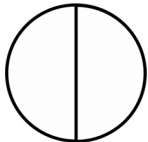
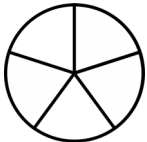
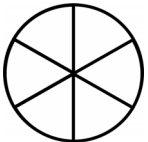
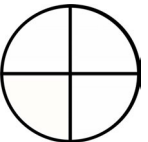

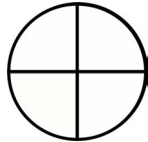
Distance	Unit(s)
how long my pencil is	
the distance from London to New York	
the height of a wall	
the distance it is to the neighbor's house	

## Fractions

31. Divide these shapes. Then color as you are asked to.

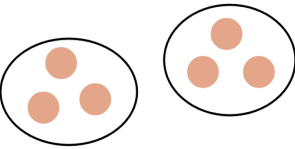
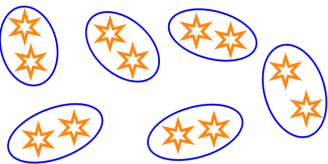
<p>a. </p> <p>Divide this into thirds. Color <math>\frac{2}{3}</math>.</p>	<p>b. </p> <p>Divide this into halves. Color <math>\frac{1}{2}</math>.</p>	<p>c. </p> <p>Divide this into halves. Color <math>\frac{2}{2}</math>.</p>	<p>d. </p> <p>Divide this into fourths. Color <math>\frac{3}{4}</math>.</p>
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32. Color. Then compare and write  $<$ ,  $>$ , or  $=$  between the fractions.

<p>a.  </p> <p><math>\frac{1}{2}</math>      <math>\frac{2}{5}</math></p>	<p>b.  </p> <p><math>\frac{4}{6}</math>      <math>\frac{3}{4}</math></p>	<p>c.  </p> <p><math>\frac{2}{3}</math>      <math>\frac{2}{4}</math></p>
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## Concept of Multiplication

33. Write a multiplication sentence for each picture.

<p>a. </p> <p>a. _____ <math>\times</math> _____ = _____</p>	<p>b. </p> <p>b. _____ <math>\times</math> _____ = _____</p>
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34. Write a multiplication for each addition, and solve.

<p>a. <math>5 + 5 + 5</math></p> <p>_____ <math>\times</math> _____ = _____</p>	<p>b. <math>4 + 4 + 4 + 4 + 4</math></p> <p>_____ <math>\times</math> _____ = _____</p>
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35. Solve.

<p>a. <math>2 \times 5 =</math> _____</p>	<p>b. <math>3 \times 3 =</math> _____</p>	<p>c. <math>3 \times 10 =</math> _____</p>
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