

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. $2 + \square = 11$ $\square + 2 = 11$ $11 - 2 = \square$ $11 - \square = 2$	b. $\underline{\quad} + \underline{\quad} = 17$ $\underline{\quad} + \underline{\quad} = 17$ $17 - 8 = \underline{\quad}$ $17 - \underline{\quad} = \underline{\quad}$	c. $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $12 - \underline{\quad} = 5$ $\underline{\quad} - \underline{\quad} = \underline{\quad}$
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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. $82 + \underline{\hspace{2cm}} = 90$

b. $13 + \underline{\hspace{2cm}} = 21$

c. $90 - \underline{\hspace{2cm}} = 83$

10. Calculate mentally.

a. $59 + 8 = \underline{\hspace{2cm}}$

b. $52 + 40 = \underline{\hspace{2cm}}$

c. $76 - 50 = \underline{\hspace{2cm}}$

$62 + 8 = \underline{\hspace{2cm}}$

$45 + 9 = \underline{\hspace{2cm}}$

$54 - 23 = \underline{\hspace{2cm}}$

Three-Digit Numbers

11. Write with numbers.

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

b. 8 ones 9 hundreds = $\underline{\hspace{2cm}}$

12. Skip-count by tens.

568, 578, $\underline{\hspace{2cm}}$, $\underline{\hspace{2cm}}$, $\underline{\hspace{2cm}}$, $\underline{\hspace{2cm}}$, $\underline{\hspace{2cm}}$

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

a. 417, 714, 447

b. 89, 998, 809

14. Calculate mentally.

a. $560 + 40 =$ _____

b. $520 - 20 =$ _____

c. $362 - 30 =$ _____

$560 + 400 =$ _____

$520 - 200 =$ _____

$362 - 300 =$ _____

15. Compare the expressions and write $<$, $>$, or $=$.

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

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

c. $50 + 120$ 125

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

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.
$$\begin{array}{r} 970 \\ - 248 \\ \hline \end{array} \quad + \quad \underline{\hspace{2cm}}$$

18. Jennifer bought two vacuum cleaners for \$152 each.
What was the total cost?

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?

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

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

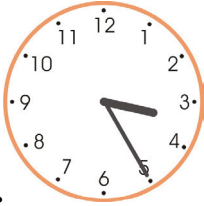
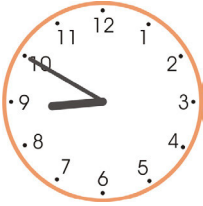
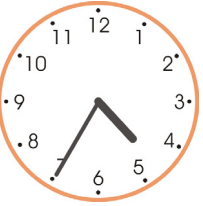
a. Mark the distances in the picture.

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

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

Money

24. How much money? Write the amount.

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

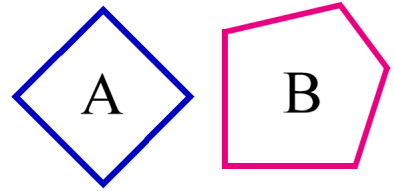
26. Bill bought an eraser that cost 85¢. He paid with \$1. What was his change?

Geometry and Measuring

27. Identify the shapes.

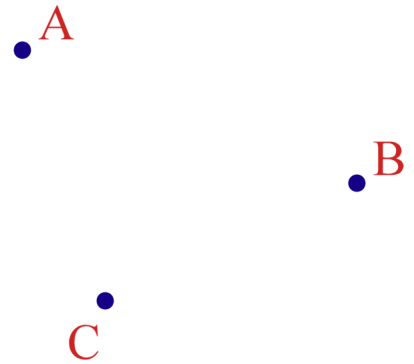
Shape A: _____

Shape B: _____



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

b. What shape is formed?



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?


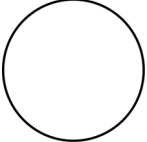
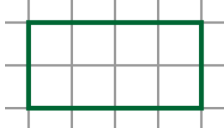
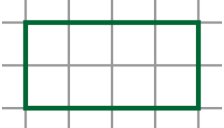
Centimeter (cm), inch (in), meter (m), foot (ft), mile (mi), or kilometer (km)?

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

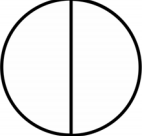

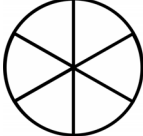
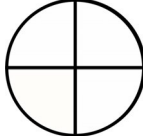

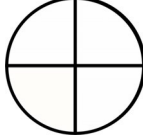
Distance	Unit(s)
how long my pencil is	
the distance from London to New York	
the height of a wall	
the distance it is to the neighbor's house	

Fractions

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

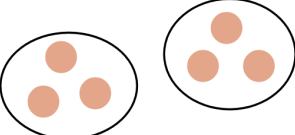
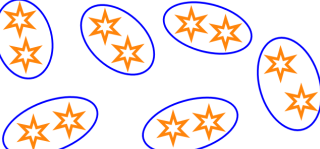
<p>a. </p> <p>Divide this into thirds. Color $\frac{2}{3}$.</p>	<p>b. </p> <p>Divide this into halves. Color $\frac{1}{2}$.</p>	<p>c. </p> <p>Divide this into halves. Color $\frac{2}{2}$.</p>	<p>d. </p> <p>Divide this into fourths. Color $\frac{3}{4}$.</p>
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32.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

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

33. Write a multiplication sentence for each picture.

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

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

a. $2 \times 5 =$ _____	b. $3 \times 3 =$ _____	c. $3 \times 10 =$ _____
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