Rising Grade 3 Summer Packet

The problems in this packet are designed to help you review topics from previous mathematics courses that are essential to your success in grade 3. You are expected to bring this completed packet to class on the first day of school. In addition, this packet will count as part of your first-quarter grade. Upon returning, you will be ASSESSED on the content of this packet. All contents outlined in the packet are grade 2 objectives. Neatly SHOW YOUR WORK!

Basic Addition and Subtraction Facts within 0-10

For problems 1 and 2, try to answer the questions as quickly as you can.

1. Add.

a.	**b.**	**c.**	**d.**
6 + 7 = _____	7 + 4 = _____	8 + 8 = _____	9 + 5 = _____
9 + 9 = _____	5 + 8 = _____	6 + 6 = _____	7 + 7 = _____
5 + 6 = _____	3 + 9 = _____	2 + 9 = _____	8 + 6 = _____
8 + 7 = _____	5 + 7 = _____	4 + 8 = _____	8 + 9 = _____

2. Subtract.

a.	**b.**	**c.**	**d.**
12 –3 = _____	11 –3 = _____	14 –5 = _____	13 – 4 = _____
15 –7 = _____	12 –8 = _____	12 –4 = _____	15 – 6 = _____
13 –6 = _____	14 –6 = _____	18 –9 = _____	12 – 6 = _____
11 –7 = _____	16 –8 = _____	16 –7 = _____	14 – 7 = _____

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. ____ + ____ = 17

____ + ____ = 17

17 – 8 = ____

17 – ____ = ____

c. ____ + ____ = ____

____ + ____ = ____

12 – ____ = 5

____ – ____ = ____

Source: Math Mammoth

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

4. What is double 35?

5. List here the even numbers from 10 to 20.

6. Find the difference of 75 and 90.

7. Ed had saved $16. Then grandma gave him $10.

   Now how much more does he need in order to buy a toolset for $32?

8. Find the missing numbers.

a. 82 + _____ = 90 **b.**13 + _____ = 21 **c.** 90 –_____ = 83

9. Calculate mentally.

a.59 + 8 = _____ 62 + 8 = _____	**b.**52 + 40 = _____ 45 + 9 = _____	**c.**76 –50 = _____ 54 –23 = _____

Three-Digit Numbers

10. Write with numbers.

a.6 tens 2 hundreds 7 ones = _____ **b.** 8 ones 9 hundreds = _____

11. Skip-count by tens.

568, 578, _____, _____, _____, _____, _____

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

a. 417, 714, 447	**b.** 89, 998, 809

13. Calculate mentally.

a. 560 + 40 = _____ 560 + 400 = _____	**b.** 520 –20 = _____ 520 –200 = _____	**c.** 362 –30 = _____ 362 –300 = _____

14. Compare the expressions and write < , > , or = .

a. 10 –5 –3 ☐ 98 –6

b. 40 + 8 + 20 ☐ 20 + 80 + 4

c. 50 + 12 ☐ 125

d. 400 ☐ 399 + 5

Regrouping in Addition and Subtraction, including Word Problems

15. Add.

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

b.
$$\begin{array}{r} 24 \\ +45 \\ \hline \end{array}$$

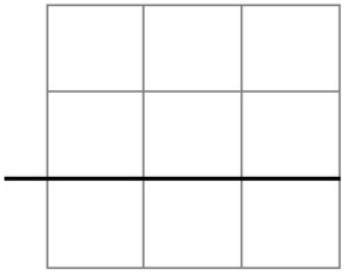
c.
$$\begin{array}{r} 17 \\ +29 \\ \hline \end{array}$$

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

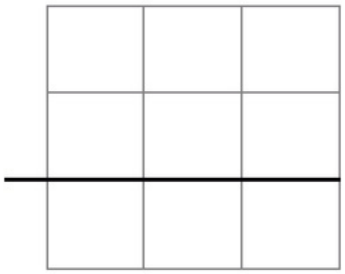
a.
$$\begin{array}{r} 61 \\ -37 \\ \hline \end{array} \qquad + \_\_\_\_$$

b.
$$\begin{array}{r} 70 \\ -48 \\ \hline \end{array} \qquad + \_\_\_\_$$

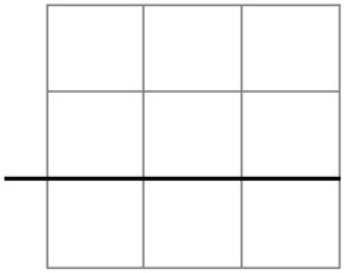
17. Jennifer bought two vacuum cleaners for $152 each.
What was the total cost?



18. 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?

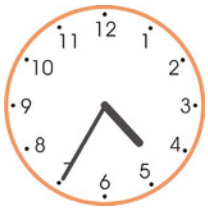


19. The distance from Mark's home to his grandma's house is 218 miles. How many miles long is a round trip?



Clock

20. Write the time with *hours:minutes*, and using "past"or "till".

a.  _____ : _____ _____ past ____	**b.**  _____ : _____ _____	**c.**  _____ : _____ _____

21. 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

22. How much money? Write the amount.

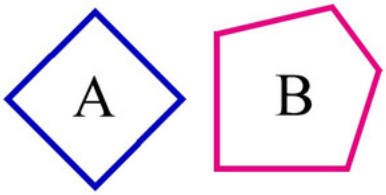
 **a.** $_____	 **b.** $_____

23. Find the change, if you buy a meal for $3 and you pay with $4.

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

Geometry and Measuring

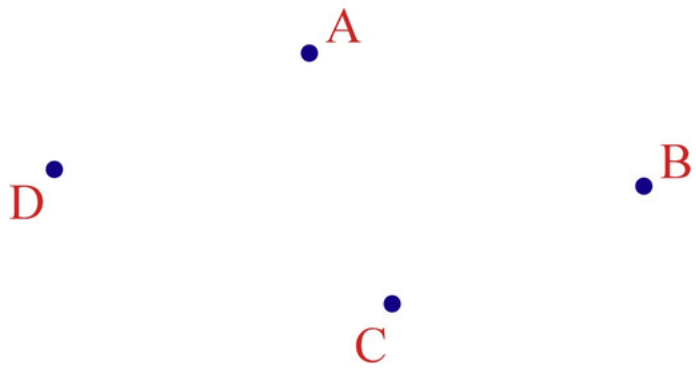
25. Identify the shapes.



Shape A: _____

Shape B: _____

26. **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 _____

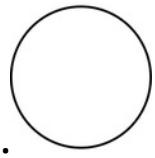
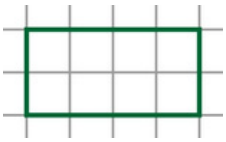
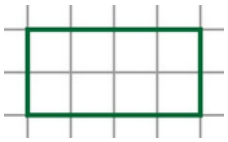
Side CD: about _____ Side DA: about _____

27. Measure this line to the nearest centimeter.

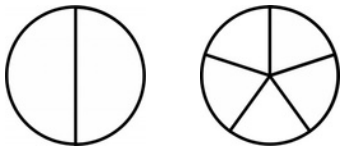
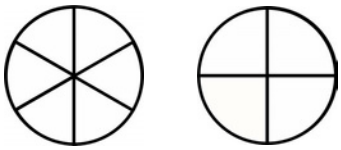
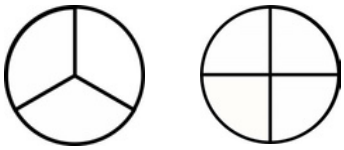
about _____ cm

Fractions

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

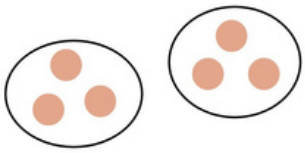
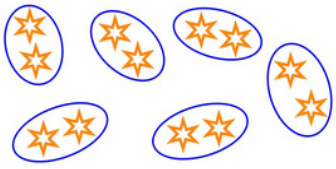
a.  Divide this into thirds. Color $\frac{2}{3}$.	**b.**  Divide this into halves. Color $\frac{1}{2}$.	**c.**  Divide this into halves. Color $\frac{2}{2}$.	**d.**  Divide this into fourths. Color $\frac{3}{4}$.

29. Color. Then compare and write < , > , or = between the fractions.

a.  $\frac{1}{2}$ $\frac{2}{5}$	**b.**  $\frac{4}{6}$ $\frac{3}{4}$	**c.**  $\frac{2}{3}$ $\frac{2}{4}$

Concept of Multiplication

30. Write a multiplication sentence for each picture.

 **a.** _____ × _____ = _____	 **b.**_____ × _____ = _____

31. Write a multiplication for each addition, and solve.

a. 5 + 5 + 5 _____ × _____ = _____	**b.** 4 + 4 + 4 + 4 + 4 _____ × _____ = _____

32. Solve.

a. 2 × 5 = _____	**b.** 3 × 3 = _____	**c.** 3 × 10 = _____