Rising Grade 4 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 4. 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 3 objectives. Neatly SHOW YOUR WORK!

Multiplication Tables and Basic Division Facts

1. Your first problem will be to fill in the complete multiplication table.
   Try to complete the table in 12 minutes.

×	0	1	2	3	4	5	6	7	8	9	10	11	12
0													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Source: Math Mammoth

In problems 2 and 3, your teacher will read you multiplication and division 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 do not 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.

2. Multiply.

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

3. Divide.

a.	b.	c.	d.
21 ÷ 3 = _____	32 ÷ 4 = _____	45 ÷ 5 = _____	50 ÷ 5 = _____
35 ÷ 7 = _____	40 ÷ 8 = _____	28 ÷ 4 = _____	72 ÷ 9 = _____
48 ÷ 6 = _____	66 ÷ 6 = _____	36 ÷ 9 = _____	18 ÷ 6 = _____
49 ÷ 7 = _____	56 ÷ 8 = _____	63 ÷ 7 = _____	27 ÷ 9 = _____

Addition and Subtraction, including Word Problems

4. Add in your head and write the answers.

a. 240 + 70 = _____ 99 + 50 = _____	b. 540 + 80 = _____ 335 + 9 = _____	c. 59 + 89 = _____ 46 + 34 = _____

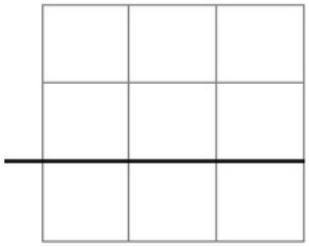
5. Subtract in your head and write the answers.

a. 100 – 67 = _____ 73 – 68 = _____	b. 651 – 8 = _____ 54 – 9 = _____	c. 52 – 37 = _____ 400 – 22 = _____

6. Subtract and check your answers using the grid.

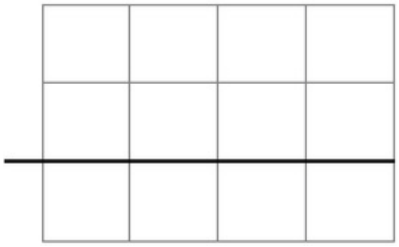
a.

$$\begin{array}{r} 962 \\ -383 \\ \hline \end{array}$$



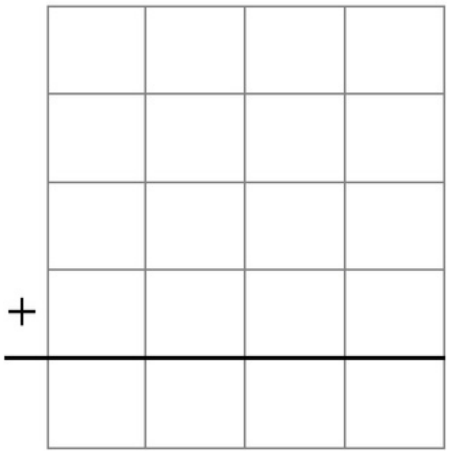
b.

$$\begin{array}{r} 7002 \\ -4526 \\ \hline \end{array}$$

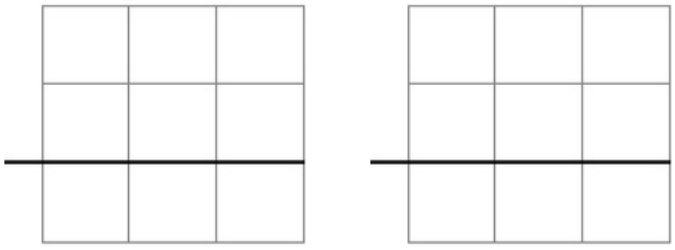


7. Solve.

a. 82 + 5,539 + 1,254 + 278



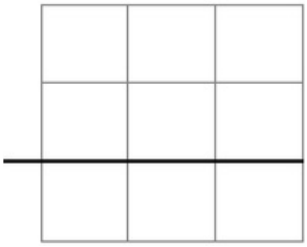
b. 535 – (430 – 173)



8. Solve what number goes in place of the triangle.

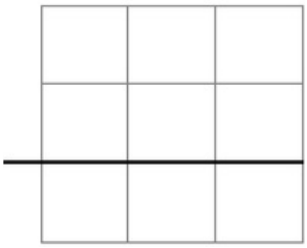
a. 414 + △ = 708

△ is _____



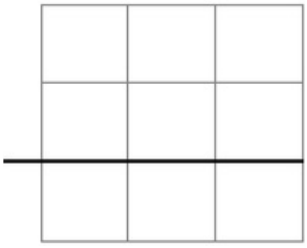
b. △ – 339 = 485

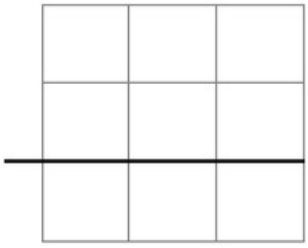
△ is _____



Solve.

9. Jason bought a $185 camera and a $32 camera bag.
What was his change from $300?



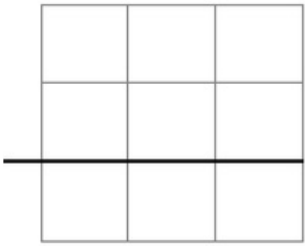


10. A family is driving 300 miles from their hometown to Grandma's place.
10 miles before the half-way point they stopped to have lunch.
How many miles do they still have to go?

11. A store received 100 boxes, which each had 8 light bulbs.

a. How many light bulbs did the store receive?

b. After selling 8 boxes, how many bulbs are left?



Multiplication and Related Concepts

12. Draw a picture to illustrate the multiplication $3 \times 4 = 12$.

13. Solve: $5 \times 25 =$ _____

14. Solve.

a. $24 + (8 \times 3)$	b. $2 + (5 + 4) \times 2$	c. $66 - (5 \times 5)$

15. Write a multiplication sentence (NOT just the answer) to solve how many legs these animals have in total.

    a. seven horses _____

    b. five ducks _____

    c. eight horses and six ducks _____

16. Each table in a restaurant seats four people. How many tables do you need to reserve for a party of 31 people?

17. A cafeteria menu had spaghetti with meatballs for $8 and bean soup for $6. How much would it cost to buy three plates of spaghetti with meatballs and three bowls of bean soup?

18. Anna is bagging hair clips she made. She will put four hair clips in each bag. She has 28 hair clips to bag. How many bags will she need?

Time

19. Write the time the clock shows, and the time 10 minutes later.

	 a. _____ : _____	 b. _____ : _____	 c. _____ : _____	 d. _____ : _____
10 min. later	_____ : _____	_____ : _____	_____ : _____	_____ : _____

20. a.The TV show starts at 6:25 PM and ends at 7:10 PM.
How long is it?

b. Mr. Jackson's plane takes off at 9:30 AM. If the flight lasts for 6 hours 20 minutes, when will the plane land?

c. The baseball game was going to be on May 21, but it was postponed (made later) by one week. What was the new date for the game?

Graphs

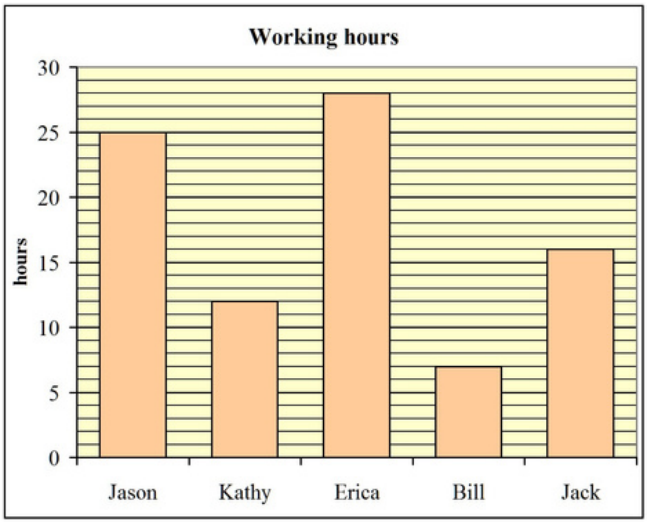
21. The graph shows some people's working hours on Uncle Ted's apple farm.

a. How many hours did Erica work?

b. How many hours did Kathy work?

c. How many more hours did Jason work than Jack?

d. How many hours did the three boys work in total?



Money

22. Find the total cost of buying the items listed. Line up the numbers carefully when you add.

 $6	 $8	 $1	 $16
a. a calculator and a bag	b. two pens and a book	c. three pens and a calculator	

23. Find the change.

a. A book costs $7. You give $10. Change: $_____	b. A basket costs $4. You give $5. Change: $_____

24. A pencil case costs $2. If Mark buys four of them with his $10, what will his change be?

Place Value and Rounding

25. Fill in the missing part.

a. 2,000 + 60 + _____ = 2,760	b. 700 + 20 + _____ + 9 = 2,729

26. Compare and write < , > , or = .

a. 6,034 ☐ 3,064	b.5,156 ☐ 5,516	c.9,079 ☐ 9,097
d. 6,000 + 3 + 40 ☐ 400 + 60 + 3,000	e.900 + 7,000 ☐ 90 + 7,000 + 2	

27. Add and subtract.

a. 5,400 + 300 = _____ 7,800 + 800 = _____	b. 2,900 – 1,700 = _____ 8,100 – 300 = _____

28. Round the numbers to the nearest TEN.

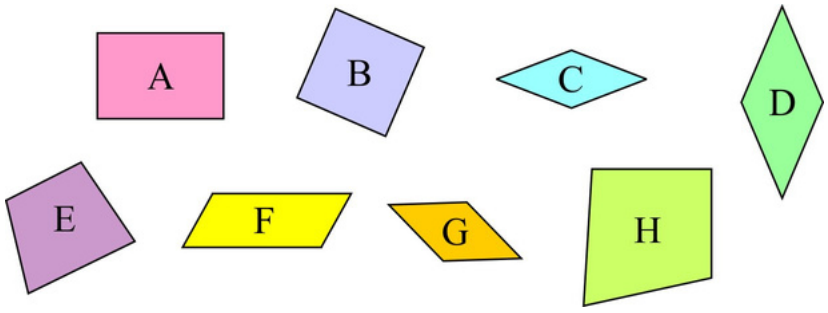
a. 743 ≈ _____	b. 987 ≈ _____	c. 251 ≈ _____	d. 665 ≈ _____

29. Estimate these calculations by rounding the numbers to the nearest hundred. Also, calculate the exact answer.

a. Round the numbers, then add: 3,782 + 2,255 ↓ ↓ + =_____	Calculate exactly: 3 7 8 2 + 2 2 5 5
b. Round the numbers, then subtract: 8,149 – 888 ↓ ↓ – =_____	Calculate exactly: 8 1 4 9 – 8 8 8

Geometry

30. Name any special quadrilaterals.



_____

_____

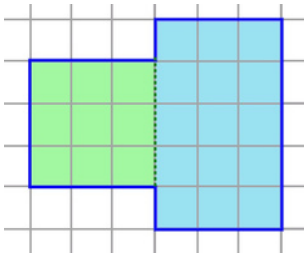
_____

_____

_____

_____

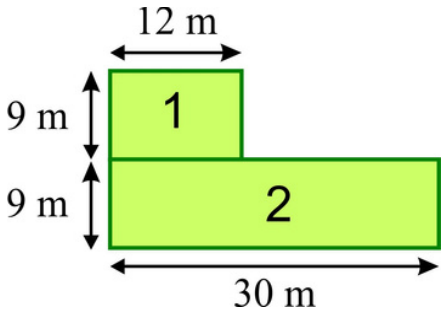
31. Find the perimeter and area of this shape.



Perimeter: _____

Area : _____

32. The picture shows a two-part lawn.



a. Find the areas of part 1 and part 2.

_____ and _____

b. Find the perimeter of the whole lawn.

33. The perimeter of a rectangle measures 26 in. Find the other side length, if one side measures 4 in.

34. Draw in the grid below:

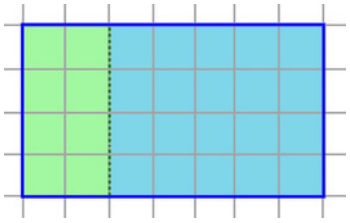
a. a rectangle with an area of 15 square units

b. a rectangle with a perimeter of 10 units.

35. Write a number sentence for the total area, thinking of one rectangle or two.

___ × (___ + ___)= ___ × ___+___ × ___= _____

area of the whole rectangle | area of the first part | area of the second part



Measuring

36. Draw lines:

a. 6 1/4 inch long

b. 7 cm 5 mm long

37. Write in order from smallest to biggest unit: cm km m mm

38. Name two different units that you can use to measure a small amount of water in a drinking glass.

39. Fill in the blanks with units of measure. Sometimes several different units are possible.

a. The mountain is 20,000 _____ high.

b. The pencil is 14 _____ long.

c. Jeremy bought 5 _____ of potatoes.

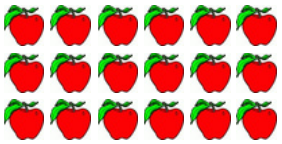
d. The large glass holds 3 _____ of liquid.

e. The teacher weighs 68 _____ .

f. The room was 20 _____ wide.

Division and Related Concepts

40. Write two multiplications and two divisions for the same picture.



____ × ____ = _____

____ × ____ = _____

_____ ÷ ____ = ____

_____ ÷ ____ = ____

41. Divide, but CROSS OUT all the problems that are impossible!

a. 17 ÷ 1 = _____ 17 ÷ 0 = _____	b. 17 ÷ 17 = _____ 0 ÷ 0 = _____	c. 1 ÷ 1 = _____ 0 ÷ 1 = _____

42. A team leader divided a group of 24 children into teams. Can he divide the children equally into teams of 5? Teams of 6? Teams of 7?

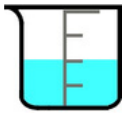
43. Annie, Rob, and Ted decided to buy a gift that cost $16 and flowers that cost $14 for Mom. The children shared the total cost equally. How much did each child pay?

Fractions

44. Write the fraction or mixed number.

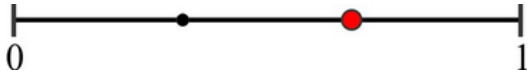
a. 

b. 

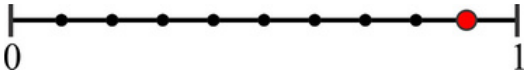
c. 

d. 

e.

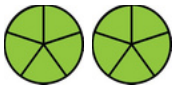


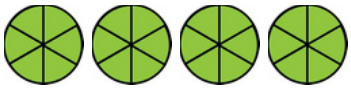
f.



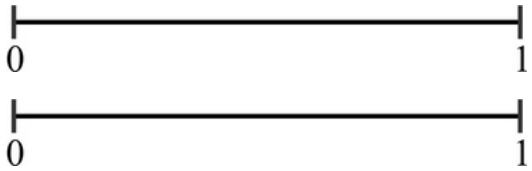
45. Write the whole numbers as fractions.

a.  1 = ☐

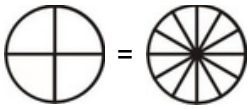
b.  2 = ☐

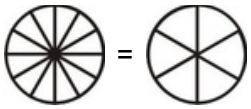
c.  4 = ☐

46. Mark the equivalent fractions $\frac{3}{6}$ and $\frac{1}{2}$ on the number lines.



47. Shade parts for the first fraction. Shade the same amount in the second picture, forming an equivalent fraction. Write the second fraction.

a.  $\frac{3}{4}$ = ☐

b.  $\frac{1}{0}$ = ☐

c. $\frac{2}{3}$ = ☐ 

48. Compare the fractions, and write > , < , or = in the box.

a. $\frac{2}{7}$ ☐ $\frac{2}{3}$

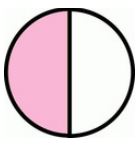
b. $\frac{5}{11}$ ☐ $\frac{7}{11}$

c. $\frac{1}{2}$ ☐ $\frac{9}{10}$

d. $\frac{1}{7}$ ☐ $\frac{1}{8}$

49. Mary ate 1/2 of a strawberry pie, and David ate 7/12 of a blueberry pie. Look at the pictures. Who ate more pie?

Mary's pie:



David's pie: