

Grade 3
Summer Math
Packet

Name _____

Addition and Subtraction

Solve each problem by regrouping.

$$\begin{array}{r} 1. \quad 27 \\ + 24 \\ \hline \end{array} \quad \begin{array}{r} 39 \\ + 53 \\ \hline \end{array} \quad \begin{array}{r} 46 \\ + 35 \\ \hline \end{array} \quad \begin{array}{r} 57 \\ + 29 \\ \hline \end{array} \quad \begin{array}{r} 49 \\ + 15 \\ \hline \end{array} \quad \begin{array}{r} 63 \\ + 27 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 75 \\ + 19 \\ \hline \end{array} \quad \begin{array}{r} 93 \\ + 37 \\ \hline \end{array} \quad \begin{array}{r} 58 \\ + 34 \\ \hline \end{array} \quad \begin{array}{r} 64 \\ + 28 \\ \hline \end{array} \quad \begin{array}{r} 86 \\ + 17 \\ \hline \end{array} \quad \begin{array}{r} 74 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 36 \\ - 17 \\ \hline \end{array} \quad \begin{array}{r} 98 \\ - 19 \\ \hline \end{array} \quad \begin{array}{r} 28 \\ - 9 \\ \hline \end{array} \quad \begin{array}{r} 41 \\ - 15 \\ \hline \end{array} \quad \begin{array}{r} 33 \\ - 17 \\ \hline \end{array} \quad \begin{array}{r} 67 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 72 \\ - 53 \\ \hline \end{array} \quad \begin{array}{r} 85 \\ - 27 \\ \hline \end{array} \quad \begin{array}{r} 43 \\ - 29 \\ \hline \end{array} \quad \begin{array}{r} 96 \\ - 37 \\ \hline \end{array} \quad \begin{array}{r} 64 \\ - 36 \\ \hline \end{array} \quad \begin{array}{r} 50 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 187 \\ + 753 \\ \hline \end{array} \quad \begin{array}{r} 263 \\ + 347 \\ \hline \end{array} \quad \begin{array}{r} 827 \\ + 264 \\ \hline \end{array} \quad \begin{array}{r} 726 \\ + 585 \\ \hline \end{array} \quad \begin{array}{r} 126 \\ + 294 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 283 \\ + 328 \\ \hline \end{array} \quad \begin{array}{r} 268 \\ + 345 \\ \hline \end{array} \quad \begin{array}{r} 418 \\ + 199 \\ \hline \end{array} \quad \begin{array}{r} 385 \\ + 826 \\ \hline \end{array} \quad \begin{array}{r} 294 \\ + 765 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 837 \\ - 138 \\ \hline \end{array} \quad \begin{array}{r} 516 \\ - 247 \\ \hline \end{array} \quad \begin{array}{r} 825 \\ - 356 \\ \hline \end{array} \quad \begin{array}{r} 713 \\ - 284 \\ \hline \end{array} \quad \begin{array}{r} 624 \\ - 367 \\ \hline \end{array}$$



Ask your child to check each addition problem on this page using subtraction and to check each subtraction problem using addition. If any of the answers do not agree, have your child attempt the original problem again.

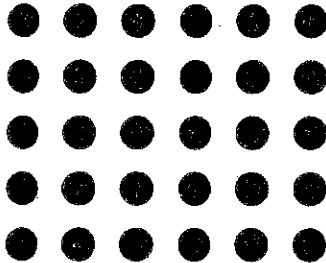
Name _____

Grade
3

Course Benchmark 1

For use after Chapter 4

1. Use the array to fill in the blanks.

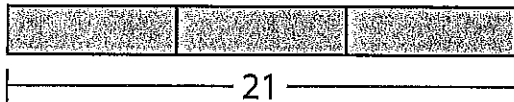


_____ rows

_____ columns

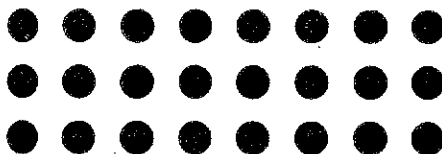
_____ × _____ = _____

2. Divide 21 lemons into 3 equal groups. How many lemons are in each group?



$21 \div 3 = \underline{\quad}$

3. Use the array to complete the equations.



$3 \times \underline{\quad} = 24$

$24 \div 3 = \underline{\quad}$

Name _____

Grade
3

Course Benchmark 1 (continued)

For use after Chapter 4

4. A librarian stacks books in 10 piles. Each pile has 10 books. The librarian puts away 17 of the books. How many books are left?

5. Find the product.

$$4 \times 6 = \underline{\quad}$$

6. Find the quotient.

$$72 \div 8 = \underline{\quad}$$

7. Use the Distributive Property to find the product.

$$(2 + 1) \times 9 = \underline{\quad}$$

8. Find the missing divisor.

$$35 \div \underline{\quad} = 7$$

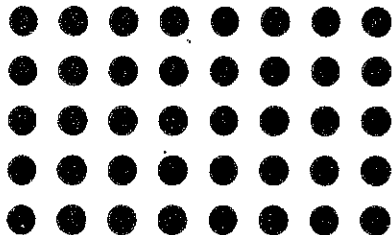
Name _____

Grade
3

Course Benchmark 2

For use after Chapter 8

1. Use the array to fill in the blanks.

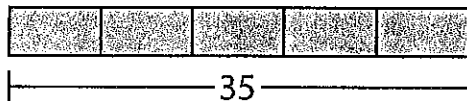


_____ rows

_____ columns

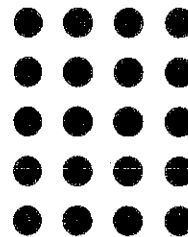
_____ \times _____ = _____

2. Divide 35 apples into 5 equal groups. How many apples are in each group?



$$35 \div 5 = \underline{\quad}$$

3. Use the array to complete the equations.



$$5 \times \underline{\quad} = 20$$

$$20 \div 5 = \underline{\quad}$$

4. An employee at a warehouse stacks boxes in 5 rows. Each row has 8 boxes. The next day, 32 of the boxes are shipped. How many boxes are left?

5. Find the product.

$$9 \times 8 = \underline{\quad}$$

6. Find the quotient.

$$54 \div 9 = \underline{\quad}$$

7. Use the Distributive Property to find the product.

$$8 \times (5 + 2) = \underline{\quad}$$

8. Find the missing divisor.

$$30 \div \underline{\quad} = 3$$

Name _____

Grade 3 **Course Benchmark 2** (continued)
For use after Chapter 8

9. Find the sum.

$$\begin{array}{r} 517 \\ + 183 \\ \hline \end{array}$$

10. Find the difference.

$$\begin{array}{r} 950 \\ - 259 \\ \hline \end{array}$$

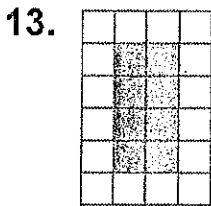
11. Tell whether each statement is *true* or *false*.

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

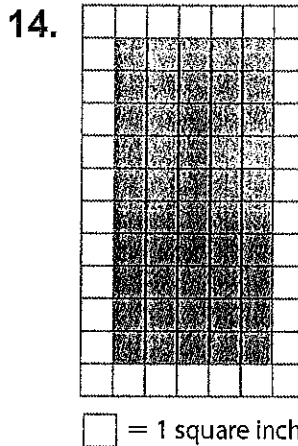
- All the values in the row for 8 are even. _____
- The values in the row for 10 increase by 10. _____
- The values in the row for 8 and the column for 8 are the same because of the Commutative Property of Multiplication. _____

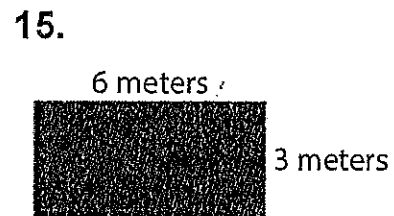
12. Round 683 to the nearest hundred. _____

Find the area of the rectangle.



_____ square units





_____ × _____ = _____

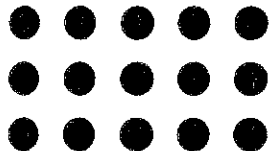
Name _____

Grade
3

Course Benchmark 3

For use after Chapter 12

1. Use the array to fill in the blanks.

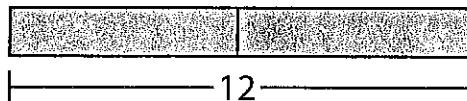


_____ rows

_____ columns

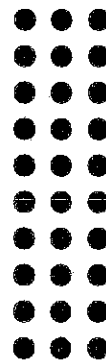
_____ × _____ = _____

2. Divide 12 limes into 2 equal groups. How many limes are in each group?



$$12 \div 2 = \underline{\quad}$$

3. Use the array to complete the equations.



$$10 \times \underline{\quad} = 30$$

$$30 \div 10 = \underline{\quad}$$

4. A grocer puts cans in 10 rows. Each row has 7 cans. The next day, 49 of the cans are sold. How many cans are left?

5. Find the product.

$$2 \times 0 = \underline{\quad}$$

6. Find the quotient.

$$0 \div 1 = \underline{\quad}$$

7. Use the Distributive Property to find the product.

$$(5 + 1) \times 10 = \underline{\quad}$$

8. Find the missing divisor.

$$6 \div \underline{\quad} = 3$$

Name _____

Grade 3 **Course Benchmark 3** (continued)
For use after Chapter 12

9. Find the sum.

$$\begin{array}{r} 205 \\ + 536 \\ \hline \end{array}$$

10. Find the difference.

$$\begin{array}{r} 985 \\ - 399 \\ \hline \end{array}$$

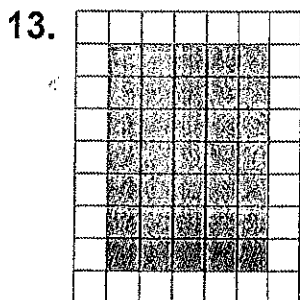
11. Tell whether each statement is *true* or *false*.

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

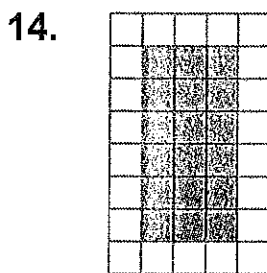
- All the values in the row for 2 are even. _____
- The values in the column for 3 increase by 4. _____
- The values in the row for 6 and the column for 7 are the same because of the Commutative Property of Multiplication. _____

12. Round 59 to the nearest ten. _____

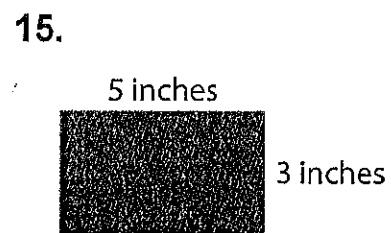
Find the area of the rectangle.



_____ square units



= 1 square inch

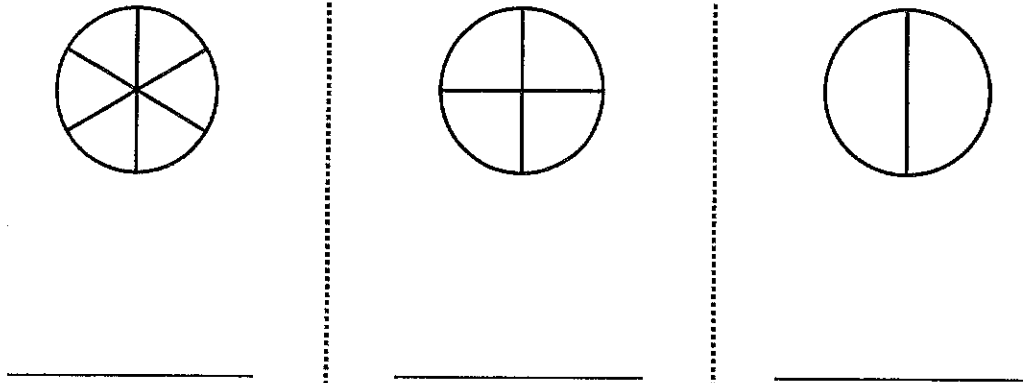


_____ × _____ = _____

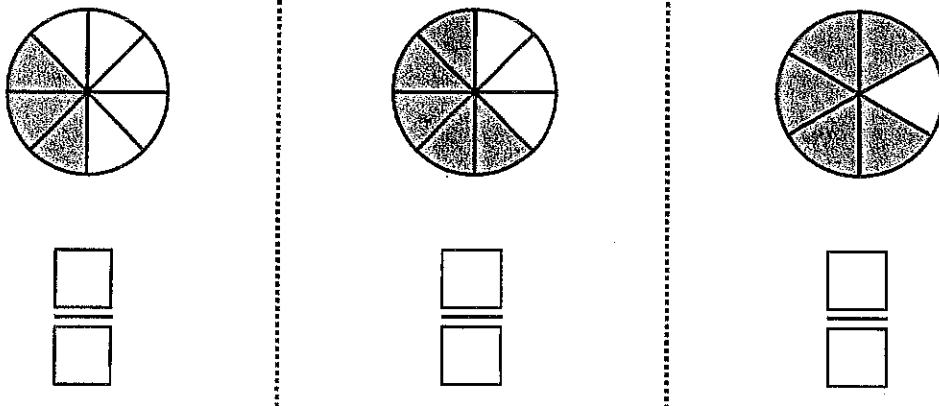
Name _____

Grade 3 **Course Benchmark 3** (continued)
For use after Chapter 12

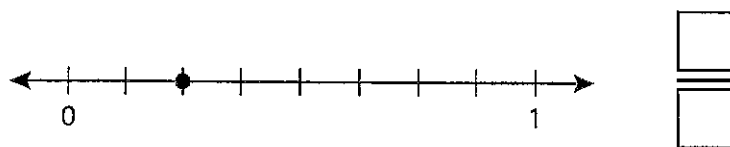
16. Use *halves*, *fourths*, and *sixths* to name the equal parts shown by each shape.



17. What fraction of each whole is shaded?



18. Write the fraction shown by the point on the number line.



Name _____

Grade 3 **Course Benchmark 3** (continued)
For use after Chapter 12

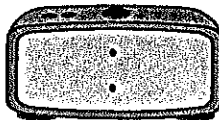
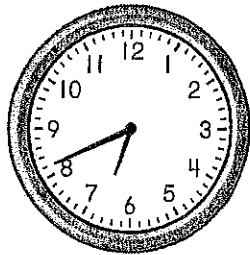
19. Find the equivalent fraction.

$$\frac{3}{3} = \frac{\square}{2}$$

20. Find the product.

$$4 \times 50 = \underline{\hspace{2cm}}$$

21. What time does the clock show?



22. What is the total liquid volume shown?



Multiplication and Division

Find each missing number.

1. $3 \times \underline{\quad} = 27$

$7 \times \underline{\quad} = 42$

$5 \times \underline{\quad} = 50$

$12 \times \underline{\quad} = 36$

2. $\underline{\quad} \times 7 = 49$

$9 \times \underline{\quad} = 81$

$4 \times \underline{\quad} = 28$

$\underline{\quad} \times 8 = 32$

3. $\underline{\quad} \times 5 = 45$

$\underline{\quad} \times 4 = 12$

$\underline{\quad} \times 8 = 72$

$6 \times \underline{\quad} = 24$

4. $\underline{\quad} \times 8 = 64$

$6 \times \underline{\quad} = 48$

$\underline{\quad} \times 7 = 63$

$10 \times \underline{\quad} = 100$

5. $6 \times \underline{\quad} = 42$

$\underline{\quad} \times 4 = 16$

$8 \times \underline{\quad} = 40$

$\underline{\quad} \times 3 = 21$

Find each missing number. Use a multiplication fact to help you.

6. $48 \div \square = 8$

$36 \div \square = 6$

$36 \div \square = 4$

7. $\square \div 7 = 6$

$\square \div 9 = 5$

$\square \div 4 = 7$

8. $\square \div 10 = 8$

$63 \div \square = 9$

$27 \div \square = 3$

9. $5 = 15 \div \square$

$6 = \square \div 5$

$10 = \square \div 3$

10. $22 = 44 \div \square$

$7 = \square \div 7$

$7 = 56 \div \square$

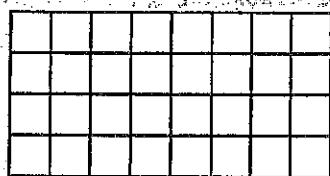


Create multiplication and division mysteries for your child. Say, "You can watch TV for the same amount of minutes as the product of 5 and 6," or "Bring me the same number of spoons that matches the divisor of 63 and 9."

Division

Solve each problem. Draw a picture if it helps you find the answer.

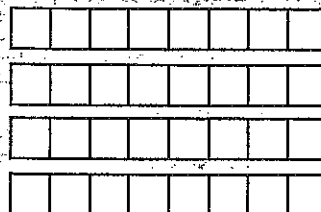
Example:



32



$32 \div 8 = 4$



$32 \div 4 = 8$

1. $6 \div 2 = \underline{\quad}$

2. $12 \div 3 = \underline{\quad}$

3. $15 \div 5 = \underline{\quad}$

$6 \div 3 = \underline{\quad}$

$12 \div 4 = \underline{\quad}$

$15 \div 3 = \underline{\quad}$

4. $10 \div 5 = \underline{\quad}$

5. $16 \div 2 = \underline{\quad}$

6. $20 \div 4 = \underline{\quad}$

$10 \div 2 = \underline{\quad}$

$16 \div 8 = \underline{\quad}$

$20 \div 5 = \underline{\quad}$

7. $24 \div 6 = \underline{\quad}$

8. $28 \div 4 = \underline{\quad}$

9. $36 \div 9 = \underline{\quad}$

$24 \div 4 = \underline{\quad}$

$28 \div 7 = \underline{\quad}$

$36 \div 4 = \underline{\quad}$

10. $16 \div 8 = \underline{\quad}$

11. $48 \div 6 = \underline{\quad}$

12. $54 \div 9 = \underline{\quad}$

$16 \div 2 = \underline{\quad}$

$48 \div 8 = \underline{\quad}$

$54 \div 6 = \underline{\quad}$

Shown below is another way to write division problems. Solve each problem.

13. $5 \overline{)40}$

14. $6 \overline{)42}$

15. $3 \overline{)27}$

16. $2 \overline{)16}$

17. $7 \overline{)49}$

18. $8 \overline{)56}$

19. $4 \overline{)16}$

20. $9 \overline{)45}$

21. $10 \overline{)90}$

22. $6 \overline{)48}$

23. $7 \overline{)56}$

24. $9 \overline{)36}$



For any incorrect answers on this page, encourage your child to draw a picture to help him or her find the correct answer. For all correct answers, have your child write a multiplication problem that helped him or her solve the problem.

Multiplication

Solve each problem.

$1. 6 \times 5 = \underline{\quad}$

$7 \times 7 = \underline{\quad}$

$9 \times 3 = \underline{\quad}$

$4 \times 8 = \underline{\quad}$

$2. 5 \times 9 = \underline{\quad}$

$6 \times 3 = \underline{\quad}$

$7 \times 6 = \underline{\quad}$

$9 \times 5 = \underline{\quad}$

$3. 9 \times 9 = \underline{\quad}$

$8 \times 3 = \underline{\quad}$

$3 \times 7 = \underline{\quad}$

$4 \times 9 = \underline{\quad}$

$4. 8 \times 7 = \underline{\quad}$

$9 \times 6 = \underline{\quad}$

$6 \times 6 = \underline{\quad}$

$8 \times 8 = \underline{\quad}$

$5. \begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$

$\begin{array}{r} 10 \\ \times 6 \\ \hline \end{array}$

$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$

$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$

$\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$

$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$

$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$

$6. \begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$

$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$

$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$

$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$

$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$

$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$

$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$

$7. \begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$

$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$

$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$

$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$

$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$

$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$

$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$

$8. \begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$

$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$

$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$

$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$

$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$

$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$

$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$

$9. 5 \times 5 = \underline{\quad}$

$4 \times 7 = \underline{\quad}$

$8 \times 9 = \underline{\quad}$

$2 \times 7 = \underline{\quad}$

11



Ask your child to turn each multiplication problem on this page into a division equation. Discuss the relationship between multiplication and division with your child.

Addition and Subtraction

Solve each problem.

1.
$$\begin{array}{r} 34 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ +31 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ +17 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ +35 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ +32 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 51 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ +14 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ +13 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +48 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ +54 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ +21 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 86 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ -12 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ -45 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ -30 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ -26 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ -33 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 39 \\ -13 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ -46 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ -14 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ -52 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ -37 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ -24 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 182 \\ +703 \\ \hline \end{array}$$

$$\begin{array}{r} 231 \\ +547 \\ \hline \end{array}$$

$$\begin{array}{r} 825 \\ +163 \\ \hline \end{array}$$

$$\begin{array}{r} 436 \\ +562 \\ \hline \end{array}$$

$$\begin{array}{r} 325 \\ +202 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 274 \\ +320 \\ \hline \end{array}$$

$$\begin{array}{r} 641 \\ +345 \\ \hline \end{array}$$

$$\begin{array}{r} 908 \\ +61 \\ \hline \end{array}$$

$$\begin{array}{r} 365 \\ +424 \\ \hline \end{array}$$

$$\begin{array}{r} 207 \\ +712 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 684 \\ -253 \\ \hline \end{array}$$

$$\begin{array}{r} 634 \\ -421 \\ \hline \end{array}$$

$$\begin{array}{r} 835 \\ -610 \\ \hline \end{array}$$

$$\begin{array}{r} 738 \\ -502 \\ \hline \end{array}$$

$$\begin{array}{r} 325 \\ -102 \\ \hline \end{array}$$



Ask your child how he or she solved several of the problems on this page. For instance, was place value used to break the problem down or did your child use the relationship between addition and subtraction to solve?