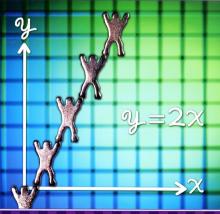
# § Mathematics



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Add. Check by adding in the reverse order.

8. 4 and 2 plus 1(7)

Warm Up - Activity

Use addition fact cards to review basic addition facts through 9 + 9.

team's score is the number of facts

answered correctly in three minutes.

town 14 \* Addition fain and Properties

board. Reinforce the properties by having students use

counters to demonstrate these properties:

(3 + 1) + 5 = 3 + (1 + 5)

It's Algebra! The concepts in this lesson prepare

## 7 Teach

Introduce the Lesson Ask a student to read the problem aloud and rell what is to be solved, how many games the Cacka prace; If lave students led What they need to know to solve the problem; manifered games usen and lostly Ask where this information can be found, in the chard of the cache of

problem. Develop Skills and Concepts Recall that addition involves joining together two or more groups to find a total. Stress poining together two or more groups to find a total. Stress the property of the stress of the stress of the stress the total is the source of the stress of the stress size. Write an addition fact in both vertical and horizontal form. Discuss each of the addition properties. Have students write examples of each prosecty on the Law students write examples of each prosecty on the stress with examples of each prosecty on the stress whice a sumple of each prosecty on the stress whice examples of each prosecty on the stress which examples of each prosecty on the stress whice examples of each prosecty on the stress whice examples of each prosecty on the stress whice examples of each prosecty on the stress which examples of each process of the stress which examples of each process of the stress which examples of the stress which examples of the stress which exa 2 + 4 = 4 + 2 7 + 0 = 7 (3 + 1) + 5 = 3 + It's Algebra! The o students for algebra.

Have students complete all the exercises. Before they begin, be sure students understand the directions for each section. Remind them to include the units with their answers to each word problem. Then, have students complete the page independently.

Practice					
Find each sum.					
1. 4+4= 8	2.7	+5= 12	3. 3+7= 10	. 9+	3 = 12
s. 2+8= 10	6.8	+ 6 = 14	1, 7+6= 13	K 0+	5 = 5
9. 6+3=_9	10, 8	+ 2 =	11. 8+9= 17	12. 3+	6-2
13. 9+7= 16	16. 3	+2=_5_	15. 9+4= 13	16. 7+	7 = 14
17. 1+7= 8	16. 4	+8 = 12	19. 5+6= 11	26. 7+	s - <u>15</u>
Add. Check by adding	g in the revers	e order.			
21. 9 22 +5 14	6 +6 12	23. 0	24. 7 +4 11	25. 8 +6 14	26. 5 +2 7
27. 4 28 42 9	1 6 +8 15	29. 6 3 +5 14	50. 8 1 +3 12	31. 5 0 +8 13	32. 5 2 +5 12
33. 0 34 + 9 9	5 +1 6	35. 2 +4 6	36. 8 +3 11	37. 4 +6 10	35. 8 +8 16
Problem Solvine					
Solve each problem.					
ss. Chris paid 56	to see a footl	rall game.	43. Ellie scored	3 soccor goals	in the first

10. Chris maid 56 to see a football some

- ... In a football came. Widt scored a field
- 43. Arrive earned \$5 babysitting on Friday
- 13. Mickey ran 5 kilometers on Monday.

Lease 1-1 \* Addition facts and Properties

Use addition fact cards to assess students on the more difficult teen facts.

### For Mixed Abilities

Common Frence . Intervention Some students may not have mastered all of the addition facts. Have them work with partners to make their own fact cards for those facts that give them trouble. Have partners take turns practicing with these fact cards. Then collect the fact cards from each pair of students and use them with the whole class, suggesting that these are facts that are frequently missed.

Have students work in pairs. Provide 3 number cubes for each pair of students. One student rolls two number cubes and gives the sum. The other student rolls a number cube and adds that number to the sum given by the first student.

Illustrate on the board or on a transparency an example of a Venn diagram using overlapping circles. For example, label one circle M and one circle F. Tell students to use a Venn diagram to illustrate their family including siblines, grandparents, aunts. uncles, and cousins, using their first names. Tell students circle M. represents the members of their mother's side of the family, and is written M = { }. Circle F represents their father's side of the family, and is written  $F = \{\}.$ 

Ask which members belong to both Sets M and E the stude and siblings) Point out that whenever elements belong to both sets, it is the intersection of the two sets. Whenever the elements of both sets are combined, it is the union of both sets. Have students list the names of those family members that represent the intersection of the two sets and the names of those family members that represent the union of the two sets.

. To review subtraction facts and related addition facts

minuend, subtrahend, difference, inverse operation, fact family

\*subtraction fact cards: sets of strips.

with dots on them to represent each number 1-9

Have students find each difference.

1. 6 - 4(2)

3. 9 - 7(2) 4. 12 - 4(8)

6. 10 - 5 (6)

7. the difference between 11 and 6

8. the difference between 13 and 7

Use subtraction fact cards to review basic subtraction facts. Divide the class into two teams. A team's score is the number of facts correctly answered in three minutes.

Introduce the Lesson Have a student read the problem aloud and tell what is to be solved. Itsey much of (a) Call attention to the picture and ask what information it provides (the cost of the calculator) Have students complete the sentences to solve the problem. Emphasize the vocabulary and recall the use of the minus sign to indicate subtraction. Ask students how they might check the answer, (add \$3 to \$7) Discuss the Inverse Property and explain that addition can be used to check subtraction. Have students name other members. of the fact family for 9 + 8 /8 + 9 17 - 8 17 - 9

Develop Skills and Concepts Write 14 - 6 both vertically and horizontally on the board. Have students identify the minuend and subtrahend, and name the difference.

\*indicates teacher demonstration materials

Lynn is buying a new calculator. She pass for it We know she gives the clerk 510 and the calculator costs 57 To find the difference, we subtract the cost of the 57 from \$10 minued subtahend difference Lynn receives \_\_\_\_\_\_ in change Understanding the relationship between addition and Any three numbers can be used to write four related Find each difference. 1. 11 - 3 = 1 1. 16 - 8 = 1

Salve. Check by union the inserne execution Write the missing addend

Lesson 1-2 . Subtraction Such and Properties

Recall that subtraction is used to determine how much is left or to compare two groups. Develop skill with the Inverse Property by having students complete the following problems: (6) - 2 = 4

|2| + 4 = 66 - (4) = 2It's Algebra! The concepts in this lesson prepare students for algebra.

4+(2)-6

Have students complete all the exercises. Before they begin, be sure students understand the directions for each section. Make certain that students can recognize the inverse of a given operation. Then, have students complete the page independently.

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