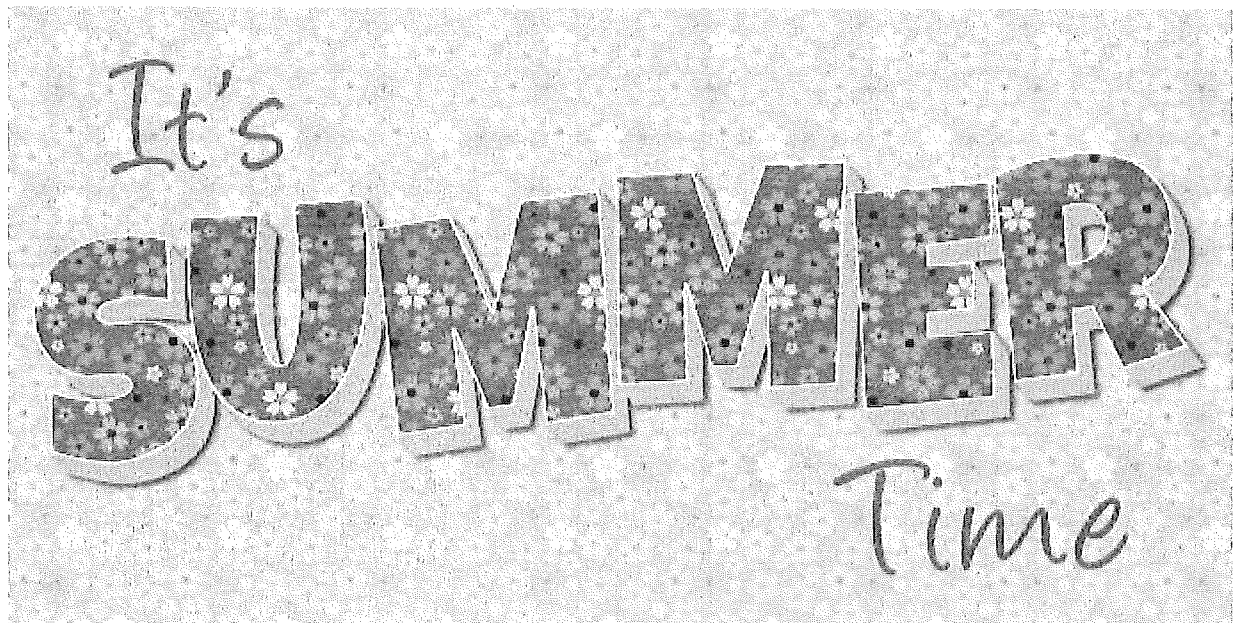


Name: _____

Hillers Elementary

Math Summer Packet
for Students
Entering 4th Grade



3rd Grade Teacher: _____

4th Grade Math Teacher: Mr. Gonzalez

Dear students and families,

It is important for students to review math skills during the summer months. The following activities will reinforce 3rd grade math concepts and help prepare them for the first few months of 4th grade math. This packet will be collected and graded by Mr. Gonzalez (4th grade math teacher) during the first week of school in September.

At the top of each page you will see examples of how to complete the activities. If needed, use the title of each page to search youtube for help videos. You will find hundreds of videos for each topic / title.

Most important of all, I need students to enter 4th grade completely knowing all multiplication facts up to 15. This is perhaps the most important skill needed for 4th grade math success. It will be very difficult to keep pace with the class if the multiplication facts are not mastered when they enter in September.

Please do not let your child complete the entire packet in one sitting. Students should begin working on their multiplication facts in July, then start the packet in August while they continue memorizing their multiplication facts. Enjoy your summer and I look forward to meeting everyone in September.

Take care,

Mr. Gonzalez

4th Grade Math Teacher

Hiller Elementary School

Master all multiplication
facts up to 15. It will be
very difficult to pass 4th
grade math if you don't
know your facts in
September.

Expanded form (numbers to 100,000)

Grade 4 Place Value Worksheet

Write the numbers in expanded form.

Example: $23,493 = 20,000 + 3,000 + 400 + 90 + 3$

1) 8,256 _____

2) 40,072 _____

3) 57,691 _____

4) 80,513 _____

5) 3,818 _____

6) 10,460 _____

7) 5,936 _____

8) 97,946 _____

9) 50,593 _____

10) 94,424 _____

11) 21,042 _____

12) 30,911 _____



Solve each problem.

Answers

- 1) What place is the 6 at in the number 8,356,419?
- 2) What digit is in the ones place in the number 92,718?
- 3) What place is the 9 at in the number 8,492?
- 4) What digit is in the hundred thousands place in the number 821,975?
- 5) What place is the 7 at in the number 6,821,759?
- 6) What digit is in the ones place in the number 6,934,271?
- 7) What place is the 4 at in the number 2,743?
- 8) What digit is in the tens place in the number 15?
- 9) What place is the 9 at in the number 86,791?
- 10) What digit is in the tens place in the number 6,139,482?
- 11) What place is the 6 at in the number 4,365,897?
- 12) What digit is in the ones place in the number 471,832?
- 13) What place is the 3 at in the number 5,398,472?
- 14) What digit is in the hundreds place in the number 37,128?
- 15) What place is the 3 at in the number 42,163?
- 16) What digit is in the hundred thousands place in the number 1,964,532?
- 17) What place is the 9 at in the number 7,925?
- 18) What digit is in the ones place in the number 6,728,941?
- 19) What place is the 3 at in the number 4,628,137?
- 20) What digit is in the tens place in the number 2,476,185?

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Mixed rounding: round numbers to the underlined digit

Grade 4 Rounding Worksheet

Example: 4,689 rounded to the nearest 1,000 is 5,000

Round to the accuracy of the underlined digit.

1. 31,144 = _____ 2. 98,267 = _____ 3. 24,308 = _____

4. 70,326 = _____ 5. 56,735 = _____ 6. 3,837 = _____

7. 57,061 = _____ 8. 52,646 = _____ 9. 87,993 = _____

10. 82,240 = _____ 11. 62,224 = _____ 12. 77,152 = _____

13. 65,547 = _____ 14. 38,595 = _____ 15. 26,646 = _____

16. 65,826 = _____ 17. 9,767 = _____ 18. 84,327 = _____

19. 1,134 = _____ 20. 46,822 = _____ 21. 79,321 = _____

**Round each number to the place value specified.****Answers**

- 1) Round 592 to the nearest hundred.
- 2) Round 39,339 to the nearest hundred.
- 3) Round 6,709 to the nearest hundred.
- 4) Round 431,526 to the nearest thousand.
- 5) Round 4,657 to the nearest hundred.
- 6) Round 75,774 to the nearest thousand.
- 7) Round 6,784 to the nearest thousand.
- 8) Round 973 to the nearest hundred.
- 9) Round 4,821 to the nearest ten.
- 10) Round 4,558 to the nearest ten.
- 11) Round 58,478 to the nearest hundred.
- 12) Round 96,530 to the nearest thousand.
- 13) Round 197 to the nearest ten.
- 14) Round 119,756 to the nearest hundred.
- 15) Round 865 to the nearest ten.
- 16) Round 115,964 to the nearest ten.
- 17) Round 847 to the nearest hundred.
- 18) Round 45,836 to the nearest ten.
- 19) Round 801,945 to the nearest ten thousand.
- 20) Round 492,128 to the nearest ten thousand.

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Find the missing place value from a 5-digit number

Grade 4 Place Value Worksheet

Find the missing numbers:

1) $6 + \underline{\hspace{2cm}} + 100 + 3,000 + 70,000 = 73,166$

2) $9 + 30 + \underline{\hspace{2cm}} + 2,000 + 60,000 = 62,739$

3) $9 + \underline{\hspace{2cm}} + 700 + 2,000 + 60,000 = 62,759$

4) $7 + 200 + 2,000 + \underline{\hspace{2cm}} + 30,000 = 32,297$

5) $700 + \underline{\hspace{2cm}} + 40,000 + 2,000 + 5 = 42,795$

6) $30,000 + \underline{\hspace{2cm}} + 40 + 8,000 + 0 = 38,440$

7) $300 + 80,000 + 6 + 3,000 + \underline{\hspace{2cm}} = 83,336$

8) $9 + 90 + 600 + \underline{\hspace{2cm}} + 20,000 = 24,699$

9) $900 + \underline{\hspace{2cm}} + 60,000 + 5,000 + 4 = 65,974$

10) $7,000 + 400 + \underline{\hspace{2cm}} + 2 + 70,000 = 77,462$

11) $\underline{\hspace{2cm}} + 70 + 800 + 5,000 + 80,000 = 85,871$

12) $\underline{\hspace{2cm}} + 50 + 400 + 9,000 + 40,000 = 49,458$

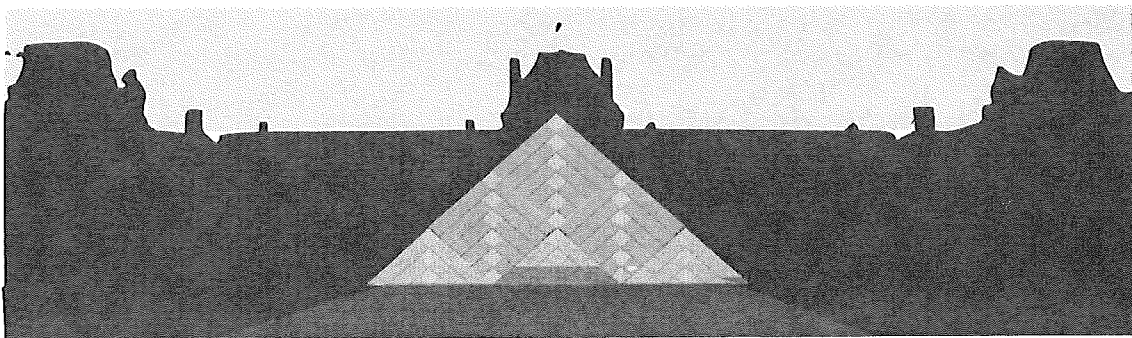
Addition and subtraction word problems

Grade 4 Word Problems Worksheet

The table shows the number of people visiting an art museum over 3 months.

	January	February	March
Child	28	34	56
Adult	59	?	55
Senior	15	22	?
Total	?	139	?

1. What is the total number of people that visited the art museum in January?
2. Compared to January, how many more children go to the museum in February?
3. How many adults visited the museum in February?



4. 16 more seniors visited in March than the number that visited in January and February combined. How many seniors visited the museum in March?
5. Which month had the highest number of visitors?
6. Write an equation using "x" and then solve the equation.
"In February, there were x museum pass holders admitted to the museum. 68 of the visitors did not have a museum pass."



Use subtraction to solve the following problems.

Answers

$$\begin{array}{r} 1) \quad 8,672 \\ - 1,995 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 3,675 \\ - 1,960 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 7,153 \\ - 5,306 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 1,215 \\ - 1,211 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 9,349 \\ - 2,610 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 9,437 \\ - 9,283 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 7,327 \\ - 2,877 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 7,300 \\ - 5,953 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 6,966 \\ - 3,756 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 4,693 \\ - 4,608 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 3,921 \\ - 1,670 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 8,080 \\ - 5,190 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 1,987 \\ - 1,649 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 2,278 \\ - 1,257 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 2,751 \\ - 2,160 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 8,216 \\ - 3,352 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 8,062 \\ - 1,070 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 5,396 \\ - 3,823 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 7,507 \\ - 7,037 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 9,598 \\ - 7,000 \\ \hline \end{array}$$

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Subtracting - borrowing across two zeros

Grade 4 Subtraction Worksheet

Find the difference.

$$\begin{array}{r} 1. \quad 5,200 \\ - \quad 71 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 9,900 \\ - 2,719 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 4,700 \\ - \quad 974 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 9,000 \\ - \quad 231 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 9,300 \\ - \quad 942 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 4,600 \\ - 1,196 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 9,300 \\ - 3,078 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 7,100 \\ - \quad 499 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 6,000 \\ - 1,938 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 100 \\ - \quad 60 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 8,500 \\ - 2,486 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 900 \\ - \quad 77 \\ \hline \\ \hline \end{array}$$

Multiplication - distributive property

Grade 4 Multiplication Worksheet

Example: $3 \times 23 = (3 \times 20) + (3 \times 3) = 60 + 9 = 69$

Rewrite the equations using the distributive property and find the answer.

1. $6 \times 46 =$ _____

2. $6 \times 26 =$ _____

3. $9 \times 23 =$ _____

4. $6 \times 39 =$ _____

5. $3 \times 49 =$ _____

6. $7 \times 16 =$ _____

7. $7 \times 46 =$ _____

8. $8 \times 27 =$ _____

9. $7 \times 28 =$ _____

10. $5 \times 31 =$ _____



Solve each problem.

Answers

- 1) If $8 \times 2 = 16$, then $800 \times 2 =$ _____
- 2) If $5 \times 1 = 5$, then $500 \times 1 =$ _____
- 3) If $8 \times 3 = 24$, then $80 \times 3 =$ _____
- 4) If $5 \times 4 = 20$, then $500 \times 4 =$ _____
- 5) If $8 \times 6 = 48$, then $800 \times 6 =$ _____
- 6) If $5 \times 9 = 45$, then $50 \times 9 =$ _____
- 7) If $6 \times 5 = 30$, then $600 \times 5 =$ _____
- 8) If $3 \times 9 = 27$, then $300 \times 9 =$ _____
- 9) If $4 \times 5 = 20$, then $40 \times 5 =$ _____
- 10) If $1 \times 2 = 2$, then $10 \times 2 =$ _____
- 11) If $5 \times 5 = 25$, then $5 \times 50 =$ _____
- 12) If $9 \times 8 = 72$, then $9 \times 80 =$ _____
- 13) If $7 \times 1 = 7$, then $7 \times 100 =$ _____
- 14) If $4 \times 2 = 8$, then $4 \times 20 =$ _____
- 15) If $9 \times 9 = 81$, then $9 \times 90 =$ _____
- 16) If $6 \times 2 = 12$, then $6 \times 200 =$ _____
- 17) If $1 \times 7 = 7$, then $1 \times 700 =$ _____
- 18) If $9 \times 6 = 54$, then $9 \times 60 =$ _____
- 19) If $4 \times 4 = 16$, then $4 \times 400 =$ _____
- 20) If $9 \times 2 = 18$, then $9 \times 200 =$ _____

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**Determine which choice shows the expression used to solve the problem.****Answers**

- 1) Adam was reading through his favorite book series. The first week he read three different books. The next week he read nine books. How many books did he read total?
A. $3 + 9$ B. $9 - 3$ C. 3×9 D. $9 \div 3$
- 2) The roller coaster at the state fair costs three tickets per ride. If seven friends were going to ride the roller coaster, how many tickets would they need?
A. $3 + 7$ B. $7 - 3$ C. 3×7 D. $7 \div 3$
- 3) Rachel had to complete seven pages of math homework and three pages of reading homework. How many pages did she have to complete total?
A. $7 + 3$ B. $7 - 3$ C. 7×3 D. $7 \div 3$
- 4) Carol was sending out birthday invitations to her friends. If each package of invitations she bought had seven invitations in it and she bought two packs, how many friends can she invite?
A. $7 + 2$ B. $7 - 2$ C. 7×2 D. $7 \div 2$
- 5) A chef can cook three meals in a minute. If he cooked twenty-four meals, how long did it take him?
A. $24 + 3$ B. $24 - 3$ C. 24×3 D. $24 \div 3$
- 6) Vanessa bought eleven old CDs at a garage sale. If seven of the CDs were scratched up, how many good CDs did she buy?
A. $11 + 7$ B. $11 - 7$ C. 11×7 D. $11 \div 7$
- 7) Lana was helping her mom pick apples from the tree in their front yard. Together they picked twelve total. If four of the apples weren't ripe yet, how many good apples did they pick?
A. $12 + 4$ B. $12 - 4$ C. 12×4 D. $12 \div 4$
- 8) Amy was buying different soups. She bought seven cans of chicken soup and four cans of tomato soup. How many soups did she buy?
A. $7 + 4$ B. $7 - 4$ C. 7×4 D. $7 \div 4$
- 9) An architect built a house with nine bedrooms total. If the second floor had four bedrooms. How many bedrooms does the first floor have?
A. $9 + 4$ B. $9 - 4$ C. 9×4 D. $9 \div 4$
- 10) A pet store had four cages of snakes with five snakes in each cage. How many snakes did the pet store have total?
A. $4 + 5$ B. $5 - 4$ C. 4×5 D. $5 \div 4$

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