

INCOMING 4TH GRADE MATH PACKET

Incoming 4th graders,

This is your math packet to complete during the summer to review basic math skills. This packet will be collected the first day of school.

In addition to the math packet, The Mouse and the Motorcycle, by Beverly Cleary is your assigned summer reading. If you should need a copy of this book, please contact Mrs. Adams for a copy.

Have a great summer!

Mrs. Adams

Mrs. Benedict

Excellent websites for fun learning and reinforcement of math skills:

www.wildmath.com Select "Play the game". Select addition, subtraction or multiplication and grade. You can race to beat your time.

www.aplusmath.com Go under "Flashcards" or "Game Room" on the left side of the screen. They can practice adding, subtracting and multiplying. Very important to know the addition, subtraction and multiplication facts from memorization or within a couple seconds.

www.mathisfun.com Select numbers then Math Trainer for adding, subtracting and multiplication. Or at the home screen select games and pick a game to play.

www.eduplace.com Select your state – "Michigan" press submit. Select the student tab then click on the "mathematics" rectangle. Click in the center book "Houghton Mifflin Math 2007", Click on "Grade 3. Select any games. Extra Help and Extra Practice is good, also eGames.

www.illuminations.nctm.org Select activities then select grade level. Click on Search.

www.aaamath.com At the top pick "Third" or "Fourth" for a challenge. Choose any of the activities like multiplication then select "play" option toward the top of the screen. 20 Questions and Countdown games are good ones.

www.funbrain.com Lots of fun games to choose from.

<http://www.coolmath-games.com/>

<https://www.prodigygame.com/>

Other games and activities you can play:

- Take a deck of cards and remove the face cards (kings, queens, jacks). Aces are one. Divide the cards evenly among 2 players. Each player flips over a card. The first one to add the 2 numbers correctly wins the cards. After going through the pile of cards, the player with the most cards wins. You can do a multiplication version also.

Adding 3-Digit Numbers (A)

Name: _____

Date: _____

Calculate each sum.

$$\begin{array}{r} 236 \\ + 260 \\ \hline \end{array}$$

$$\begin{array}{r} 151 \\ + 897 \\ \hline \end{array}$$

$$\begin{array}{r} 802 \\ + 776 \\ \hline \end{array}$$

$$\begin{array}{r} 180 \\ + 620 \\ \hline \end{array}$$

$$\begin{array}{r} 961 \\ + 649 \\ \hline \end{array}$$

$$\begin{array}{r} 553 \\ + 455 \\ \hline \end{array}$$

$$\begin{array}{r} 195 \\ + 666 \\ \hline \end{array}$$

$$\begin{array}{r} 501 \\ + 799 \\ \hline \end{array}$$

$$\begin{array}{r} 520 \\ + 287 \\ \hline \end{array}$$

$$\begin{array}{r} 240 \\ + 423 \\ \hline \end{array}$$

$$\begin{array}{r} 538 \\ + 943 \\ \hline \end{array}$$

$$\begin{array}{r} 586 \\ + 956 \\ \hline \end{array}$$

$$\begin{array}{r} 674 \\ + 662 \\ \hline \end{array}$$

$$\begin{array}{r} 984 \\ + 534 \\ \hline \end{array}$$

$$\begin{array}{r} 801 \\ + 990 \\ \hline \end{array}$$

$$\begin{array}{r} 632 \\ + 290 \\ \hline \end{array}$$

$$\begin{array}{r} 328 \\ + 310 \\ \hline \end{array}$$

$$\begin{array}{r} 669 \\ + 805 \\ \hline \end{array}$$

$$\begin{array}{r} 533 \\ + 323 \\ \hline \end{array}$$

$$\begin{array}{r} 988 \\ + 215 \\ \hline \end{array}$$

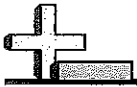
$$\begin{array}{r} 379 \\ + 233 \\ \hline \end{array}$$

$$\begin{array}{r} 379 \\ + 635 \\ \hline \end{array}$$

$$\begin{array}{r} 227 \\ + 820 \\ \hline \end{array}$$

$$\begin{array}{r} 508 \\ + 983 \\ \hline \end{array}$$

$$\begin{array}{r} 371 \\ + 311 \\ \hline \end{array}$$



Use subtraction to solve the following problems.

Answers

$$\begin{array}{r} 1) \quad 6,005 \\ - 3,740 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 4,001 \\ - 2,013 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 3,001 \\ - 1,839 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 4,006 \\ - 1,684 \\ \hline \end{array}$$

1. _____

2. _____

3. _____

4. _____

$$\begin{array}{r} 5) \quad 8,008 \\ - 7,614 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 2,005 \\ - 1,564 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 2,003 \\ - 1,606 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 5,004 \\ - 4,629 \\ \hline \end{array}$$

5. _____

6. _____

7. _____

$$\begin{array}{r} 9) \quad 7,007 \\ - \quad 805 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 6,006 \\ - 3,387 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 4,007 \\ - \quad 807 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 4,009 \\ - \quad 390 \\ \hline \end{array}$$

8. _____

9. _____

10. _____

11. _____

$$\begin{array}{r} 13) \quad 1,008 \\ - \quad 12 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 6,008 \\ - \quad 683 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 4,001 \\ - 1,020 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 6,003 \\ - 1,165 \\ \hline \end{array}$$

12. _____

13. _____

14. _____

15. _____

$$\begin{array}{r} 17) \quad 1,004 \\ - \quad 264 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 8,005 \\ - 3,839 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 8,001 \\ - 4,411 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 5,004 \\ - 4,499 \\ \hline \end{array}$$

16. _____

17. _____

18. _____

19. _____

20. _____



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

- 1) Vanessa was buying DVDs of her old favorite TV series. She bought eight DVDs at the store and she bought seven online. How many DVDs did she buy total?
A. $8 + 7$ B. $8 - 7$
C. 8×7 D. $8 \div 7$
- 2) A mailman has to give twenty-eight pieces of junk mail to each block. If there are four houses on a block how many pieces of junk mail should he give each house?
A. $28 + 4$ B. $28 - 4$
C. 28×4 D. $28 \div 4$
- 3) Billy bought five boxes of books at a yard sale. If each box had seven books how many books did he buy?
A. $5 + 7$ B. $7 - 5$
C. 5×7 D. $7 \div 5$
- 4) Roger could fit seven action figures on each shelf in his room. His room has two shelves. How many action figures total could his shelves hold?
A. $7 + 2$ B. $7 - 2$
C. 7×2 D. $7 \div 2$
- 5) Jerry was buying books about astronomy. He bought eight books about the planets and four about the space program. How many books did he buy total?
A. $8 + 4$ B. $8 - 4$
C. 8×4 D. $8 \div 4$
- 6) At the fair the 'Twirly Tea Cups' ride can hold nine people per tea cup. If the ride has seven tea cups, how many total people can ride at a time?
A. $9 + 7$ B. $9 - 7$
C. 9×7 D. $9 \div 7$
- 7) Mike played six games of basketball with his friends. If Mike scored four points each game, how many points did he score total?
A. $6 + 4$ B. $6 - 4$
C. 6×4 D. $6 \div 4$
- 8) Sarah had twelve video games. If she put them into stacks with two in each stack, how many stacks could she make?
A. $12 + 2$ B. $12 - 2$
C. 12×2 D. $12 \div 2$
- 9) Emily was selling some of her old toys at a garage sale. She started out with seven toys and sold three of them. How many does she have left?
A. $7 + 3$ B. $7 - 3$
C. 7×3 D. $7 \div 3$
- 10) For a potluck lunch Lana brought thirteen bottles of soda. If everyone only drank five of the sodas, how many did she have to take back home?
A. $13 + 5$ B. $13 - 5$
C. 13×5 D. $13 \div 5$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



Solve each problem.

$40 \div 4 = \underline{\quad}$

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

$60 \div 10 = \underline{\quad}$

$64 \div 8 = \underline{\quad}$

$80 \div 10 = \underline{\quad}$

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

$49 \div 7 = \underline{\quad}$

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

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

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$3 \div 1 = \underline{\quad}$

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

$50 \div 10 = \underline{\quad}$

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Solve each problem.

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

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

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

$5 \div 1 = \underline{\quad}$

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

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



Solve each problem.

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

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

$45 \div 9 = \underline{\quad}$

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

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$56 \div 7 = \underline{\quad}$

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

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



Solve each problem.

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

Section 1:

Express number in word form:

1. 6,257 _____

2. 8,540 _____

3. 7,601 _____

Add. Use mental math.

4. $28 + 56 =$ _____

5. $34 + 49 =$ _____

6. $17 + 67 =$ _____

7. $58 - 47 =$ _____

8. $155 - 53 =$ _____

Express number in expanded form:

9. 9,304 _____

10. 3,052 _____

11. 1,643 _____

Order the numbers from least to greatest.

12. 9,143 9,034 9,134

13. 3,256 3,279 3,238

14. 7,425 7,429 7,420

Find each missing number.

15. 10 more than 2,863 is _____.

16. 100 more than 829 is _____.

17. 1,000 less than 4,059 is _____.

Complete each number pattern.

18. 8,625 8,725 _____ _____ 9,025

19. 862 962 _____ 1,162 _____

20. 6,215 _____ 6,015 _____ _____

Solve.

21. A grocer sells 548 apples and 470 oranges.
Estimate the number of fruits he sells altogether.

22. Circle the mystery number. Use the clues to help you.

118 96 61 47 54

Clue 1: The digits in the number add up to a number greater than 10.

Clue 2: If I count in steps of 2, I will get this number.

Section 2:

Subtract. Use mental math.

1. $94 - 32 =$ _____

2. $78 - 53 =$ _____

3. $72 + 25 =$ _____

4. $65 + 38 =$ _____

5. $51 - 19 =$ _____

Express number in standard form:

6. eight thousand, six hundred twenty-nine _____

7. four thousand, seven hundred thirty _____

8. seven thousand, ten _____

Solve.

9. $52 \times 6 =$ _____ 10. $113 \times 3 =$ _____ 11. $21 \times 7 =$ _____

Complete by rounding each value to nearest ten and hundred.

value	nearest ten	nearest hundred
-------	-------------	-----------------

12. 139

13. 658

14. 1,099

15. What number is 500 less than 6,125? answer _____

6. Complete the number pattern.

30 80 180 330 _____

7. I am a 3-digit number that is less than 500.

My ones digit is twice the hundreds digit.

The sum of the three digits is 14.

What number am I?

Answer: _____

8. $45 + 5 = \underline{\quad\quad} - 100$. The missing number is _____.

a. 30 b. 70 c. 130 d. 150

9. In the number 8,296 what is the value of the digit 2?

Answer: _____

10. Subtract 989 from the sum of 1,857 and 2,465.

Answer: _____

Solve. Show your work and use bar models to help.

11. Allison jogs 3,860 meters and Calvin jogs 5,470 meters.
How far do they jog altogether?

Solve. Show your work.

12. Marbles per bag:

<u>Bag A:</u>	<u>Bag B:</u>	<u>Bag C:</u>	<u>Bag D:</u>	<u>Bag E:</u>
1,138	2,786	1,412	4,354	5,588

Jane takes Bag B and Bag D.

Karen takes Bag E.

a. Who has more marbles?

b. How many more marbles does she have?

Solve.

13. Add 2,659 to 784. The sum is _____ more than 555.

b. 2,878

b. 2,888

c. 2,988

d. 3,988

14. 2,573

+ 1,989

15. When you _____ 23 ones, you get 2 tens and _____ ones.

Section 4:

Multiply mentally.

1. $4 \times 30 =$ _____

2. $9 \times 200 =$ _____

3. $8 \times 8 =$ _____

4. $5 \times 8 =$ _____

5. $7 \times 70 =$ _____

6. $9 \times 9 =$ _____

Solve. Show your work and use bar models to help.

7. A refrigerator costs 5 times as much as a television. The television costs \$429. What is the cost of the refrigerator?

8. The students in class 3A buy 500 packets of seeds to start an eco-garden. On Monday, they use 27 packets of seeds. On Tuesday, they use twice as many packets as on Monday. How many packets of seeds do the students have left?

9. A store records the sales of its toys in the table below.

MONTH	NUMBER OF TOYS SOLD
January	180
February	90 more than in January
March	3 times as many as in February
April	320 fewer than in March

a. How many toys are sold in February?

b. _____
How many toys are sold in March?

c. _____
How many toys are sold in April?

d. _____
How many toys are sold altogether during the four months?

10. 358
 x 2

11. 152
 x 6

12. 126
 x 7

Solve. Show your work and use bar models to help.

13. Sophia prepares 38 cheese sandwiches and 46 tuna sandwiches. She puts the sandwiches equally onto 3 platters. How many sandwiches are on each platter?

14. Maria has \$500. She buys a pair of shoes for \$108. She gives the rest of the money to her 4 nieces. Her nieces share the money equally.

a. How much money does Maria give to her 4 nieces?

b. How much does each niece get?

15. In 5,786 the digit 5 has the same value as _____.

a. 5×1 b. 5×10 c. 5×100 d. $5 \times 1,000$

16. What is the product of 346 and 9?

a. $300 + 14$

b. $3,000 + 14$

c. $300 + 100 + 4$

d. $3,000 + 100 + 14$

17. Divide 87 by 6. The remainder is _____.

a. 2

b. 3

c. 4

d. 5

18. Find the greatest product of a 3-digit number and a 1-digit number using each digit below only once. (3 5 6 7)

	<input type="text"/>	<input type="text"/>	<input type="text"/>	
			<input type="text"/>	
x				
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	