

! To incoming 4th Graders !

Dear Parents,

Summer is here! The packet enclosed should give you a snapshot of what your child should know when entering the upcoming school year. Also, please be aware that your child **NEEDS to have mastered** their multiplication facts 0 – 12. It is a huge disadvantage to your child if he/she does not have their multiplication facts memorized.

The computer programs below can help make next year's preparation fun!

1. www.bigbrainz.com This program is great for multiplication and division facts fast recall. This program does have a free download that your child can take advantage of.
2. www.khanacademy.org This website allows students to make use of an extensive video library, and interactive challenges from any computer with access to the web. Khan Academy's materials and resources are available to you completely free of charge.

☺ Fourth & Fifth Grade Math and Science Team

Multiplication Times Table Chart

1 Times Table	2 Times Table	3 Times Table	4 Times Table
1 X 1 = 1	2 X 1 = 2	3 X 1 = 3	4 X 1 = 4
1 X 2 = 2	2 X 2 = 4	3 X 2 = 6	4 X 2 = 8
1 X 3 = 3	2 X 3 = 6	3 X 3 = 9	4 X 3 = 12
1 X 4 = 4	2 X 4 = 8	3 X 4 = 12	4 X 4 = 16
1 X 5 = 5	2 X 5 = 10	3 X 5 = 15	4 X 5 = 20
1 X 6 = 6	2 X 6 = 12	3 X 6 = 18	4 X 6 = 24
1 X 7 = 7	2 X 7 = 14	3 X 7 = 21	4 X 7 = 28
1 X 8 = 8	2 X 8 = 16	3 X 8 = 24	4 X 8 = 32
1 X 9 = 9	2 X 9 = 18	3 X 9 = 27	4 X 9 = 36
1 X 10 = 10	2 X 10 = 20	3 X 10 = 30	4 X 10 = 40
1 X 11 = 11	2 X 11 = 22	3 X 11 = 33	4 X 11 = 44
1 X 12 = 12	2 X 12 = 24	3 X 12 = 36	4 X 12 = 48
5 Times Table	6 Times Table	7 Times Table	8 Times Table
5 X 1 = 5	6 X 1 = 6	7 X 1 = 7	8 X 1 = 8
5 X 2 = 10	6 X 2 = 12	7 X 2 = 14	8 X 2 = 16
5 X 3 = 15	6 X 3 = 18	7 X 3 = 21	8 X 3 = 24
5 X 4 = 20	6 X 4 = 24	7 X 4 = 28	8 X 4 = 32
5 X 5 = 25	6 X 5 = 30	7 X 5 = 35	8 X 5 = 40
5 X 6 = 30	6 X 6 = 36	7 X 6 = 42	8 X 6 = 48
5 X 7 = 35	6 X 7 = 42	7 X 7 = 49	8 X 7 = 56
5 X 8 = 40	6 X 8 = 48	7 X 8 = 56	8 X 8 = 64
5 X 9 = 45	6 X 9 = 54	7 X 9 = 63	8 X 9 = 72
5 X 10 = 50	6 X 10 = 60	7 X 10 = 70	8 X 10 = 80
5 X 11 = 55	6 X 11 = 66	7 X 11 = 77	8 X 11 = 88
5 X 12 = 60	6 X 12 = 72	7 X 12 = 84	8 X 12 = 96
9 Times Table	10 Times Table	11 Times Table	12 Times Table
9 X 1 = 9	10 X 1 = 10	11 X 1 = 11	12 X 1 = 12
9 X 2 = 18	10 X 2 = 20	11 X 2 = 22	12 X 2 = 24
9 X 3 = 27	10 X 3 = 30	11 X 3 = 33	12 X 3 = 36
9 X 4 = 36	10 X 4 = 40	11 X 4 = 44	12 X 4 = 48
9 X 5 = 45	10 X 5 = 50	11 X 5 = 55	12 X 5 = 60
9 X 6 = 54	10 X 6 = 60	11 X 6 = 66	12 X 6 = 72
9 X 7 = 63	10 X 7 = 70	11 X 7 = 77	12 X 7 = 84
9 X 8 = 72	10 X 8 = 80	11 X 8 = 88	12 X 8 = 96
9 X 9 = 81	10 X 9 = 90	11 X 9 = 99	12 X 9 = 108
9 X 10 = 90	10 X 10 = 100	11 X 10 = 110	12 X 10 = 120
9 X 11 = 99	10 X 11 = 110	11 X 11 = 121	12 X 11 = 132
9 X 12 = 108	10 X 12 = 120	11 X 12 = 132	12 X 12 = 144



Numbers and Words

Integer Values

Name: _____ Date: _____



Write the numbers described by the words.

(1) Five thousand, sixty

(5) Six hundred ninety thousand, five hundred eight

(2) Nine million, seven hundred fifty-three thousand, sixty-two

(6) Eighty thousand, one hundred fifty-two

(3) Four thousand, eight hundred thirty-two

(7) Fifty-four thousand, two hundred three

(4) Five hundred three thousand, seven hundred eighty

(8) Three million, eight hundred nine thousand, two hundred sixty



Write the numbers as words.

(9) 4,902

(13) 26,091

(10) 870,650

(14) 3,426,005

(11) 58,420

(15) 340,576

(12) 1,860

(16) 3,607,809

Name: _____

Place Value

Place and Value

- a. 4,560,000 What place is the underlined digit in? _____
What is the value of the underlined digit? _____
- b. 56,002,030 What place is the underlined digit in? _____
What is the value of the underlined digit? _____
- c. 3,924,560 What place is the underlined digit in? _____
What is the value of the underlined digit? _____
- d. 5,019,204 What place is the underlined digit in? _____
What is the value of the underlined digit? _____
- e. 6,070,321 What place is the underlined digit in? _____
What is the value of the underlined digit? _____
- f. 19,352,340 What place is the underlined digit in? _____
What is the value of the underlined digit? _____
- g. 23,269,002 What place is the underlined digit in? _____
What is the value of the underlined digit? _____

Number Rounding

Name: _____ Date: _____

Answer each of the problems below by rounding the values to the correct decimal place.

(1) Round 29,135,304 to the nearest ten thousand.

(2) Round 603,560 to the nearest hundred.

(3) Round 467,504 to the nearest hundred.

(4) Round 2,134,572 to the nearest thousand.

(5) Round 763,352 to the nearest hundred.

(6) Round 5,389,136 to the nearest thousand.

(7) Round 74,578 to the nearest ten.

(8) Round 7,527,079 to the nearest ten thousand.

(9) Round 7,074,715 to the nearest thousand.

(10) Round 53,029 to the nearest ten.

(11) Round 67,152,786 to the nearest ten thousand.

(12) Round 78,181,817 to the nearest ten thousand.

(13) Round 789,485 to the nearest hundred.

(14) Round 151,257 to the nearest hundred.

(15) Round 71,311 to the nearest ten.

(16) Round 516,684 to the nearest hundred.

(17) Round 43,329 to the nearest ten.

(18) Round 691,163 to the nearest hundred.

(19) Round 60,295 to the nearest ten.

Expanded Notation

When you write a number using expanded notation (expanded form), you are giving a value to each digit.

When you write a number in word form you are putting the number into words.

Let's see how the number 365 looks in standard form, expanded form, and word form.

365 (standard form)

three hundred sixty-five (word form)

$300+60+5$ (expanded form)

Write each number in word form and in expanded form.

	<u>Word form</u>	<u>Expanded form</u>
1. 327	_____	_____
2. 907	_____	_____
3. 432	_____	_____
4. 79	_____	_____
5. 1,464	_____	_____
6. 5,701	_____	_____
7. 290	_____	_____
8. 8,042	_____	_____
9. 791	_____	_____
10. 4,444	_____	_____

You may see questions similar to these on a test.

Which of these shows 1,382 in expanded notation?

- A $1,000 + 382$
- B $1,300 + 80 + 2$
- C $1,000 + 300 + 80 + 2$
- D $1,000 + 300 + 82$

Which of the following is another way to write two thousand two hundred fifty-five?

- A 2,522
- B 2,255
- C 2,252
- D 2,525



Use > , < or = to make each equation true.

1) 25 28

2) 714 741

3) 7,726 6,277

4) 49 49

5) 858 858

6) 1,873 1,837

7) 46 49

8) 386 638

9) 1,687 7,816

10) 19 18

11) 985 895

12) 6,949 9,964

13) 39 35

14) 375 357

15) 4,364 4,643

16) 18 14

17) 549 495

18) 7,724 2,747

19) 31 38

20) 351 153

21) 2,821 2,821

22) 95 91

23) 613 631

24) 6,559 6,595

25) 17 15

26) 296 269

27) 1,916 1,916

28) 87 83

29) 497 497

30) 5,231 3,152

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____
21. _____
22. _____
23. _____
24. _____
25. _____
26. _____
27. _____
28. _____
29. _____
30. _____



Use subtraction to solve the problems.

Answers

$$\begin{array}{r} 1) \quad 152 \\ - \quad 121 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 486 \\ - \quad 349 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 762 \\ - \quad 411 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 477 \\ - \quad 472 \\ \hline \end{array}$$

1. _____

2. _____

3. _____

4. _____

$$\begin{array}{r} 5) \quad 847 \\ - \quad 411 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 193 \\ - \quad 184 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 986 \\ - \quad 514 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 888 \\ - \quad 872 \\ \hline \end{array}$$

5. _____

6. _____

7. _____

8. _____

$$\begin{array}{r} 9) \quad 698 \\ - \quad 396 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 315 \\ - \quad 241 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 135 \\ - \quad 112 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 268 \\ - \quad 144 \\ \hline \end{array}$$

9. _____

10. _____

11. _____

12. _____

$$\begin{array}{r} 13) \quad 975 \\ - \quad 699 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 541 \\ - \quad 379 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 494 \\ - \quad 470 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 749 \\ - \quad 166 \\ \hline \end{array}$$

13. _____

14. _____

15. _____

16. _____

$$\begin{array}{r} 17) \quad 157 \\ - \quad 143 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 782 \\ - \quad 319 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 156 \\ - \quad 111 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 851 \\ - \quad 556 \\ \hline \end{array}$$

17. _____

18. _____

19. _____

20. _____



Determine the elapsed time for the following problems.

Answers

Ex) 1:35 PM + 3 hrs & 30 mins = 5:05 PM

Ex. 3 hrs & 30 mins

1) 6:20 PM + _____ = 9:45 PM

1. _____

2) 6:25 PM + _____ = 7:45 PM

2. _____

3) 1:35 PM + _____ = 5:25 PM

3. _____

4) 8:55 PM + _____ = 11:35 PM

4. _____

5) 2:10 PM + _____ = 5:25 PM

5. _____

6) 5:30 PM + _____ = 8:55 PM

6. _____

7) 4:35 PM + _____ = 6:20 PM

7. _____

8) 8:30 PM + _____ = 11:45 PM

8. _____

9) 8:35 PM + _____ = 10:25 PM

9. _____

10) 3:05 PM + _____ = 6:30 PM

10. _____

11) 4:35 PM + _____ = 7:05 PM

11. _____

12) 7:05 PM + _____ = 10:50 PM

12. _____

13) 5:45 PM + _____ = 7:15 PM

13. _____

14) 8:35 PM + _____ = 11:05 PM

14. _____

15) 2:40 PM + _____ = 5:05 PM

15. _____

16) 6:40 PM + _____ = 9:15 PM

16. _____

17) 1:15 PM + _____ = 4:00 PM

17. _____

18) 5:30 PM + _____ = 6:55 PM

18. _____

19) 4:25 PM + _____ = 8:00 PM

19. _____

20) 5:10 PM + _____ = 8:30 PM

20. _____



Determine the answer for the following problems.

Answers

- 1) Vanessa had two pages of math homework and eight pages of reading homework. If each page had two problems on it, how many problems did she have to complete total?

- 2) Terra bought three new chairs and three new tables for her house. If she spent seven minutes on each piece furniture putting it together, how many minutes did it take her to finish?

- 3) A pet store has four bird cages. If each cage has six parrots and three parakeets in it, how many birds does the pet store have total?

- 4) Quincy and his friend were buying trick decks from the magic shop for nine dollars each. How much did they spend if Quincy bought two decks and his friend bought three decks?

- 5) While playing a trivia game, Paul answered two questions correct in the first half and eight questions correct in the second half. If each question was worth nine points, what was his final score?

- 6) While shopping for music online, Terra bought two country albums and seven pop albums. Each album came with a lyric sheet and had seven songs. How many songs did Terra buy total?

- 7) At Tom's Restaurant a group with four adults and three children came in to eat. If each meal cost three dollars, how much was the bill?

- 8) Quincy was putting his spare change into piles. He had six piles of quarters and three piles of dimes. If each pile had ten coins in it, how many coins did he have total?

- 9) Faye's favorite band was holding a concert where tickets were nine dollars each. Faye bought two tickets for herself and her friends and seven extra tickets in case anyone else wanted to go. How much did she spend?

- 10) There were eight friends playing a video game online when two more players joined the game. If each player had five lives, how many lives did they have total?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

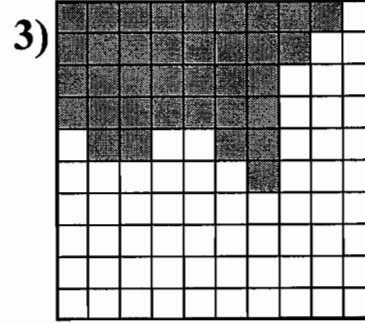
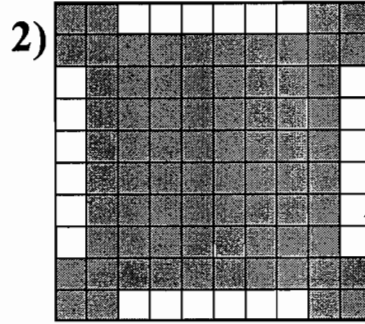
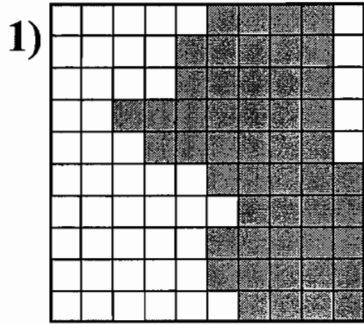
9. _____

10. _____



Determine the area of the following figures. Each shaded portion represents 1 sq unit.

Answers



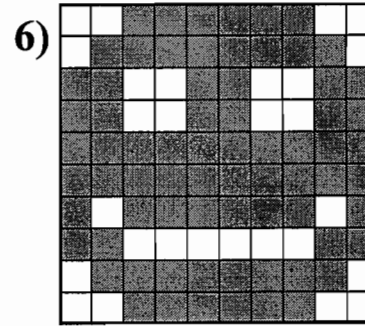
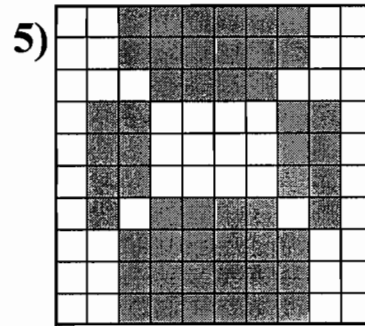
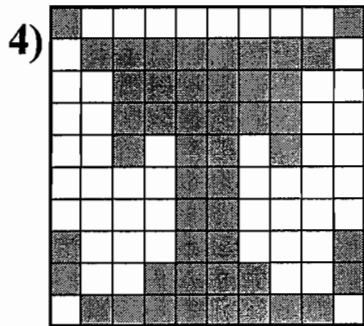
1. _____

2. _____

3. _____

4. _____

5. _____



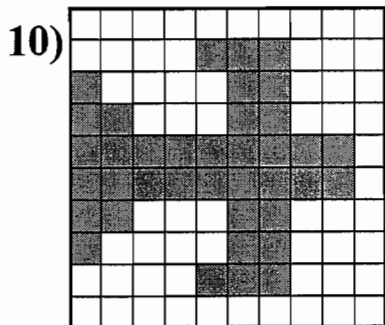
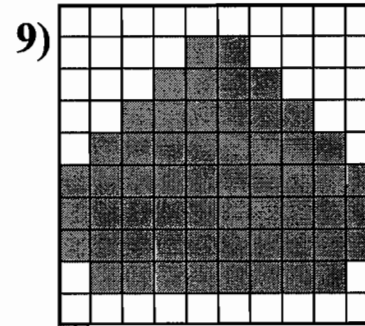
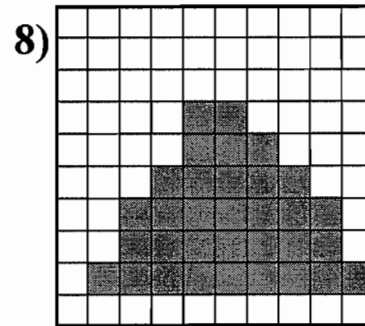
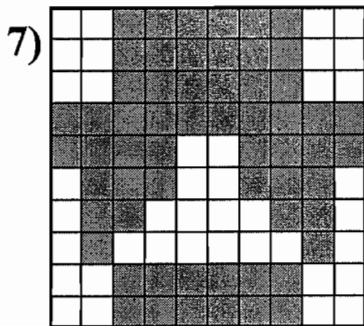
6. _____

7. _____

8. _____

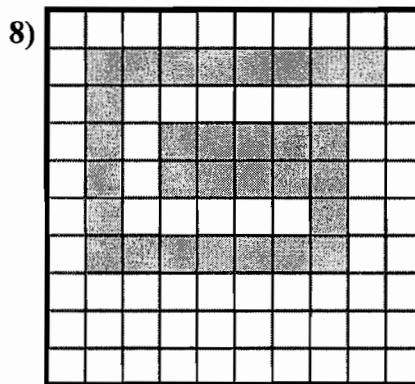
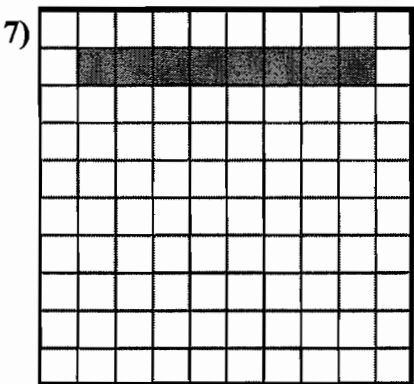
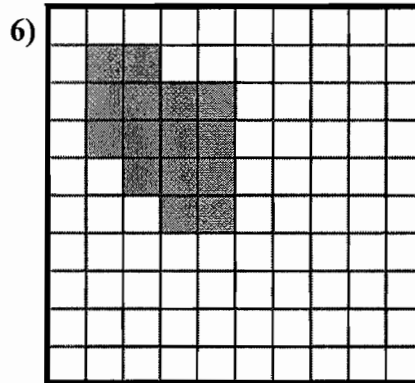
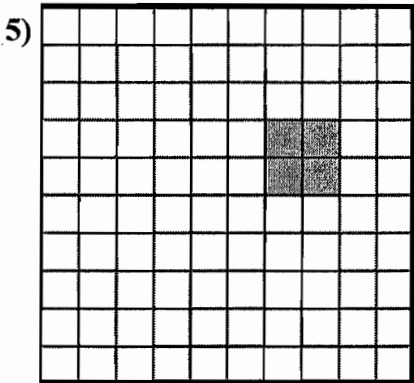
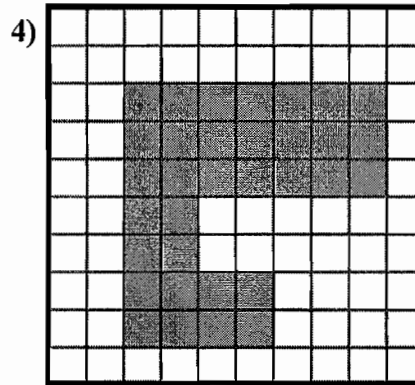
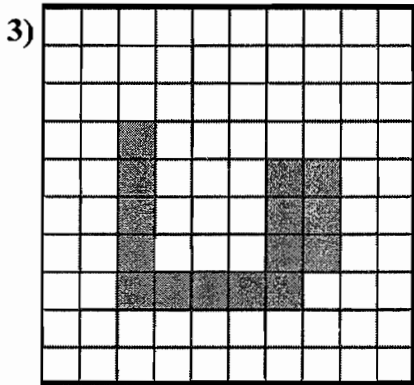
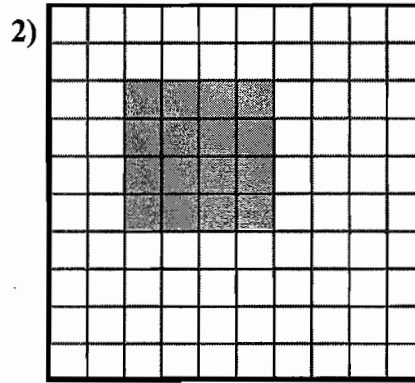
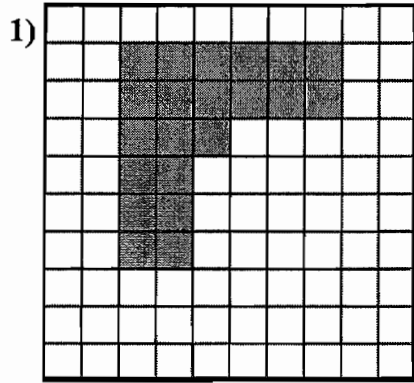
9. _____

10. _____





Determine the perimeter of the figures. Each shaded portion represents 1 sq unit.



Answers

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