

6th Grade Math Packet
Complete and return
The first day of school.

Name - _____

Write the place of the underlined digit.

5. 64,809,380 hundred thousand 6. 1,256,867 _____
7. 516,090,212 _____ 8. 134,075,206 _____
9. 710,835 _____ 10. 6,491,686 _____
11. 837,601,425 _____ 12. 223,106,458 _____
13. 42,100,000 _____ 14. 305,817,902 _____

Write in order from least to greatest.

15. 1407; 14,027; 140,270; 1704 _____
16. 62,809; 62,900; 62,890; 62,908 _____
17. 1,429,027; 1,692,065; 104,803; 2,863,246

18. 26,329,248; 27,329; 26,330,248; 26,330

19. 140,328; 104,328; 140,823; 140,238

20. 2,348,954; 948,657; 1,498,238; 84,969

Write in order from greatest to least.

21. 2024; 2025; 3025; 3024 _____
22. 77,077; 780,171; 178,071; 1,778,081

23. 69,001,521; 6,901,521; 69,520,101; 9,650,125

Round each to the nearest ten.

1. 85 90 2. 54 _____ 3. 685 _____ 4. 541 _____
5. 4384 _____ 6. 3992 _____ 7. 2978 _____ 8. 4122 _____
9. 26,364 _____ 10. 85,555 _____ 11. 68,756 _____ 12. 53,107 _____
13. 595,833 _____ 14. 728,259 _____ 15. 187,375 _____

Round each to the nearest hundred.

16. 114 100 17. 157 _____ 18. 6861 _____ 19. 2325 _____
20. 14,387 _____ 21. 10,153 _____ 22. 44,413 _____ 23. 39,109 _____
24. 523,684 _____ 25. 157,253 _____ 26. 828,935 _____

Round each to the nearest thousand.

27. 1024 1000 28. 2438 _____ 29. 1152 _____
30. 22,814 _____ 31. 67,538 _____ 32. 48,900 _____
33. 708,099 _____ 34. 756,502 _____ 35. 324,703 _____
36. 264,931 _____ 37. 857,299 _____ 38. 623,584 _____

Write the place to which each number was rounded.

39. 3044 to 3040 tens 40. 2917 to 3000 _____
41. 58,246 to 58,200 _____ 42. 617,489 to 617,500 _____
43. 23,569 to 23,570 _____ 44. 153,706 to 154,000 _____
45. 12,035 to 12,000 _____ 46. 827,012 to 827,000 _____

Round each to the given place. Circle the letter of the correct answer.

47. 45,361 to the nearest thousand a. 45,000 b. 45,300 c. 45,400
48. 9456 to the nearest hundred a. 9500 b. 9460 c. 9400
49. 26,185 to the nearest ten a. 26,180 b. 26,200 c. 26,190
50. 517,365 to the nearest hundred a. 517,000 b. 517,300 c. 517,400
51. 828,294 to the nearest thousand a. 829,000 b. 828,000 c. 828,300

List all the factors of each number.

1. 8

1, 2, 4, 8

2. 17

3. 49

4. 24

5. 33

6. 16

7. 36

8. 75

9. 63

10. 54

11. 12

12. 18

13. 26

14. 48

15. 55

16. 20

17. 96

18. 84

19. 100

20. 123

List the first ten nonzero multiples of each number.

21. 2 2, 4, 6, 8, 10, 12, 14, 16, 18, 20

22. 3 _____

23. 1 _____

24. 6 _____

25. 11 _____

26. 9 _____

27. 10 _____

28. 12 _____

29. 21 _____

30. 30 _____

31. 40 _____

32. 50 _____

Write each decimal.

17. three tenths 0.3 18. sixty-one hundredths _____
19. nine hundredths _____ 20. eight tenths _____
21. fifty-five and six tenths _____ 22. nineteen and twelve hundredths _____
23. eight and seven hundredths _____ 24. thirty-two and five tenths _____
25. eight hundred forty-seven and fifty-three hundredths _____
26. five hundred seventy-nine and two hundredths _____
27. nine hundred nine and one tenth _____

Write the word name for each decimal.

28. 0.6 six tenths 29. 0.12 _____
30. 0.2 _____ 31. 0.48 _____
32. 0.09 _____ 33. 1.3 _____
34. 56.7 _____
35. 83.31 _____
36. 128.04 _____
37. 407.3 _____
38. 200.26 _____
39. 705.05 _____
40. 630.17 _____

add.

1. 532 <u>+ 197</u>	2. 908 <u>+ 46</u>	3. 2384 <u>+ 4689</u>	4. 37,561 <u>+ 26,082</u>
5. 17,836 <u>+ 2,467</u>	6. 27,268 <u>+ 14,243</u>	7. 103,259 <u>+ 262,137</u>	8. 73,942 <u>+ 2,009</u>
9. 74,608 <u>+ 32,517</u>	10. 849,182 <u>+ 617,007</u>	11. 456,126 <u>+ 9,499</u>	12. 87,654 <u>+ 585</u>
13. 18.38 <u>+ 7.15</u>	14. 83.7 <u>+ 4.34</u>	15. 9.29 <u>+ 3.1</u>	16. 51.8 <u>+ 16.5</u>
17. \$4.64 <u>+ 3.95</u>	18. \$57.06 <u>+ 8.19</u>	19. \$75.98 <u>+ 14.89</u>	20. \$25.15 <u>+ 61.38</u>
21. 0.69 1.87 <u>+ 3.2</u>	22. 8.48 0.3 <u>+ 6.27</u>	23. 0.05 1.71 <u>+ 8.23</u>	24. \$10.99 1.46 <u>+ 5.19</u>

subtract.

1. 138 <u>- 79</u>	2. 856 <u>- 28</u>	3. 632 <u>- 179</u>	4. 1265 <u>- 484</u>	5. 800 <u>- 240</u>
6. 7587 <u>- 3612</u>	7. 453 <u>- 75</u>	8. 527 <u>- 248</u>	9. 4524 <u>- 395</u>	10. 2675 <u>- 320</u>
11. 9812 <u>- 7464</u>	12. 8751 <u>- 4392</u>	13. 32,345 <u>- 28,888</u>	14. 38,416 <u>- 6,518</u>	15. 956,231 <u>- 629,555</u>
16. 0.73 <u>- 0.16</u>	17. 0.9 <u>- 0.2</u>	18. 0.5 <u>- 0.06</u>	19. 0.84 <u>- 0.2</u>	20. 0.45 <u>- 0.41</u>
21. 15.79 <u>- 10.63</u>	22. 29.5 <u>- 4.7</u>	23. 68.1 <u>- 17.38</u>	24. 59.7 <u>- 8.04</u>	25. 81.17 <u>- 9.5</u>
26. \$90.57 <u>- 4.39</u>	27. \$5.16 <u>- 0.99</u>	28. \$28.24 <u>- 26.09</u>	29. \$17.49 <u>- 8.57</u>	30. \$77.66 <u>- 25.09</u>

find the product.

$$\begin{array}{r} 1. \quad 18 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 52 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 93 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 647 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 237 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 80 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 75 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad \$3.99 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad \$2.07 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad \$4.09 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 729 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 324 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 778 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 456 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 479 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad .276 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 532 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 124 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad 896 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad \$1.42 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 21. \quad 48 \\ \times 27 \\ \hline \end{array}$$

$$\begin{array}{r} 22. \quad 79 \\ \times 84 \\ \hline \end{array}$$

$$\begin{array}{r} 23. \quad \$95 \\ \times 77 \\ \hline \end{array}$$

$$\begin{array}{r} 24. \quad \$.47 \\ \times 39 \\ \hline \end{array}$$

$$\begin{array}{r} 25. \quad \$.75 \\ \times 63 \\ \hline \end{array}$$

$$\begin{array}{r} 26. \quad 24 \\ \times 56 \\ \hline \end{array}$$

$$\begin{array}{r} 27. \quad 65 \\ \times 18 \\ \hline \end{array}$$

$$\begin{array}{r} 28. \quad 34 \\ \times 48 \\ \hline \end{array}$$

$$\begin{array}{r} 29. \quad \$.56 \\ \times 92 \\ \hline \end{array}$$

$$\begin{array}{r} 30. \quad \$.16 \\ \times 88 \\ \hline \end{array}$$

$$\begin{array}{r} 31. \quad 352 \\ \times 87 \\ \hline \end{array}$$

$$\begin{array}{r} 32. \quad 914 \\ \times 62 \\ \hline \end{array}$$

$$\begin{array}{r} 33. \quad 725 \\ \times 46 \\ \hline \end{array}$$

$$\begin{array}{r} 34. \quad \$8.49 \\ \times 63 \\ \hline \end{array}$$

$$\begin{array}{r} 35. \quad \$5.58 \\ \times 39 \\ \hline \end{array}$$

find the quotient.

1. $6 \overline{)71}$

2. $4 \overline{)69}$

3. $7 \overline{)437}$

4. $8 \overline{)\$6.48}$

5. $45 \overline{)785}$

6. $33 \overline{)596}$

7. $24 \overline{)658}$

8. $52 \overline{)\$8.84}$

9. $18 \overline{)2453}$

10. $67 \overline{)2165}$

11. $98 \overline{)9988}$

12. $76 \overline{)\$93.48}$

13. $87 \overline{)3175}$

14. $29 \overline{)8693}$

15. $41 \overline{)3462}$

16. $16 \overline{)\$15.20}$

PROBLEM SOLVING

17. A school paid \$62.25 for 25 identical paintbrushes.
What did each paintbrush cost?

18. Each tour bus carries 35 passengers. If 1470 people
sign up for a local tour, how many full buses
will there be?

Add or subtract the fractions. Write each answer in simplest form.

$$1. \quad \begin{array}{r} \frac{2}{7} \\ + \frac{3}{7} \\ \hline \end{array}$$

$$2. \quad \begin{array}{r} \frac{4}{15} \\ + \frac{6}{15} \\ \hline \end{array}$$

$$3. \quad \begin{array}{r} \frac{2}{8} \\ + \frac{3}{8} \\ \hline \end{array}$$

$$4. \quad \begin{array}{r} \frac{3}{10} \\ + \frac{2}{10} \\ \hline \end{array}$$

$$5. \quad \begin{array}{r} \frac{1}{3} \\ + \frac{1}{3} \\ \hline \end{array}$$

$$6. \quad \begin{array}{r} \frac{6}{12} \\ + \frac{2}{12} \\ \hline \end{array}$$

$$7. \quad \begin{array}{r} \frac{5}{8} \\ + \frac{5}{8} \\ \hline \end{array}$$

$$8. \quad \begin{array}{r} \frac{3}{6} \\ + \frac{4}{6} \\ \hline \end{array}$$

$$9. \quad \begin{array}{r} \frac{1}{2} \\ + \frac{1}{2} \\ \hline \end{array}$$

$$10. \quad \begin{array}{r} \frac{2}{5} \\ + \frac{2}{5} \\ \hline \end{array}$$

$$11. \quad \begin{array}{r} \frac{4}{10} \\ + \frac{5}{10} \\ \hline \end{array}$$

$$12. \quad \begin{array}{r} \frac{1}{4} \\ + \frac{2}{4} \\ \hline \end{array}$$

$$13. \quad \begin{array}{r} \frac{5}{12} \\ - \frac{2}{12} \\ \hline \end{array}$$

$$14. \quad \begin{array}{r} \frac{8}{10} \\ - \frac{1}{10} \\ \hline \end{array}$$

$$15. \quad \begin{array}{r} \frac{4}{5} \\ - \frac{2}{5} \\ \hline \end{array}$$

$$16. \quad \begin{array}{r} \frac{5}{6} \\ - \frac{1}{6} \\ \hline \end{array}$$

$$17. \quad \begin{array}{r} \frac{6}{8} \\ - \frac{4}{8} \\ \hline \end{array}$$

$$18. \quad \begin{array}{r} \frac{2}{3} \\ - \frac{1}{3} \\ \hline \end{array}$$

$$19. \quad \begin{array}{r} \frac{3}{4} \\ - \frac{1}{4} \\ \hline \end{array}$$

$$20. \quad \begin{array}{r} \frac{6}{7} \\ - \frac{5}{7} \\ \hline \end{array}$$

$$21. \quad \begin{array}{r} \frac{7}{9} \\ - \frac{4}{9} \\ \hline \end{array}$$

$$22. \quad \begin{array}{r} \frac{9}{10} \\ - \frac{3}{10} \\ \hline \end{array}$$

$$23. \quad \begin{array}{r} \frac{2}{3} \\ - \frac{2}{3} \\ \hline \end{array}$$

$$24. \quad \begin{array}{r} \frac{11}{15} \\ - \frac{3}{15} \\ \hline \end{array}$$

$$25. \quad \frac{4}{8} + \frac{6}{8} = \underline{\hspace{2cm}}$$

$$26. \quad \frac{3}{6} + \frac{5}{6} = \underline{\hspace{2cm}}$$

$$27. \quad \frac{2}{3} + \frac{1}{3} = \underline{\hspace{2cm}}$$

$$28. \quad \frac{8}{15} + \frac{10}{15} = \underline{\hspace{2cm}}$$

$$29. \quad \frac{11}{20} + \frac{13}{20} = \underline{\hspace{2cm}}$$

$$30. \quad \frac{7}{10} + \frac{9}{10} = \underline{\hspace{2cm}}$$

$$31. \quad \frac{4}{5} + \frac{1}{5} = \underline{\hspace{2cm}}$$

$$32. \quad \frac{9}{16} + \frac{12}{16} = \underline{\hspace{2cm}}$$

$$33. \quad \frac{5}{25} + \frac{10}{25} = \underline{\hspace{2cm}}$$

$$34. \quad \frac{14}{15} - \frac{9}{15} = \underline{\hspace{2cm}}$$

$$35. \quad \frac{9}{10} - \frac{7}{10} = \underline{\hspace{2cm}}$$

$$36. \quad \frac{2}{4} - \frac{1}{4} = \underline{\hspace{2cm}}$$

$$37. \quad \frac{8}{10} - \frac{4}{10} = \underline{\hspace{2cm}}$$

$$38. \quad \frac{5}{9} - \frac{3}{9} = \underline{\hspace{2cm}}$$


$$39. \quad \frac{10}{12} - \frac{8}{12} = \underline{\hspace{2cm}}$$

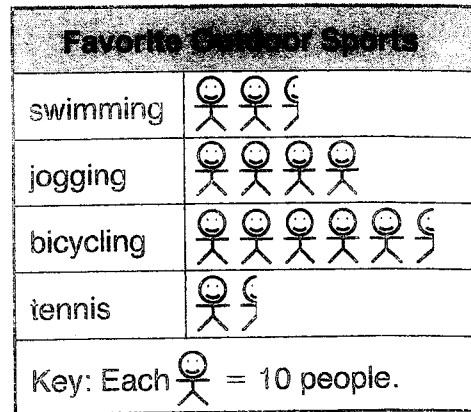
$$40. \quad \frac{3}{5} - \frac{2}{5} = \underline{\hspace{2cm}}$$

$$41. \quad \frac{5}{6} - \frac{2}{6} = \underline{\hspace{2cm}}$$

$$42. \quad \frac{7}{8} - \frac{7}{8} = \underline{\hspace{2cm}}$$

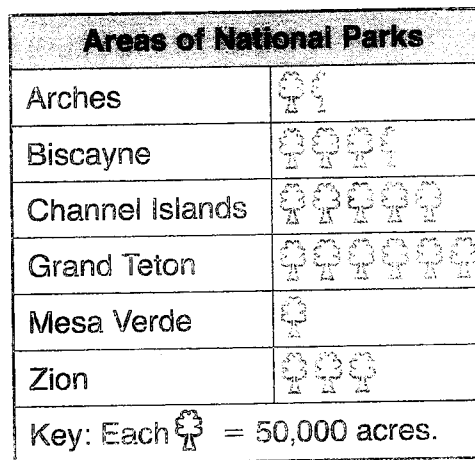
Solve. Use the pictograph at the right.

1. What does each  represent? _____
2. How many symbols were used for swimming? for jogging? _____
3. How many more people chose jogging than chose swimming? _____
4. Which sport is the favorite of between 20 and 30 people? _____
5. How many people in all does the pictograph represent? _____
6. Describe what this pictograph would look like if each symbol stood for 1 person or for 5 people. _____




Use the table to complete the pictograph. Then answer questions 7-11 about the graph.

National Park	Area (acres)
Arches	73,379
Biscayne	173,039
Channel Islands	249,354
Grand Teton	310,521
Mesa Verde	52,085
Zion	146,598



7. What is the title of the pictograph?

8. What does  represent? _____
9. Which park is the largest? _____
10. About how many acres less is Zion than Biscayne? _____
11. About how many acres more is Biscayne than Arches? _____

Make a pictograph for the set of data on a separate sheet of paper.

12.

Mountain	Height (feet)
Ararat	16,804
Everest	29,028
Kanjiroba	22,580
Lhotse	27,560
Makalu 11	25,120
Minya Konka	24,900