5th Grade Summer Math Packet

Name:_____

Rising
Fifth Graders

Dear Super Scholar,

Congratulations on finishing 4th grade! We are very proud of all that you have learned this year. You have accomplished so much, and your achievements should be celebrated! During the summer break, it is important to take time to have fun and reconnect with family. Take some time to rest, relax, and take care of yourselves. Keep yourselves healthy by getting enough sleep on a regular schedule, drinking water to stay hydrated, and eating nutritious (and delicious!) foods. You should also be engaging in activities that bring you joy whether that is biking, cooking, swimming, playing with your dog, or reading a book.

That being said, in just a few months, you will be entering the fifth grade and you will be asked to recall many of the skills you learned during your fourth-grade year. To keep up with all that you have learned, you need to continue exercising your mind. This summer packet will help you work out your brain all summer. This packet is meant to keep your mind sharp, not take away from your summer vacation. Please try to spread your practice out throughout the summer. It's okay to have a few weeks off, but if you wait all summer to do the work, you won't be getting that regular practice which is so beneficial. If you do some work each day, it's only a little bit over the course of the summer. Remember to show work if needed. Practice your multiplication tables.

Return the packet and work on the first day of school. It will be graded.

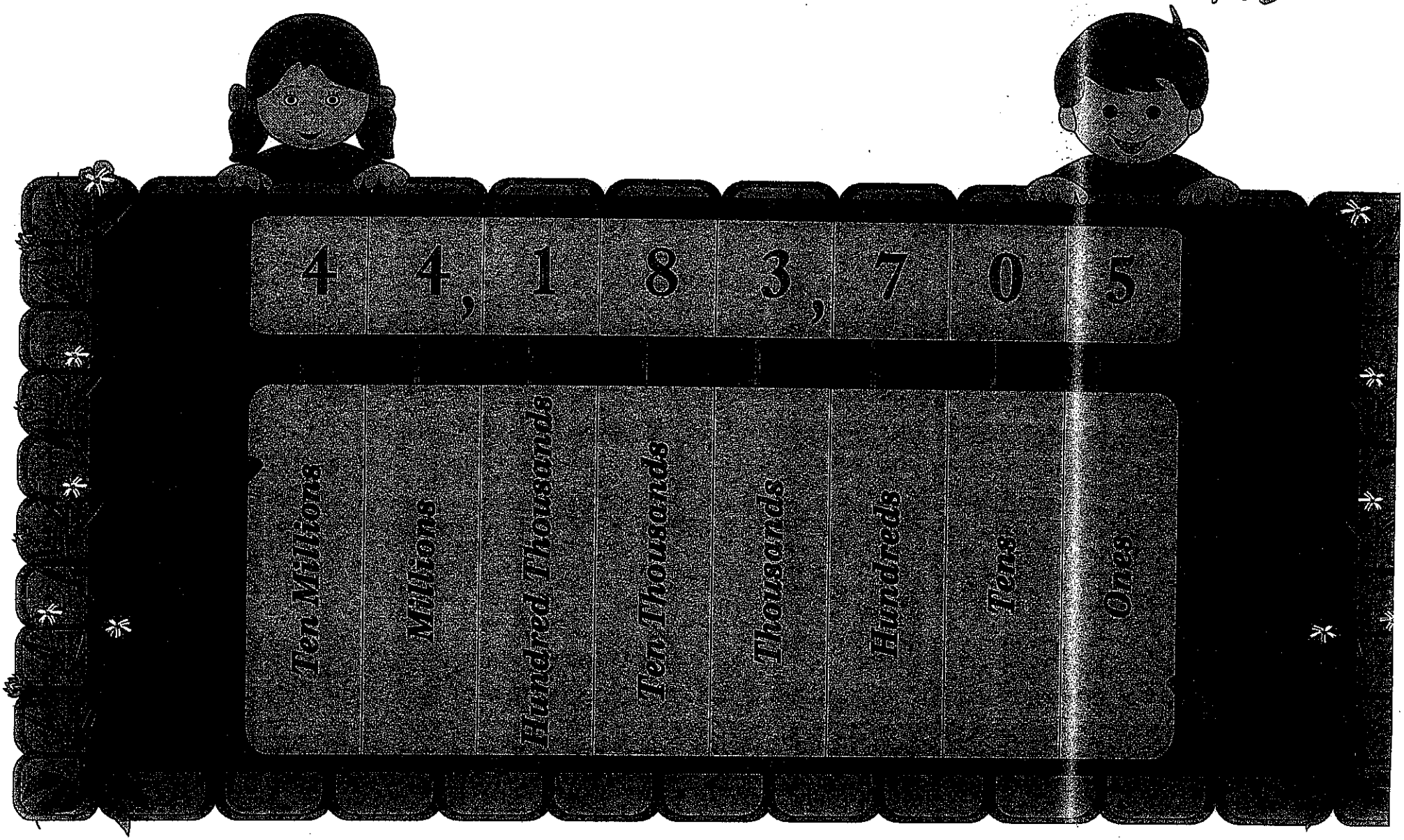
Have a great summer and happy learning!

Sincerely,

Mrs. Hetrick

lame : _____ Date : _____

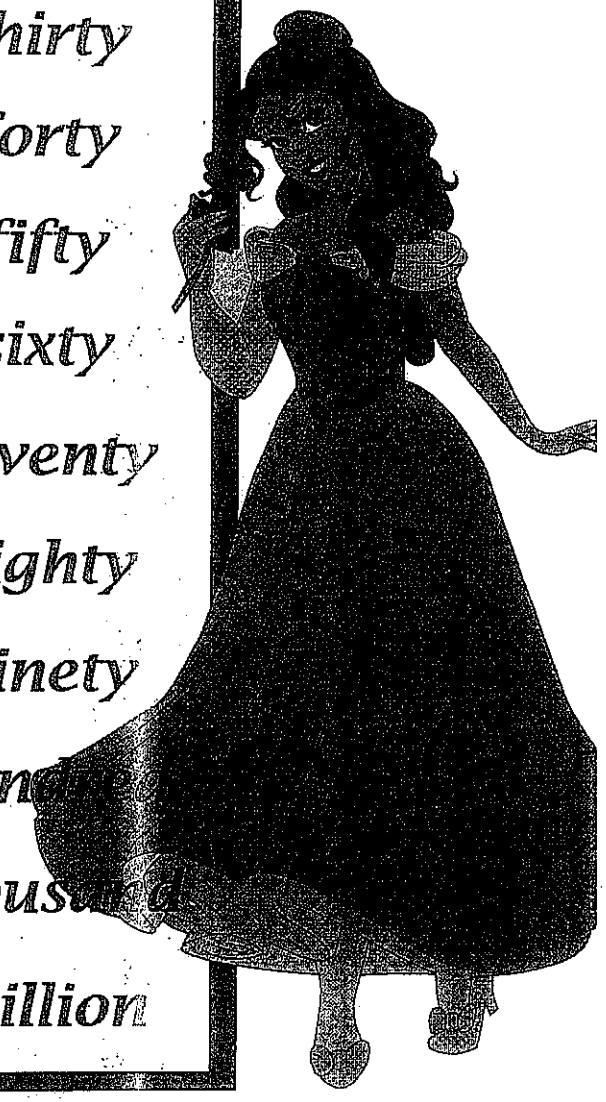
PLACE VALUE POSTER - TEN MILLIONS



Name : _____ Date : _____

Number Words

1	one	11	eleven	30	thirty
2	two	12	twelve	40	forty
3	three	13	thirteen	50	fifty
4	four	14	fourteen	60	sixty
5	five	15	fifteen	70	seventy
6	six	16	sixteen	80	eighty
7	seven	17	seventeen	90	ninety
8	eight	18	eighteen	100	hundred
9	nine	19	nineteen	1,000	thousand
10	ten	20	twenty	1,000,000	million



Name : _____ Score : _____

Adding Commas

Level 2: S1

Add commas in appropriate places.

1) 8 1 5 2 4 0 7 6

2) 4 5 9 3 6 2 1 0 7

3) 9 3 1 5 0 4 7 2 5 8

4) 2 3 9 8 4 5 7 6 0 1 1

5) 4 5 8 2 1 9 8 3 6 7 0 4

6) 6 8 3 4 1

7) 7 6 7 1 2 5

8) 3 0 9 1 6 5 8 7

9) 1 9 3 6 1 0 2 4 5 7 8

10) 7 0 4 9 8 5 6 3 2 1 9

11) 2 3 8 5 0 9 6 4

12) 4 1 0 2 6 5 3 9 7

13) 5 0 3 4

14) 8 6 4 5 9 1 2 0 3 4 8

15) 6 9 3 5 8 2 0 0 7 4 1 4

16) 5 9 2 0 8 3 7

17) 1 0 8 3 5 7 2 9 6

18) 9 1 6 3 5 4 2 8 5 9

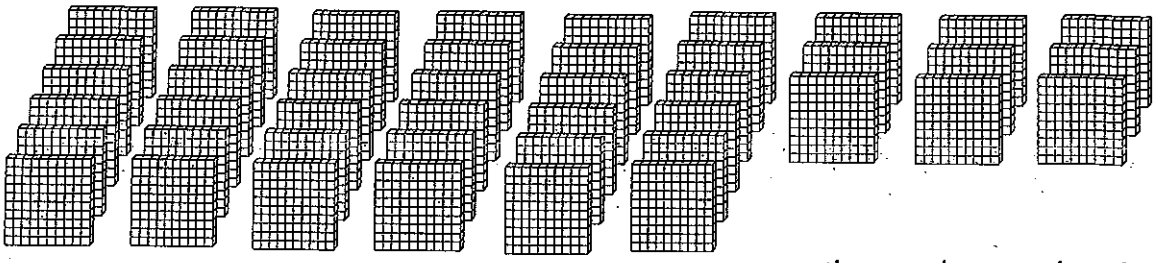
Name : _____ Score : _____

Thousands & Hundreds

Sheet 1

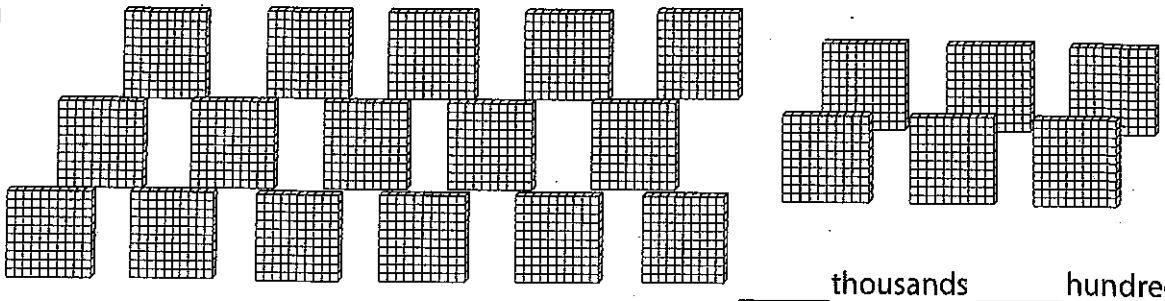
How many thousands can you form? Also find the hundreds that left over.

1)



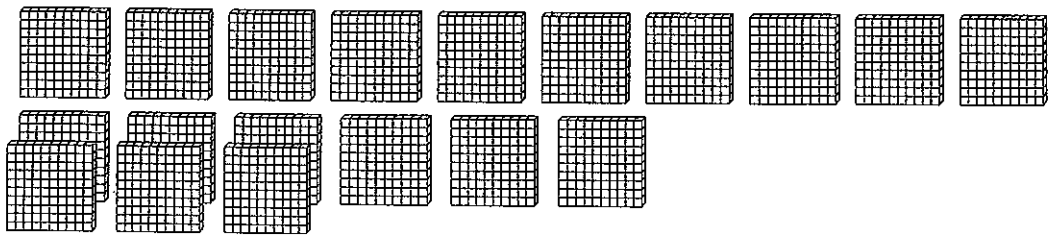
_____thousands _____hundreds

2)



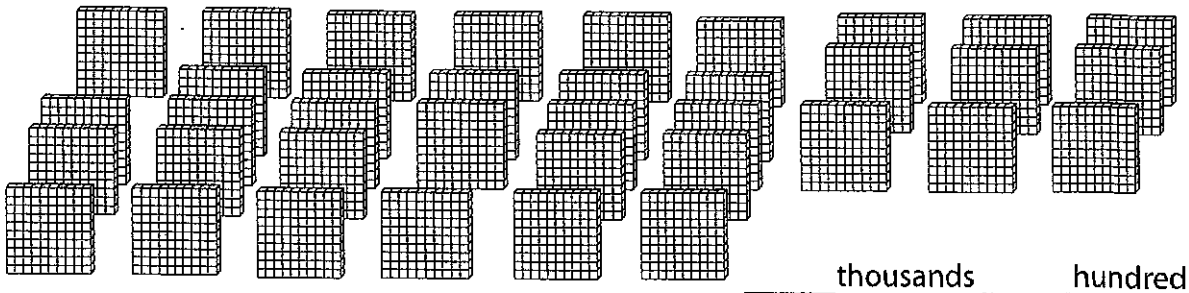
_____thousands _____hundreds

3)



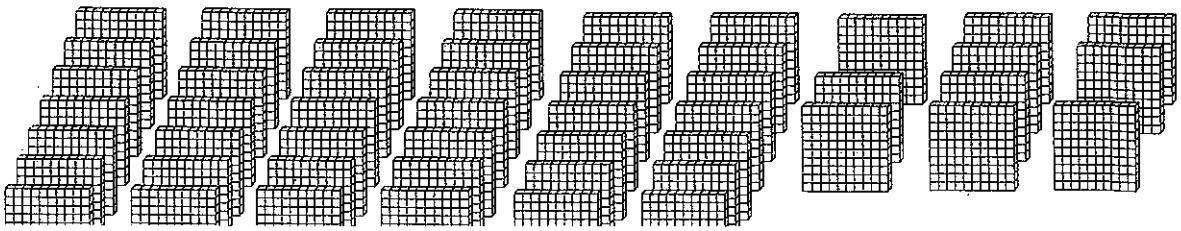
_____thousands _____hundreds

4)



_____thousands _____hundreds

5)



Comparing numbers up to 1 million

Grade 4 Place Value Worksheet

Example: 4,836 > 2,835

Compare the numbers. Add: > or < or =

1. 415,978 __ 144,173
2. 923,476 __ 22,786
3. 123,921 __ 514,714
4. 708,395 __ 12,814
5. 743,677 __ 932,721
6. 55,666 __ 675,365
7. 868,527 __ 236,029
8. 529,133 __ 778,352
9. 381,484 __ 485,227
10. 159,435 __ 992,949
11. 340,844 __ 947,317
12. 77,924 __ 476,104
13. 582,500 __ 168,439
14. 700,179 __ 839,243
15. 962,665 __ 251,458
16. 280,053 __ 738,889
17. 842,782 __ 220,852
18. 886,579 __ 13,034

Ordering numbers up to 1 million

Grade 4 Place Value Worksheet

Write the numbers from smallest to largest.

1. 377,276 _____
   202,758 _____
   552,037 _____
   712,334 _____

2. 720,334 _____
   774,713 _____
   391,045 _____
   113,880 _____

3. 658,869 _____
   153,364 _____
   233,493 _____
   630,181 _____

4. 302,368 _____
   346,509 _____
   430,864 _____
   184,680 _____

5. 50,583 _____
   531,602 _____
   712,841 _____
   255,923 _____

6. 776,335 _____
   292,042 _____
   235,498 _____
   14,777 _____

Name : _____ Score : _____

PLACE VALUE

Mixed: S1

Numbers	Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
751,679,240									
2,491,304									
89,356,172									
1,687,426									
934,118,685									
58,920,014									
610,832,813									
85,241,697									
3,569,485									
4,105,623									

Comparing numbers up to 1 million

Grade 4 Place Value Worksheet

Example: 4,836 > 2,835

Compare the numbers. Add: > or < or =

1. 415,978 __ 144,173
2. 923,476 __ 22,786
3. 123,921 __ 514,714
4. 708,395 __ 12,814
5. 743,677 __ 932,721
6. 55,666 __ 675,365
7. 868,527 __ 236,029
8. 529,133 __ 778,352
9. 381,484 __ 485,227
10. 159,435 __ 992,949
11. 340,844 __ 947,317
12. 77,924 __ 476,104
13. 582,500 __ 168,439
14. 700,179 __ 839,243
15. 962,665 __ 251,458
16. 280,053 __ 738,889
17. 842,782 __ 220,852
18. 886,579 __ 13,034

Name : _____ Score : _____

PLACE VALUE

Mixed: S2

Numbers	Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
5,624,397									
92,210,960									
656,901,592									
20,736,105									
8,692,083									
831,336,740									
15,248,972									
359,421,230									
7,049,317									
95,427,469									

Name : _____ Score : _____

Standard Form - Millions

Sheet 1

Write in standard form.

1) 500,000,000 + 30,000,000 + 600,000 + 20,000 + 4,000 + 100 + 30 + 7

530,624,137

2) 2,000,000 + 100,000 + 8,000 + 700 + 90 + 3

_____

3) 80,000,000 + 4,000,000 + 200,000 + 10,000 + 3,000 + 500 + 60 + 9

_____

4) 900,000,000 + 20,000,000 + 90,000 + 6,000 + 100 + 50 + 2

_____

5) 7,000,000 + 600,000 + 40,000 + 9,000 + 800 + 10 + 1

_____

6) 30,000,000 + 2,000,000 + 500,000 + 10,000 + 4,000 + 600

_____

7) 600,000,000 + 80,000,000 + 5,000,000 + 200,000 + 30,000 + 9,000 + 400 + 3

_____

8) 4,000,000 + 300,000 + 70,000 + 5,000 + 10 + 6

_____

9) 10,000,000 + 7,000,000 + 30,000 + 5,000 + 900 + 20 + 4

_____

10) 800,000,000 + 40,000,000 + 3,000,000 + 500,000 + 80,000 + 600 + 80 + 2

Name : _____ Score : _____

Standard Form - Millions

Sheet 2

Write in standard form.

1) 30,000,000 + 8,000,000 + 400,000 + 90,000 + 200 + 50 + 2

38,490,252

2) 9,000,000 + 800,000 + 20,000 + 1,000 + 400 + 30 + 5

_____

3) 500,000,000 + 60,000,000 + 3,000,000 + 100,000 + 7,000 + 900 + 10 + 8

_____

4) 70,000,000 + 3,000,000 + 200,000 + 50,000 + 600 + 40 + 9

_____

5) 1,000,000 + 900,000 + 80,000 + 7,000 + 500 + 30

_____

6) 400,000,000 + 20,000,000 + 8,000,000 + 600,000 + 20,000 + 4,000 + 100 + 50 + 1

_____

7) 90,000,000 + 2,000,000 + 700,000 + 6,000 + 300 + 10 + 6

_____

8) 8,000,000 + 100,000 + 20,000 + 3,000 + 500 + 60 + 7

_____

9) 700,000,000 + 80,000,000 + 7,000,000 + 400,000 + 50,000 + 3,000 + 200 + 9

_____

10) 20,000,000 + 9,000,000 + 900,000 + 60,000 + 4,000 + 10

Name : _____ Score : _____

Multiplication Drill

Sheet 1

50 problems

3 × 3 =	9 × 7 =	10 × 6 =	1 × 8 =	7 × 4 =
12 × 4 =	6 × 6 =	9 × 8 =	4 × 10 =	11 × 7 =
2 × 11 =	3 × 6 =	12 × 3 =	6 × 7 =	9 × 5 =
8 × 6 =	7 × 12 =	3 × 8 =	1 × 6 =	10 × 3 =
11 × 4 =	8 × 5 =	9 × 6 =	5 × 12 =	6 × 4 =
3 × 5 =	6 × 10 =	4 × 6 =	1 × 3 =	12 × 1 =
11 × 3 =	10 × 1 =	9 × 2 =	8 × 7 =	7 × 5 =
6 × 2 =	7 × 7 =	4 × 8 =	6 × 12 =	2 × 7 =
1 × 7 =	10 × 4 =	5 × 6 =	11 × 6 =	8 × 8 =
12 × 2 =	5 × 10 =	3 × 4 =	5 × 1 =	4 × 7 =

Name : _____ Score : _____

Multiplication Drill

Sheet 2

50 problems

5 × 11 =	7 × 7 =	9 × 3 =	11 × 4 =	4 × 9 =
8 × 4 =	3 × 4 =	5 × 12 =	1 × 9 =	12 × 7 =
7 × 10 =	8 × 9 =	1 × 5 =	10 × 8 =	4 × 12 =
9 × 11 =	9 × 4 =	11 × 9 =	7 × 6 =	3 × 9 =
3 × 3 =	2 × 1 =	4 × 5 =	1 × 4 =	10 × 5 =
12 × 6 =	5 × 10 =	7 × 8 =	9 × 12 =	11 × 5 =
5 × 12 =	3 × 7 =	4 × 3 =	2 × 5 =	5 × 8 =
11 × 10 =	1 × 2 =	10 × 10 =	7 × 11 =	12 × 5 =
3 × 11 =	6 × 3 =	8 × 10 =	7 × 3 =	8 × 12 =

Name : _____ Score : _____

Multiplication Drill

Sheet 3

50 problems

6 × 6 =	10 × 7 =	9 × 3 =	7 × 4 =	2 × 12 =
1 × 11 =	3 × 7 =	11 × 6 =	8 × 7 =	4 × 8 =
12 × 10 =	5 × 9 =	1 × 7 =	10 × 2 =	8 × 11 =
9 × 1 =	11 × 8 =	6 × 2 =	4 × 4 =	5 × 3 =
2 × 10 =	3 × 6 =	10 × 1 =	5 × 6 =	9 × 10 =
8 × 12 =	7 × 6 =	6 × 8 =	11 × 3 =	12 × 1 =
6 × 7 =	9 × 5 =	3 × 8 =	1 × 10 =	3 × 2 =
10 × 5 =	11 × 7 =	12 × 7 =	6 × 9 =	7 × 5 =
8 × 6 =	9 × 12 =	5 × 11 =	2 × 6 =	9 × 6 =

Name : _____ Score : _____

Multiplication Drill

Sheet 4

50 problems

12 × 6 =	9 × 4 =	7 × 7 =	1 × 5 =	11 × 9 =
5 × 4 =	8 × 2 =	2 × 9 =	10 × 11 =	6 × 4 =
4 × 2 =	3 × 10 =	12 × 5 =	9 × 7 =	7 × 8 =
1 × 3 =	11 × 5 =	5 × 10 =	8 × 3 =	9 × 2 =
5 × 12 =	6 × 1 =	2 × 7 =	3 × 9 =	10 × 4 =
11 × 1 =	5 × 5 =	12 × 4 =	9 × 8 =	7 × 11 =
10 × 10 =	1 × 1 =	3 × 5 =	6 × 3 =	11 × 2 =
5 × 7 =	12 × 2 =	8 × 5 =	7 × 2 =	4 × 1 =
10 × 9 =	3 × 4 =	2 × 4 =	4 × 9 =	6 × 5 =
12 × 3 =	11 × 6 =	7 × 10 =	9 × 11 =	

Name : _____ Score : _____

Multiplication Drill

15 Problems: S1

1) 56 × 24	2) 78 × 42	3) 93 × 50
4) 12 × 10	5) 34 × 59	6) 67 × 74
7) 25 × 39	8) 45 × 92	9) 83 × 64
10) 96 × 85	11) 37 × 23	12) 58 × 13
13) 19 × 35	14) 48 × 62	15) 64 × 98

Multiply in columns - 2 digit by 3 digit

Grade 4 Multiplication Worksheet

Find the product.

1. 868×62

2. 995×55

3. 329×17

4. 749×11

5. 188×31

6. 671×51

7. 317×86

8. 807×54

9. 376×70

Long Division with remainders within 1-100

Grade 4 Division Worksheet

Find the quotient with remainder.

1. $3\overline{)17}$

2. $3\overline{)87}$

3. $7\overline{)15}$

4. $7\overline{)86}$

5. $5\overline{)51}$

6. $3\overline{)30}$

7. $9\overline{)14}$

8. $3\overline{)100}$

9. $5\overline{)82}$

10. $7\overline{)22}$

11. $8\overline{)83}$

12. $8\overline{)49}$

Long Division with remainders within 1-1,000

Grade 4 Division Worksheet

Find the quotient with remainder.

1. $9\overline{)207}$

2. $8\overline{)575}$

3. $4\overline{)313}$

4. $4\overline{)647}$

5. $6\overline{)791}$

6. $6\overline{)237}$

7. $7\overline{)780}$

8. $5\overline{)588}$

9. $5\overline{)388}$

Name : _____

25 Problems

Division Drills

With remainder : S1

1) 54 ÷ 8 =

2) 79 ÷ 3 =

3) 87 ÷ 2 =

4) 67 ÷ 4 =

5) 33 ÷ 7 =

6) 64 ÷ 5 =

7) 35 ÷ 6 =

8) 68 ÷ 8 =

9) 25 ÷ 9 =

10) 11 ÷ 2 =

11) 14 ÷ 4 =

12) 91 ÷ 3 =

13) 45 ÷ 7 =

14) 32 ÷ 5 =

15) 76 ÷ 8 =

16) 28 ÷ 3 =

17) 95 ÷ 9 =

18) 29 ÷ 6 =

19) 54 ÷ 5 =

20) 23 ÷ 2 =

21) 13 ÷ 7 =

22) 89 ÷ 8 =

23) 40 ÷ 6 =

24) 51 ÷ 4 =

25) 71 ÷ 9 =

PEMDAS
Parentheses first
Multiplication second

Add/Subtract/Multiply w/ parenthesis - 6 numbers

Grade 3 Order of Operations Worksheet

Add + Subtract from left to right last

Solve the following.

1) $3 + (8 \times 2 \times 10) - (12 - 8) =$ _____

2) $(14 + 5) - (15 - 6 - 7) \times 3 =$ _____

3) $5 \times 9 - (5 + 27 - 19) \times 2 =$ _____

4) $7 + 17 - 2 \times 9 - (18 - 15) =$ _____

5) $(20 - 17 + 2) \times (16 - 4 - 9) =$ _____

6) $36 + 18 - 8 \times 4 - 14 + 16 =$ _____

7) $11 \times 20 + 10 - (22 \times 5 - 18) =$ _____

8) $(16 + 14) \times (17 - 15) - 20 + 2 =$ _____

9) $17 + 10 + 34 - 2 \times 4 \times 4 =$ _____

10) $(14 + 32 - 19) - 2 \times (5 + 6) =$ _____

Shopping word problems

Grade 4 Word Problems Worksheet

Using the below item prices, solve the equations.

pencil = $2.78	folder = $1.15
box of crayons = $4.44	pad of paper = $3.18
notebook = $3.67	calculator = $12.76
backpack = $32.66	marker = $3.42

1. _____ What is the total cost of a calculator and two pads of paper?

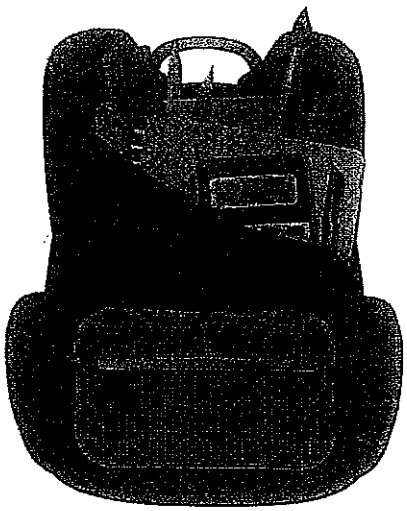
2. _____ What is the total cost of two pencils?

3. _____ If Donald buys a marker, two folders, and two pads of paper, and if he had $15.00, how much money will he have left?

4. _____ Billy wants to buy a calculator and a backpack. How much will it cost him?

5. _____ Janet purchases two pencils. What will her change be if she pays $10.00?

6. _____ Michele wants to buy a marker. How much will she need?



K5 Learning

Mixed word problems

Grade 4 Word Problems Worksheet

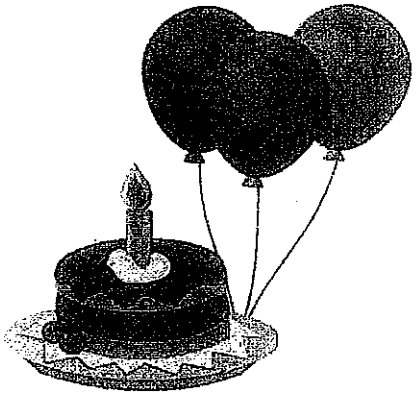
Mrs. Carson is preparing a birthday party for her son, Matthew. Matthew and his two brothers also help with the preparations.

1. Matthew invited 11 children from school and 6 children from the neighbourhood. Including Matthew and his two brothers, how many children will be at the party?

2. Matthew and his two brothers helped to decorate the house for the party. Each of them blows 12 balloons. But 5 balloons pop. How many balloons do they have for decoration?

3. Each paper cup can hold 6 oz of juice. If Mrs. Carson wants to have a cup of juice for each child, how many gallons of juice does she need to buy?

   Hint: 16 ounces = 2 cups = 1 pint
   2 pints = 1 quart
   4 quarts = 1 gallon



4. Mrs. Carson plans to have $\frac{1}{8}$ of a pie for each child at the party. How many pies does she needs to prepare?

5. Each pie takes 35 minutes to bake but Mrs. Carson's oven is so small she can only fit one pie at a time. The party starts at 3:00 p.m. When is the latest time for Mrs. Carson to start baking?

K5 Learning

Mixed word problems

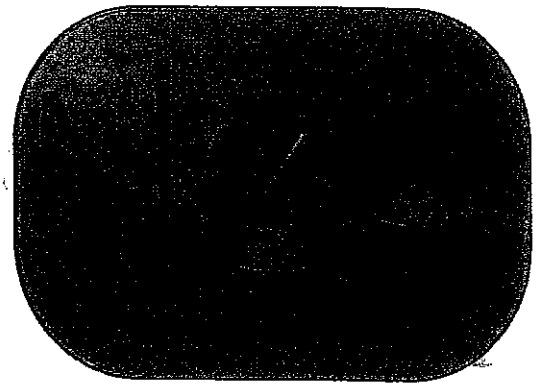
Grade 4 Word Problems Worksheet

An aquarium opens at 10 a.m. and closes at 8 p.m.

1. How many hours are the aquarium open in a day?

2. On Saturday, 351 people are admitted to the aquarium. Over the weekend, there were total of 642 people admitted to the aquarium. Were there more people going to the aquarium on Saturday or on Sunday?

3. The admission price for an adult is $5.50. The admission price for a child is $3. How much is the total cost for a mother to bring her two children to the aquarium?



4. There are total of 32 staff members working in the aquarium. $\frac{5}{8}$ of the staff are security guards. How many security guards are there in the aquarium?

5. The security guards are equally divided into four teams to rotate with the shifts. How many guards are there in each team?

Units of length: inches, feet, yards and miles

Grade 4 Measurement Worksheet

Select the appropriate measurement units.

1. Length of a bathtub
   a. inches c. yards
   b. feet d. miles

2. Distance between two cities
   a. inches c. yards
   b. feet d. miles

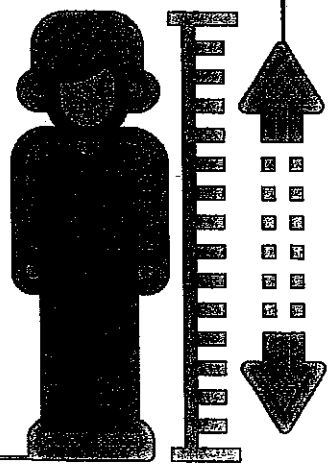
3. Height of a man
   a. inches c. yards
   b. feet d. miles

4. Length of running track
   a. inches c. yards
   b. feet d. miles

5. Length of ruler
   a. inches c. yards
   b. feet d. miles

6. Length of measuring tape
   a. inches c. yards
   b. feet d. miles

7. Waist of a person
   a. inches c. yards
   b. feet d. miles



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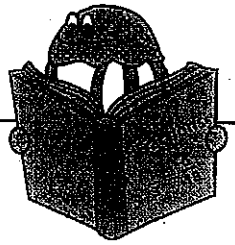


Missing Numbers

MS1

Fill in the missing numbers.

1) $\frac{9}{\square} = \frac{63}{14}$

2) $\frac{27}{36} = \frac{\square}{4}$

3) $\frac{16}{11} = \frac{\square}{22}$

4) $\frac{7}{\square} = \frac{42}{30}$

5) $\frac{20}{\square} = \frac{5}{3}$

6) $\frac{9}{4} = \frac{\square}{32}$

7) $\frac{2}{8} = \frac{20}{\square}$

8) $\frac{\square}{11} = \frac{28}{22}$

9) $\frac{63}{\square} = \frac{7}{6}$

10) $\frac{10}{9} = \frac{70}{\square}$

11) $\frac{5}{9} = \frac{\square}{27}$

12) $\frac{18}{42} = \frac{\square}{7}$

13) $\frac{12}{\square} = \frac{60}{15}$

14) $\frac{\square}{8} = \frac{16}{64}$

15) $\frac{4}{5} = \frac{36}{\square}$

16) $\frac{63}{77} = \frac{\square}{11}$

Convert between miles, yards and feet

Grade 5 Measurement Worksheet

Note: 1 mile (mi) = 1,760 yards (yd) = 5,280 feet (ft)

Example: 2 miles = 10,560 feet

Convert the given measures to new units.

1. 23 mi = _____ yd
2. 7 mi = _____ yd
3. 62 mi = _____ yd
4. 3 mi = _____ yd
5. 54 yd = _____ ft
6. 6 mi = _____ yd
7. 73 yd = _____ ft
8. 2 mi = _____ ft
9. 1,760 yd = _____ mi
10. 5,280 ft = _____ mi
11. 10 yd = _____ ft
12. 21 mi = _____ ft
13. 126 ft = _____ yd
14. 72 mi = _____ ft
15. 41 mi = _____ yd
16. 78 yd = _____ ft
17. 27 ft = _____ yd
18. 94 mi = _____ yd
19. 87 mi = _____ yd
20. 39 mi = _____ yd

Metric units of length: kilometers, meters, centimeters and millimeters

Grade 5 Measurement Worksheet

Note: 1 kilometer (km) = 1,000 meter (m)
1 m = 100 centimeters (cm) = 1,000 millimeters (mm)

Convert to the units shown:

1. 73 m = _____ mm
2. 45 m = _____ mm
3. 20 m = _____ cm
4. 49 m = _____ cm
5. 67 m = _____ cm
6. 89 m = _____ cm
7. 13 m = _____ mm
8. 17 cm = _____ mm
9. 22 m = _____ cm
10. 31 m = _____ cm

Convert to the units shown:

11. 3,000 cm = _____ m
12. 1,000 mm = _____ cm
13. 5,000 mm = _____ cm
14. 5,000 mm = _____ m
15. 2,000 cm = _____ m
16. 1,000 cm = _____ m
17. 8,000 cm = _____ m
18. 4,000 mm = _____ m
19. 4,000 mm = _____ cm
20. 6,000 mm = _____ m

Convert between cups, pints, quarts & gallons

Grade 5 Measurement Worksheet

Note: 1 gallon (gal) = 4 quarts (qt) = 8 pints (pt) = 16 cups (c)

Example: 11 pt = 5 qt 1 pt

Convert the given measures to new units.

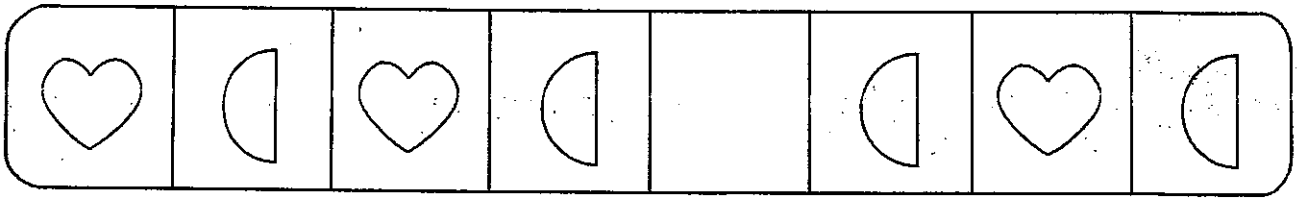
1. 32 c = _____ gal
2. 35 gal = _____ c
3. 17 gal = _____ qt
4. 21 c = _____ gal
5. 28 gal = _____ qt
6. 28 qt = _____ gal
7. 14 qt = _____ pt
8. 28 c = _____ qt
9. 32 qt = _____ pt
10. 35 qt = _____ gal
11. 10 gal = _____ pt
12. 24 gal = _____ c
13. 38 qt = _____ c
14. 30 qt = _____ gal
15. 19 gal = _____ pt
16. 28 gal = _____ c
17. 35 pt = _____ qt
18. 16 qt = _____ gal

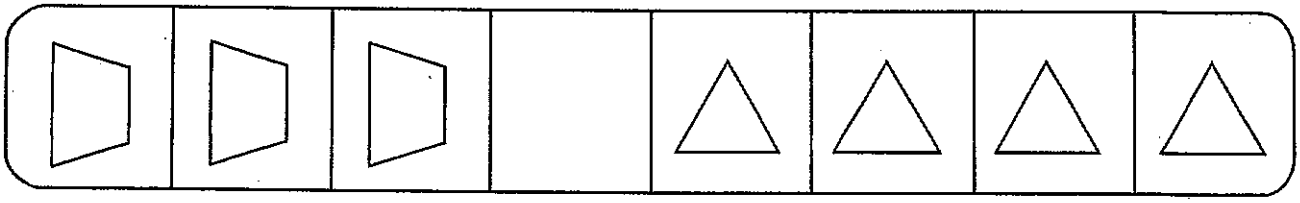
Name : _____ Score : _____

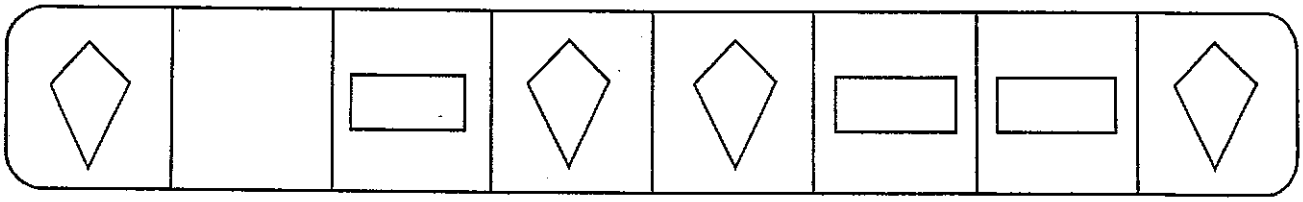
Identifying Shape Pattern

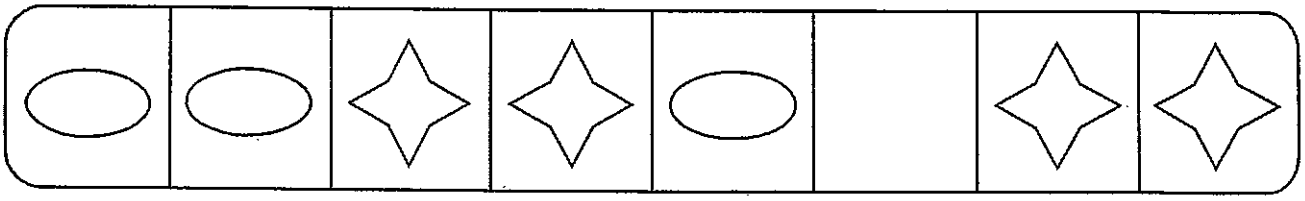
MS1

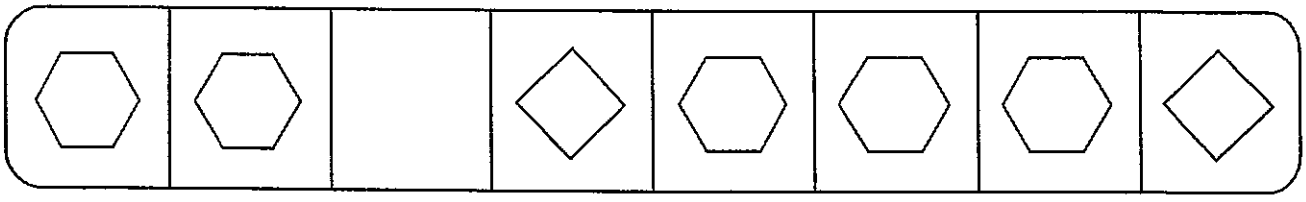
Complete the shape pattern.

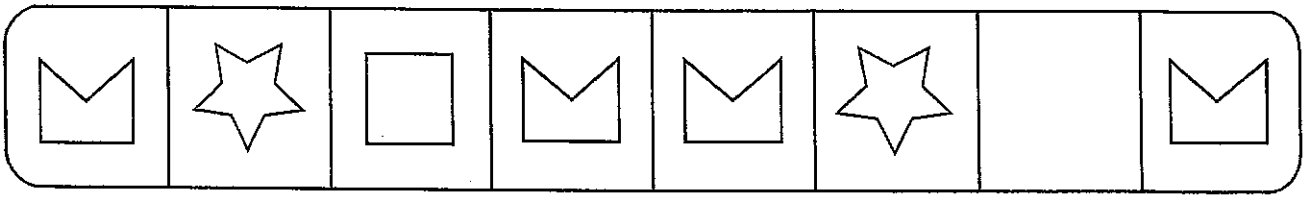
1) 

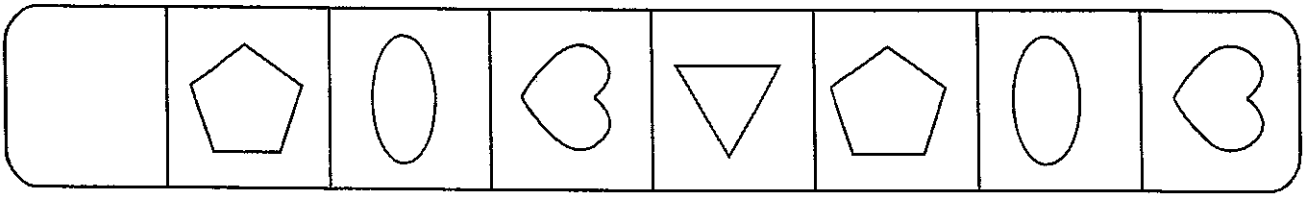
2) 

3) 

4) 

5) 

6) 

7) 

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