3rd Grade Math:

Worksheets & Topics

Topics include rounding numbers, area, patterns, fractions, multiplications, long division, word problems, and more.

I. Quick calculations

    A) $16 - 7 =$ $18 - 9 =$ $34 - 21 =$ $71 - 28 =$

    B) $7 \times 3 =$ $8 \times 10 =$ $5 \times 9 =$ $8 \times 8 =$

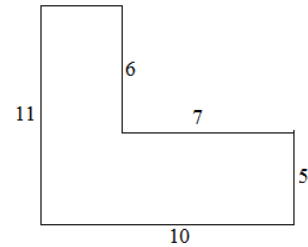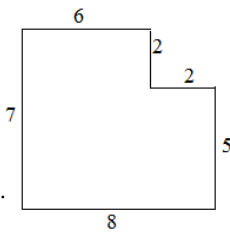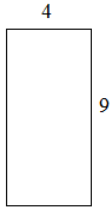   C) $15 \div 3 =$ $60 \div 6 =$ $32 \div 4 =$ $63 \div 7 =$

II. Find the area and perimeter of the figures

III. Word Problems

    A) Matt's scores in math so far are 24, 30, and 39. What is his average?

    B) Tina bought a shirt at the store that cost $25. If the sales tax is 10%, how much did she spend?

    C) Tom the cat is 2 feet tall, and Jerry the cat is 30 inches tall. How much taller is Jerry?

    D) Mark arrives to school at 11:00am. If it took 34 minutes to walk to school, what time did he leave home?

IV. Rounding numbers

    A) 2345:   round to the nearest 100s

    B) 21,456,879: round to the nearest millions

    C)   23.87: round to the nearest tenth

    D) 1436.48: round to the nearest 10s

I. Addition/Subtraction

Fill in the blanks:

1) 231 + _____ = 476

2) 432 − _____ = 57

3) 767 − 79 = _____

4) 2.34 + 1.46 = _____

5) 3.76 + 11.6 = _____

6) 13.46 − _____ = 6.51

II. Rounding Numbers

Round the following to the nearest place:

1) 73   10's

2) 132   10's

3) 357   100's

4) 642   100's

5) 2.367   tenth

6) 23,456   thousand

7) 8002   hundreds

8) 123.456   hundredth

III. Multiplication/Division

Fill in the blanks:

1) 6 x 8   = _____

2) 3 x _____ = 15

3) 14 ÷ 2   = _____

4) 21 ÷ _____ = 7

5) 20 x 6   = _____

6) 11 x 14 = _____

7) 55 ÷ _____ = 5

8) 13 x _____ = 260

IV. Word Problems

Answer the following:

1) A library room has 7 shelves containing history books.
    If each shelf has 10 books, how any books are in the room?

2) Jim has $10 to spend on snacks. If each candy bar cost $2,
    how many candy bars can he buy?

3) An sports arena can hold 12,355 fans. If the team sells 11,245
    tickets, how many empty seats will remain on game day?

V. Area and Perimeter

Find the area and perimeter of each shape:
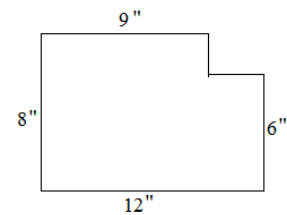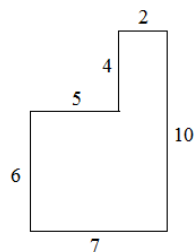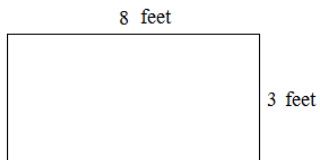
I. Quick computation

1) How many stars?

    a) 4
    b) 6
    c) 8
    d) 18
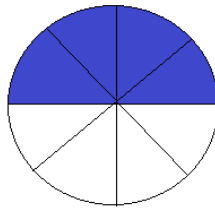
2) Which equation matches the count of triangles?

    a) $24 - 6$
    b) 6×4
    c) $8 + 3$
    d) $12 \div 2$

3) Which does NOT represent the blue area?

    a) 1/2
    b) 2/4
    c) 3/5
    d) 4/8

II. Number sequences

1) Which numbers are missing?   23, _____, 33, 38, _____, _____

    a) 28, 43, 48
    b) 28, 43, 53
    c) 28, 48, 58
    d) 28, 48, 53

2) Which numbers are missing?   44, _____ , _____, 35, 32, _____

    a) 40, 38, 30
    b) 40, 37, 29
    c) 41, 38, 29
    d) 41, 37, 30

III. Word Problems

1) John has $4.50 in his pocket. If he buys a soda for $1.50 and a snack bar for $.80, how much money does he have left?

    a) $1.80
    b) $2.00
    c) $2.20
    d) $2.30

2) Bill works 8 hours each day. How many minutes does he work every day?

    a) 48 minutes
    b) 240 minutes
    c) 480 minutes
    d) 640 minutes

1) 34 + _____ = 91

    a) 55
    b) 57
    c) 63
    d) 67

2) 5678 rounded to the nearest 100s place is

    a) 5000
    b) 5600
    c) 5680
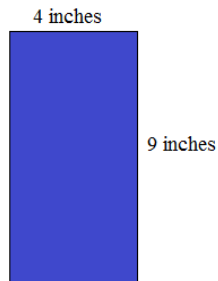   d) 5700

3) 11 x _____ = 132

    a) 11
    b) 12
    c) 121
    d) 143

4) A teacher brings 45 small cookies to share equally in school.
    If the class has 4 boys and 5 girls, how many cookies will each student get?

    a) 3
    b) 5
    c) 9
    d) 10

5) The area of the blue rectangle is

4 inches

    a) 13 square inches
    b) 26 square inches
    c) 36 square inches
    d) 49 square inches

9 inches

6) The perimeter of the blue rectangle is

    a) 13 square inches
    b) 26 square inches
    c) 36 square inches
    d) 49 square inches

7) A toy costs 14 dollars, plus 2 dollars for tax and shipping.
    If you have a 4 dollar off discount coupon, how much does the toy cost you?

    a) 8 dollars
    b) 12 dollars
    c) 18 dollars
    d) 20 dollars

8) In the number 4567 , the _____ is in the hundreds place.

    a) 4
    b) 5
    c) 6
    d) 7

1) A school has 2132 students. If each of the 4 grades has the same number
   of students, how many are in each grade?

2) A dock has 6455 pounds of fish. If they are loaded equally onto 5 trucks,
   how much will each truck carry?

3) A toy store has 4674 marbles. If equal amounts are placed in 6 bins,
   how many marbles are in each bin?

**Remainders:

4) A baker makes cookies every morning. Then, he places them into 8-count boxes.
   If he has any left-overs, he gives the extras to his dog Chip. If he baked 345 cookies,
   how many did Chip the dog get?

5) A banquet hall uses tables that seat 8 people. If a wedding reception has 301 people,
   how many tables will they need? If each table fills all 8 seats, how many people will
   sit in the remaining table?

6) 8 friends split a lottery jackpot of $2,643,800.
   How much did each person win?

7) A tourist goes 2385 miles in 9 days. On average, how far did he
   travel per day?

8) Last season, a football player gained 1876 yards.
   If he averaged 4 yards per carry, how many carries did he have?

9) Find the average (or "mean") of the following 3 numbers:
   2110, 4576, and 3775.

   (Note: the 'average' of a set is the sum of the elements
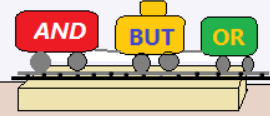   divided by the number of elements)
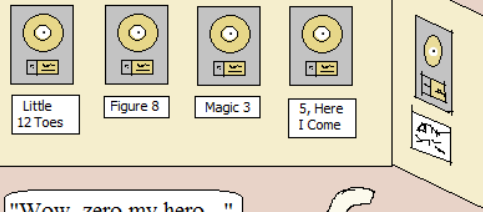
10) 'A wordless question': $\dfrac{23756}{4} =$
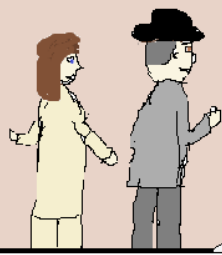
ANSWERS-→

I. Quick calculations

A) $16 - 7 = $ 9 $18 - 9 = $ 9 $34 - 21 = $ 13 $71 - 28 = $ 43

B) $7 \times 3 = $ 21 $8 \times 10 = $ 80 $5 \times 9 = $ 45 $8 \times 8 = $ 64

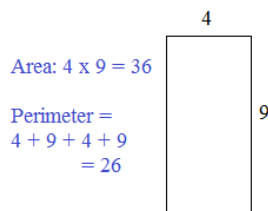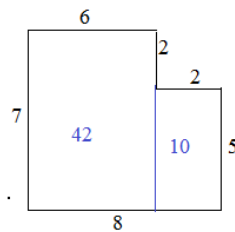C) $15 \div 3 = $ 5 $60 \div 6 = $ 10 $32 \div 4 = 8$ $63 \div 7 = $ 9

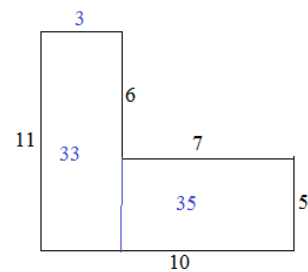II. Find the area and perimeter of the figures

Area: $4 \times 9 = 36$

Perimeter =
$4 + 9 + 4 + 9$
$= 26$

4

9

Area: $42 + 10$
$= 52$

Perimeter:
add up all the
sides: 30

6

7

42

2

2

10

5

8

Area: $33 + 35$
$= 68$

Perimeter:
add up all the
sides: 42

3

11

33

6

7

35

10

5

III. Word Problems

A) Matt's scores in math so far are 24, 30, and 39. What is his average? $24 + 30 + 39 = 93$ Then, 93 divided by 3 = 31

B) Tina bought a shirt at the store that cost $25. If the sales tax is 10%, how much did she spend?

10% of $25 is $2.50... So, total cost is $27.50

C) Tom the cat is 2 feet tall, and Jerry the cat is 30 inches tall. How much taller is Jerry?

2 feet = 24 inches... Jerry is 6 inches taller..

D) Mark arrives to school at 11:00am. If it took 34 minutes to walk to school, what time did he leave home?

60 - 34 = 26... so, 10:26 AM

IV. Rounding numbers

A) 2345: round to the nearest 100s   2300

B) 21,456,879: round to the nearest millions   21,000,000

C) 23.87: round to the nearest tenth   23.9

D) 1436.48: round to the nearest 10s   1440.00

I. Addition/Subtraction

Fill in the blanks:

1) 231 + __245__ = 476

2) 432 − __375__ = 57

3) 767 − 79 = __688__

4) 2.34 + 1.46 = __3.80__

5) 3.76 + 11.6 = __15.36__

6) 13.46 − __6.95__ = 6.51

note: 3 + 11 = 14, so the answer should be around 14 or 15... Make sure decimal is in correct place!

```
   13.46
 −  6.51
   6.95
```

```
   3.76
  11.60
  15.36
```

II. Rounding Numbers

Round the following to the nearest place:

1) 73   10's   70

2) 132   10's   130

3) 357   100's   400

4) 642   100's   600

5) 2.367   tenth   2.4

6) 23,456   thousand   23,000

7) 8002   hundreds   8000

8) 123.456   hundredth   123.46

III. Multiplication/Division

Fill in the blanks:

1) 6 x 8 = __48__

2) 3 x __5__ = 15

3) 14 ÷ 2 = __7__

4) 21 ÷ __3__ = 7

5) 20 x 6 = __120__

6) 11 x 14 = __154__

7) 55 ÷ __11__ = 5

8) 13 x __20__ = 260

note: 6 x 2 = 12.. then, add a zero

notice: 10 x 14 = 140
1 x 14 = 14
so, 11 x 14 = 154

IV. Word Problems

Answer the following:

1) A library room has 7 shelves containing history books. If each shelf has 10 books, how any books are in the room?   multiplication: 7 x 10 = 70

2) Jim has $10 to spend on snacks. If each candy bar cost $2, how many candy bars can he buy?   division: 10 / 2 = 5 candy bars

3) An sports arena can hold 12,355 fans. If the team sells 11,245 tickets, how many empty seats will remain on game day?   subtraction: 12,355 - 11,245 = 1,110 empty seats

Step 1: Identify the operation
Step 2: Set up the equation
Step 3: Solve
Step 4: Check work (is the answer reasonable?!!?)

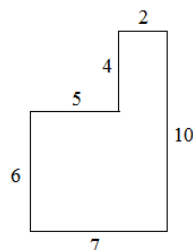## V. Area and Perimeter

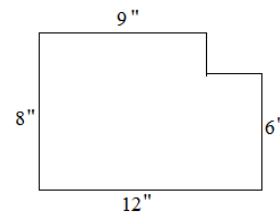Find the area and perimeter of each shape:
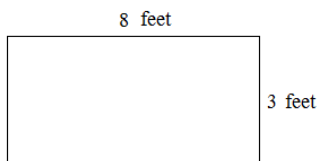
8 feet   3 feet

perimeter: 8 + 3 + 8 + 3 = 22 feet

area: 8 feet x 3 feet = 24 square feet

2   4   5   10   6   7

perimeter: 2 + 4 + 5 + 6 + 7 + 10 = 34 units

area: 50 square units

9"   8"   6"   12"

perimeter: 8 + 9 + 2 + 3 + 6 + 12 = 40 inches

area: 9 inches x 8 inches + 3 inches x 6 inches

72 + 18 = 90 square inches

I. Quick computation

1) How many stars?

4 x 3 = 12

☆ ☆ ☆ ☆   ☆ ☆ ☆
☆ ☆ ☆ ☆   —   ☆ ☆   =
☆ ☆ ☆ ☆   ☆

a) 4
b) 6
c) 8
d) 18

12   —   6   = 6

2) Which equation matches the count of triangles?

△ △ △ △   △ △ △ △   △ △ △ △

△ △ △ △   △ △ △ △   △ △ △ △

a) 24 − 6
b) 6 x 4
c) 8 + 3
d) 12 ÷ 2

6 sets x 4 triangles each = 24
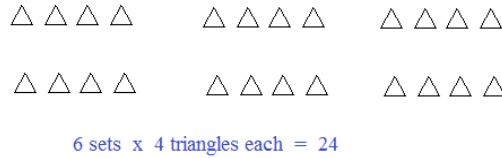
3) Which does NOT represent the blue area?

a) 1/2
b) 2/4
c) 3/5
d) 4/8
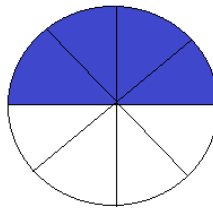
1/2 = 2/4 = 4/8

II. Number sequences

+5   +5   +5....

1) Which numbers are missing?   23, __28__ , 33, 38, __43__ , __48__

a) 28, 43, 48
b) 28, 43, 53
c) 28, 48, 58
d) 28, 48, 53

-3   -3   -3 ....

2) Which numbers are missing?   44, __41__ , __38__ , 35, 32, __29__

a) 40, 38, 30
b) 40, 37, 29
c) 41, 38, 29
d) 41, 37, 30

III. Word Problems

1) John has $4.50 in his pocket. If he buys a soda for $1.50 and a snack bar for $.80,
   how much money does he have left?

a) $1.80
b) $2.00
c) $2.20
d) $2.30

4.50 - 1.50 = 3.00

then, 3.00 - .80 = 2.20

2) Bill works 8 hours each day. How many minutes does he work every day?

a) 48 minutes
b) 240 minutes
c) 480 minutes
d) 640 minutes

8 hours x 60 minutes/hour   = 480 minutes

1) 34 + _____ = 91

    a) 55
    b) 57
    c) 63
    d) 67

91 minus 34 equals 57

2) 5678 rounded to the nearest 100s place is

    a) 5000
    b) 5600
    c) 5680
    d) 5700

The hundreds place is 6, so
either round up or round down...
In this case, round up!

3) 11 x _____ = 132

    a) 11
    b) 12
    c) 121
    d) 143

11 x 11 = 121

so, 12 is the only other possiblity

4) A teacher brings 45 small cookies to share equally in school.
If the class has 4 boys and 5 girls, how many cookies will each student get?

    a) 3
    b) 5
    c) 9
    d) 10

45 total cookies "divided by" 9 students equals 5 cookies each

5) The area of the blue rectangle is

    a) 13 square inches
    b) 26 square inches
    c) 36 square inches
    d) 49 square inches

4 x 9 = 36

length x width = area

4 inches

9 inches

6) The perimeter of the blue rectangle is

    a) 13 square inches
    b) 26 square inches
    c) 36 square inches
    d) 49 square inches

add up all the sides..

4 + 9 + 4 + 9 = 26

7) A toy costs 14 dollars, plus 2 dollars for tax and shipping.
If you have a 4 dollar off discount coupon, how much does the toy cost you?

    a) 8 dollars
    b) 12 dollars
    c) 18 dollars
    d) 20 dollars

14 plus 2 = 12.... then, 12 minus 4 = 8

8) In the number 4567 , the _____ is in the hundreds place.

    a) 4
    b) 5
    c) 6
    d) 7

1) A school has 2132 students. If each of the 4 grades has the same number of students, how many are in each grade?

533

```
    0533
4 | 2132
  − 0
    ‾‾‾
    21
  − 20
    ‾‾‾
    13
   −12
    ‾‾‾
    12
   −12
    ‾‾‾
     0
```

Start with "thousands" place (left to right)..
Divide...
We get 0...
Move to "hundreds" place...
Divide... 4 into 21..
"Subtract" 20 from 21...
Bring down next place ("tens")
Divide... (Keep track at the top)...
"Deduct"...

2) A dock has 6455 pounds of fish. If they are loaded equally onto 5 trucks, how much will each truck carry?

1291

```
     1291
5 | 6455
  − 5
    ‾‾‾
    14
   −10
    ‾‾‾
    45
   −45
    ‾‾‾
    05
  − 5
    ‾‾‾
     0
```

(going left to right)
Start with the "thousands" place..   6
Divide... Keep track at the top...   1
Deduct...   -5
Move to the "hundreds" place...
(Bring down the next place)   14
Divide... Keep track at the top...   2
Deduct...   -10
Move to the "tens" place...
(Bring down the next place)   45
Divide... Keep track at the top...   9
Deduct...   -45
(Bring down the last place)   05
Divide.... Keep track at the top..   1
Deduct..   -5

3) A toy store has 4674 marbles. If equal amounts are placed in 6 bins, how many marbles are in each bin?

779

```
    0779
6 | 4674
  −42
   ‾‾‾
    47
  − 42
    ‾‾‾
    54
  − 54
    ‾‾‾
     0
```

**Remainders:

4) A baker makes cookies every morning. Then, he places them into 8-count boxes. If he has any left-overs, he gives the extras to his dog Chip. If he baked 345 cookies, how many did Chip the dog get?

The baker made 43 boxes of cookies...
And, Chip the dog got 1 cookie!

```
     043
8 | 345
  − 0
   ‾‾‾
    34
  − 32
   ‾‾‾
    25
  − 24
   ‾‾‾
    (1)
```

5) A banquet hall uses tables that seat 8 people. If a wedding reception has 301 people, how many tables will they need? If each table fills all 8 seats, how many people will sit in the remaining table?

The wedding reception will require
37 full tables PLUS 1 table with 5 guests..

38 total tables..

```
     037
8 | 301
  −24
   ‾‾‾
    61
  − 56
   ‾‾‾
    (5)
```

6) 8 friends split a lottery jackpot of $2,643,800.
   How much did each person win?

Total: 2,643,800

Divided: 8

Each friend gets
$330,475

```
      330475
   _____
 8 | 2643800
   − 24
   _____
      24
    − 24
    _____
      038
    − 32
    _____
       60
     − 56
     _____
        40
      − 40
      _____
         0
```

7) A tourist goes 2385 miles in 9 days. On average, how far did he
   travel per day?

265 miles per day

```
      265
   _____
 9 | 2385
   − 18
   _____
      58
    − 54
    _____
       45
     − 45
     _____
        0
```

8) Last season, a football player gained 1876 yards.
   If he averaged 4 yards per carry, how many carries did he have?

The player had 469 carries last season

```
      0469
   _____
 4 | 1876
   − 16
   _____
      27
    − 24
    _____
       36
     − 36
     _____
        0
```

9) Find the average (or "mean") of the following 3 numbers:
   2110, 4576, and 3775.

   (Note: the 'average' of a set is the sum of the elements
          divided by the number of elements)

The mean or average of
the 3 numbers is
   3487

First, find the sum of the
3 numbers:

```
    2110
    4576
 +  3775
 _____
   10461
```

Then, divide by the
number of elements (3):

```
      3487
   _____
 3 | 10461
   − 9
   _____
     14
   − 12
   _____
      26
    − 24
    _____
       21
     − 21
     _____
        0
```

10) 'A wordless question': $\frac{23756}{4}$ = 5939

```
      5939
   _____
 4 | 23756
   − 20
   _____
      37
    − 36
    _____
       15
     − 12
     _____
        36
      − 36
      _____
         0
```

Thanks for visiting. (Hope it helps!)

If you have questions, suggestions, or requests, let us know.

Enjoy!
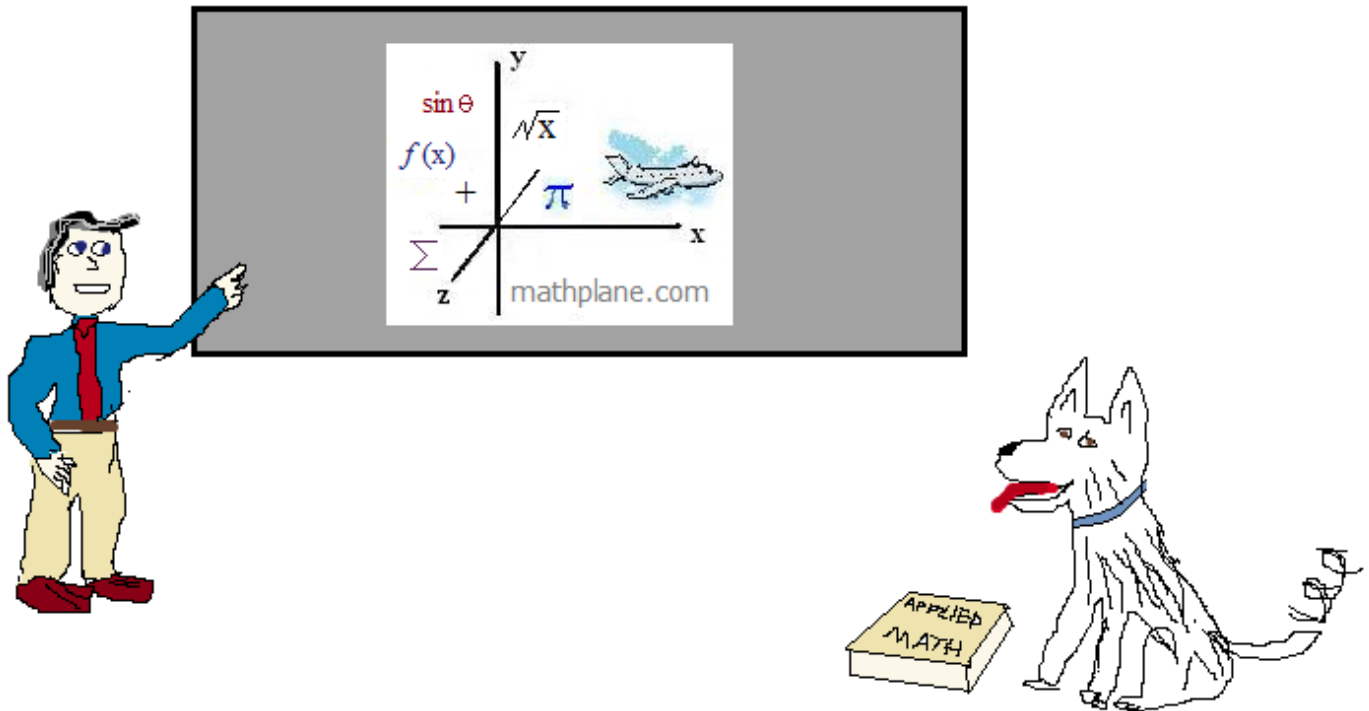
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