# Math Buzz

Name: _____

Multiply.

**72.5 x 10 = _____**

**23.84 x 10 = _____**

**72.5 x 100 = _____**

**23.84 x 100 = _____**

**72.5 x 1,000 = _____**

**23.84 x 1,000 = _____**

Today is Noah's mother's birthday. Noah and his siblings are surprising her by making dinner and a cake. The roasted chicken needs to cook for 45 minutes and
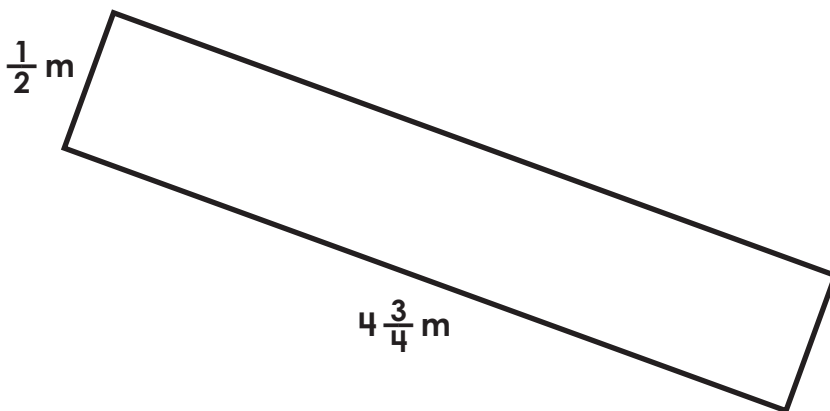
Fill in the missing numbers.

**36,000,000 ÷ 10 ⎯⎯ = 360**

578 = _____ ÷ 10,000,000

answer: _____

Find the area of the rectangle. Simplfy if possible.

$\frac{1}{2}$ m

$4\frac{3}{4}$ m

Area = _____ square m

Name: _____
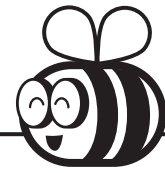
## Math Buzz

Evaluate each expression.

$$(410{,}000{,}000{,}000 \div 10^9) + (10^2 \times 39) = \underline{\hspace{3cm}}$$

$$(10^4 \times 68) - (20{,}000{,}000{,}000 \div 10^7) = \underline{\hspace{3cm}}$$

Mr. Crandall ordered three large pizzas for his fifth graders' Moving Up Day celebration. If each pizza was divided into twelfths, how many total slices of pizza were there?
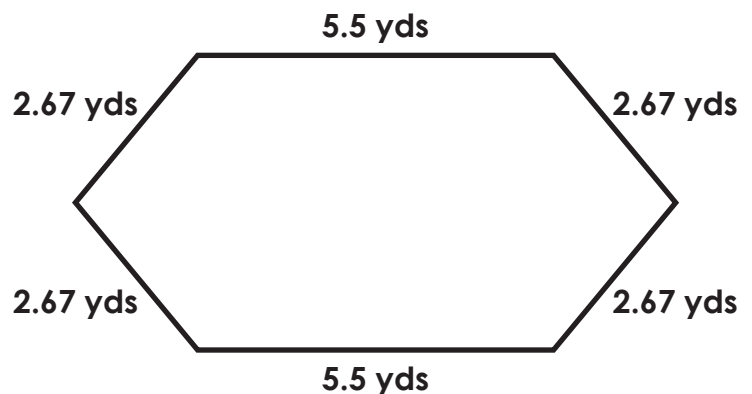
**Show your work.**

Complete the chart.

| Division Expression | Improper Fraction | Mixed Number |
|---|---|---|
| $17 \div 6$ | | $2\frac{5}{}$ |

**Preview**

*Please log in to download the printable version of this worksheet.*

5.5 yds

2.67 yds                    2.67 yds

2.67 yds                    2.67 yds

5.5 yds

Perimeter = _____ yds

Name: _____

## Math Buzz

Multiply. Simplify if possible.

$3\frac{5}{6} \times 4\frac{1}{2} =$ _____

$2\frac{1}{12} \times 5\frac{3}{4} =$ _____

Classify the polygon using as many names as possible.

parrallelogram          rhombus

quadrilateral          square

rectangle          trapezoid

Plot and label the points on the coordinate grid.

$y$

12
11
10
9
8
7
6
5
4

R (10, 5)          N (5, 5)

What is the vertical distance between Point D and Point N?

answer: _____ units

Divide.

41.2 ÷ 10 = _____          19.66 ÷ 10 = _____

41.2 ÷ 100 = _____          19.66 ÷ 100 = _____

41.2 ÷ 1,000 = _____          19.66 ÷ 1,000 = _____

Name: _____

# Math Buzz

Use place value patterns to complete the table.

| $\frac{1}{10}$ of | Number | 10 times as much |
|---|---|---|
| | 0.9 | |
| | 8.3 | |
| | 42.1 | |
| | 206.7 | |

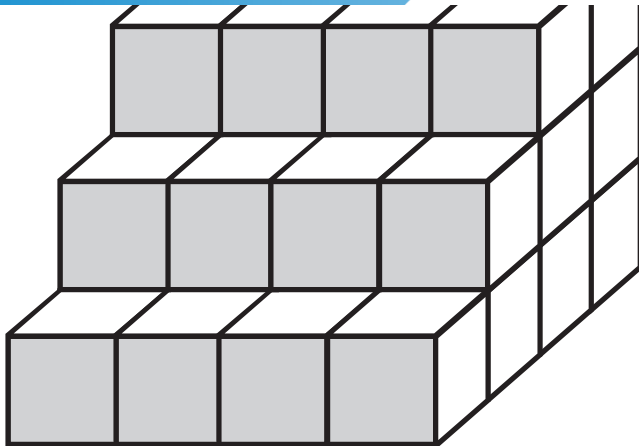Insert parentheses to make each statement true.

**20 − 13 − 5 = 12**

**20 − 13 − 5 = 2**

Talia's grandmother made 32 ounces of strawberry jam. She helped by putting an equal amount of jam into six jars. How many ounces of jam did Talia put in each jar? Simplify if possible.

Volume = _____ cubic units

Name: _____

## Math Buzz

Divide. Simplify if possible.

$4 \div \dfrac{3}{5} =$ _____

$9 \div \dfrac{1}{2} =$ _____

$5 \div \dfrac{8}{10} =$ _____

Complete the factor tree to find the prime factors.



Evaluate each expression for **x** = 12 and **y** = 6.

How many total minutes did Hannah practice piano last week?

**Show your work.**

answer: _____

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**Multiply.**

72.5 x 10 = **725**

72.5 x 100 = **7,250**

72.5 x 1,000 = **72,500**

23.84 x 10 = **238.4**

23.84 x 100 = **2,384**

23.84 x 1,000 = **23,840**

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Today is Noah's mother's birthday. Noah and his siblings are surprising her by making dinner and a cake. The roasted chicken needs to cook for 45 minutes and the cake needs to cook for a half hour. How many more minutes does the chicken need to cook than the cake?

**Show your work.**

**45 − 30 = 15**
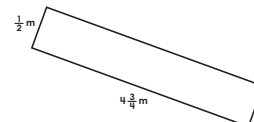
answer: **15 minutes**

---

Fill in the missing numbers.

$36{,}000{,}000 \div 10^{\;\mathbf{5}} = 360$

$204{,}000{,}000{,}000 = \underline{\;\mathbf{204}\;} \times 1{,}000{,}000{,}000$

$10^{\;\mathbf{3}} \times 920 = 920{,}000$

$578 = \underline{\;\mathbf{5{,}780{,}000{,}000}\;} \div 10{,}000{,}000$

---

Find the area of the rectangle. Simplfy if possible.

($\frac{1}{2}$ m, $4\frac{3}{4}$ m)

$4\frac{3}{4} \times \frac{1}{2} = \frac{19}{8} = 2\frac{3}{8}$

Area = **$2\frac{3}{8}$** square m

---

**Evaluate each expression.**

$(410{,}000{,}000{,}000 \div 10^{9}) + (10^{2} \times 39) =$
**4,310**

$(10^{4} \times 68) - (20{,}000{,}000{,}000 \div 10^{7}) =$
**678,000**

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Mr. Crandall ordered three large pizzas for his fifth graders' Moving Up Day celebration. If each pizza was divided into twelfths, how many total slices of pizza were there?
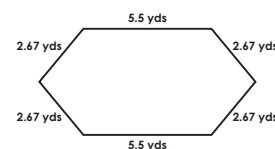
**Show your work.**

$3 \div \frac{1}{12} = 36$

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Complete the chart.

| Division Expression | Improper Fraction | Mixed Number |
|---|---|---|
| 17 ÷ 6 | $\frac{\mathbf{17}}{\mathbf{6}}$ | $2\frac{5}{6}$ |
| 9 ÷ 2 | $\frac{9}{2}$ | $\mathbf{4\frac{1}{2}}$ |
| **13 ÷ 10** | $\frac{13}{10}$ | $1\frac{3}{10}$ |

---

Find the perimeter of the polygon.

(5.5 yds, 2.67 yds, 2.67 yds, 2.67 yds, 2.67 yds, 5.5 yds)

**5.5 + 5.5 + 2.67 + 2.67 + 2.67 + 2.67 = 21.68**

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answer: **3** units

rectangle    trapezoid

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Use place value patterns to complete the table.

| $\frac{1}{10}$ of | Number | 10 times as much |
|---|---|---|
| **.09** | 0.9 | **9** |
| **.83** | 8.3 | **83** |
| **4.21** | 42.1 | **421** |
| **20.67** | 206.7 | **2,067** |

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Insert parentheses to make each statement true.

**20 − (13 − 5) = 12**

**(20 − 13) − 5 = 2**

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Count the cubes and write the volume of the figure.
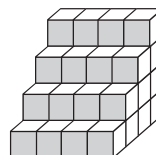
Volume = **40** cubic units

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Talia's grandmother made 32 ounces of strawberry jam. She helped by putting an equal amount of jam into six jars. How many ounces of jam did Talia put in each jar? Simplify if possible.

**Show your work.**

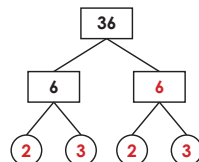$32 \div 6 = 5\frac{2}{6} = 5\frac{1}{3}$

answer: **$5\frac{1}{3}$ ounces**

---

Divide. Simplify if possible.

$4 \div \frac{3}{5} = \frac{\mathbf{20}}{\mathbf{3}} = 6\frac{2}{3}$

$9 \div \frac{1}{2} = \mathbf{18}$

$5 \div \frac{8}{10} = \frac{\mathbf{50}}{\mathbf{8}} = 6\frac{1}{4}$

---

Complete the factor tree to find the prime factors.

36
├ 6
│ ├ 2
│ └ 3
└ 6
  ├ 2
  └ 3

36 = **2** x **3** x **2** x **3**

---

Evaluate each expression for **x** = 12 and **y** = 6.

$x \div y = $ **12 ÷ 6 = 2**

$y \div (x \div y) = $ **6 ÷ (12 ÷ 6) = 3**

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Hannah is learning to play the piano. Last week she practiced for one hour on Monday, Wednesday, and Friday. On Tuesday and Thursday, she practiced for 45 minutes. How many total minutes did Hannah practice piano last week?

**Show your work.**

**60 x 3 = 180   45 x 2 = 90   180 + 90 = 270**

answer: **270 minutes**

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