



Name: _____

Get a fidget spinner! Spin it.

I needed to spin _____ time(s) to finish.

Not Exact

Estimate - With a Good Guess

$46 \div 5 \approx \underline{9}$

$50 \div 6 \approx \underline{8}$

$82 \div 12 \approx \underline{\quad}$

$29 \div 9 \approx \underline{\quad}$

$82 \div 11 \approx \underline{\quad}$

$19 \div 4 \approx \underline{\quad}$

$38 \div 7 \approx \underline{\quad}$

$78 \div 10 \approx \underline{\quad}$

$32 \div 7 \approx \underline{\quad}$

$38 \div 6 \approx \underline{\quad}$

$17 \div 3 \approx \underline{\quad}$

$91 \div 10 \approx \underline{\quad}$

$29 \div 9 \approx \underline{\quad}$

$25 \div 3 \approx \underline{\quad}$

$16 \div 5 \approx \underline{\quad}$

$37 \div 4 \approx \underline{\quad}$

$34 \div 8 \approx \underline{\quad}$

$57 \div 8 \approx \underline{\quad}$

$101 \div 12 \approx \underline{\quad}$

$47 \div 8 \approx \underline{\quad}$

$59 \div 9 \approx \underline{\quad}$

$75 \div 12 \approx \underline{\quad}$

$40 \div 9 \approx \underline{\quad}$

$39 \div 10 \approx \underline{\quad}$

$31 \div 6 \approx \underline{\quad}$

$91 \div 11 \approx \underline{\quad}$

$72 \div 10 \approx \underline{\quad}$

$47 \div 5 \approx \underline{\quad}$

$45 \div 8 \approx \underline{\quad}$

$26 \div 6 \approx \underline{\quad}$

$29 \div 3 \approx \underline{\quad}$

$45 \div 7 \approx \underline{\quad}$

$26 \div 7 \approx \underline{\quad}$

$89 \div 11 \approx \underline{\quad}$

$22 \div 3 \approx \underline{\quad}$

$44 \div 12 \approx \underline{\quad}$

$39 \div 5 \approx \underline{\quad}$

$38 \div 4 \approx \underline{\quad}$

$59 \div 11 \approx \underline{\quad}$

$13 \div 3 \approx \underline{\quad}$

$32 \div 5 \approx \underline{\quad}$

$76 \div 9 \approx \underline{\quad}$

Name: _____

Mental Math

— #1 —

■ Start with the sum of 4 and 10.

14

■ Triple that number.

8 7 4 7 4 2 1 9 2 0 (Circle your answer to double check you are correct.) _____

■ Find one-third.

1 6 6 1 9 3 1 4 4 9 _____

■ Increase that number by 36.

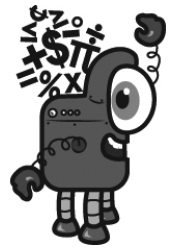
8 3 9 5 0 4 3 6 5 4 _____

■ Multiply the tens digit by the ones digit. The product is your new number.

5 0 2 0 6 0 7 3 8 2 _____

■ Multiply by 3.

7 5 3 3 1 7 6 8 0 6 _____



Mental Math

— #2 —

☼ Start with the number 655.

6 5 5 4 5 1 9 0 2 6 (Circle your answer to double check you are correct.) _____

☼ Add the digits in your number. The sum of that is your new number.

1 2 1 6 6 1 3 1 7 6 _____

☼ Multiply by 10.

9 1 6 0 4 2 7 9 8 1 _____

☼ Add the digits in your number. The sum of that is your new number.

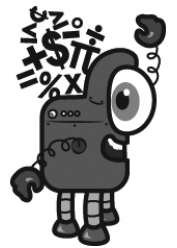
4 8 7 3 1 6 2 1 9 6 _____

☼ Add half of 58.

3 0 8 1 6 4 3 6 2 5 _____

☼ Increase that number by 33.

6 9 9 3 8 9 4 7 7 8 _____



Name: _____

Write the reciprocal.

16

Write the reciprocal.

$$\frac{3}{1}$$

Write the reciprocal.

$$\frac{1}{10}$$

$$\begin{array}{r} 175 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ \times 13 \\ \hline \end{array}$$

Find the difference
 between 487 and 35.

Find the sum of 27 and 891.

$$\begin{array}{r} 48,297 \\ - 355 \\ \hline \end{array}$$

$$7y = 35$$

$$\frac{N}{5} = 4$$

$$\frac{N}{6} = 2$$

Write as a decimal.

$$\frac{9}{10}$$

Write as a decimal.

$$5 \frac{44}{100}$$

Write as a decimal.

$$11 \frac{2}{10}$$

Name: _____

$$\begin{array}{r} 0.32 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8.1 \\ \times \quad 20 \\ \hline \end{array}$$

Change $\frac{5}{10}$ to a decimal.

Rewrite $12 + -7$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

What is the number that is 7 less than 2?

$$6 - 9 =$$

$$17 + \frac{1}{3} - \frac{4}{7} =$$

$$12 - \frac{4}{9} + \frac{2}{3} =$$

$$39 - \frac{1}{3} =$$

$$-10 - -9 =$$

$$-4 \div 1 =$$

$$3 - 4 - 2 =$$

Find the difference between 9.6 and 3.9.

$$9 - 1.5 =$$

$$\begin{array}{r} 3.3 \\ - 2.82 \\ \hline \end{array}$$

Name: _____

| | | |
|---|---|--|
| <p>Kevin picked 25 pretty flowers for his mother. One-fifth of the flowers were blue. How many flowers were not blue?</p> | <p>Mrs. Jackson is making a honey cake. She will use $\frac{4}{8}$ of a cup of honey in the cake and $\frac{3}{8}$ of a cup of honey in the frosting. How much honey will she use in all?</p> | <p>Nathan's father is a police officer. He works from 9:00 a.m. until 4:00 p.m. for five days each week. How long does Nathan's father work in a week?</p> |
|---|---|--|

| | | |
|---|--|-----------------|
| $\begin{array}{r} 329 \\ + 413 \\ \hline \end{array}$ | <p>Circle the greatest number: 52,864,173,092 9,647,810,534 69,210 738,548,962</p> | <p>7 x 12 =</p> |
|---|--|-----------------|

| | | |
|---|--|---|
| $\begin{array}{r} 54 \\ - 33 \\ \hline \end{array}$ | <p>Rose wants Wendy to guess a three digit number. She tells Wendy that her number has three different digits. The digits are 7, 2, and 6. Wendy thinks. She then guesses the number 267. What are the chances that Wendy has guessed correctly?</p> | <p>19 cm = _____ mm</p> |
| $\begin{array}{r} 42 \\ + 38 \\ \hline \end{array}$ | | <p>1 kg = 1,000 g 29 kg = _____ g</p> |
| | | <p>11 x 8 =</p> |

Name: _____

Circle the addition property
for $63 + 66 = 66 + 63$.

- associative property
- commutative property

$$\begin{array}{r} 770 \\ - 379 \\ \hline \end{array}$$

Draw a shape that has between three and six lines. The shape should have at least one line of symmetry. Show the line of symmetry using a dotted line.

Can 614 be evenly divided by 5? Circle:

- 614 is evenly divisible by 5
- 614 is NOT evenly divisible by 5

How many millimeters are in 8 centimeters?

_____ millimeters

Write whether this fragment is missing a subject or a verb.

is dancing with abandon

Anne was given four numbers: 9, 8, 12, and 14. She needs to use two of these numbers to make a fraction. Can she make a fraction that is less than three-fourths?

Circle the smallest number:

1,852,796,043

71,025,846,937

26,390,574

618,245,930

Name: _____

| | |
|--|---|
| <p>How many digits are in ten times ten? _____</p> | <p>How far do you think it is from your desk to your teacher's desk? Write an estimate of the distance you think it could be.</p> |
|--|---|

| | |
|--|--|
| <p>The circus is in town! Tickets are only \$3 for kids. Adults need to pay double the price of kids tickets. Holly is bringing three of her friends in her class. Her mom is also coming. Holly wants to pay for everyone. How much will she need to pay?</p> | <p>What time is 14 hours after 2:00 a.m. _____</p> |
|--|--|

| | |
|---|-----------------------------------|
| <p>Write 95,909 in words. _____</p> | <p>$11 \times 7 =$</p> |
|---|-----------------------------------|

| |
|---|
| <p>Write a letter that has two or more lines of symmetry. _____</p> |
|---|

| | |
|--|-----------------------------------|
| <p>Write this as a number in standard form. Use a comma in your number. five hundred forty-eight thousand, four hundred sixty-one _____</p> | <p>$(5 + 4) + 2 =$</p> |
|--|-----------------------------------|

| | |
|---|---------------------------------|
| <p>Rewrite the sentence correctly. if you break the jar mom will be mad _____ _____</p> | <p>$35 \div 5 =$</p> |
|---|---------------------------------|

Name: _____

$$0 \cdot = \cdot 5 \cdot 9 \cdot 2 \cdot 0 \cdot + \cdot 4 \cdot + \cdot 3 \cdot = \cdot 7 \cdot = \cdot 5 \cdot 3 \cdot 2$$

$$2 \cdot 2 \cdot = \cdot 7$$

Use the pieces above to help you fill in the runaway math puzzle.

What is 50% of 1,022?

How much time is it from 8:00 a.m. to 10:40 a.m.?

It was 71 degrees outside. What would the temperature be if it got 10 degrees colder?

4, 6, _____, 6, 4, 6, 4, 6,
4, 6

Round the decimal 0.645 to the nearest hundredth.

It's 10:00 a.m. Holly has soccer practice today. If practice starts at 4:40 p.m., then how much longer until soccer starts?

Name: _____

Find the way from START to END by passing through EVERY number that is a multiple of nine exactly ONCE. Cross off each box that is NOT a multiple of nine. Yes, that means you have to go through ALL the multiple of nine boxes. Wow! You are not allowed to go diagonally. Good luck!

| | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|
| START | 765 | 963 | 495 | 775 | 590 | 101 |
| 99 | 819 | 576 | 711 | 638 | 469 | 746 |
| 342 | 450 | 396 | 90 | 684 | 657 | 911 |
| 117 | 756 | 135 | 180 | 639 | 594 | 134 |
| 180 | 648 | 234 | 432 | 758 | 533 | 942 |
| 288 | 936 | 276 | 27 | 612 | 738 | 630 |
| 837 | 531 | 243 | 738 | 211 | 369 | 567 |
| 864 | 941 | 404 | 0 | 222 | 909 | 451 |
| 855 | 881 | 144 | 585 | 324 | 441 | 374 |
| 405 | 198 | 504 | 367 | 783 | 819 | END |

Name: _____

$$66 \overline{) 2797}$$

$$20 \overline{) 360}$$

$$14 \overline{) 112}$$

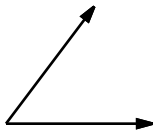
$$7 \overline{) 315}$$

$$12 \overline{) 72}$$

$$33 \overline{) 1204}$$

$$36 \overline{) 145}$$

$$4 \overline{) 144}$$



What kind of angle is this?



What kind of angle is this?

$$28 \div 7 =$$

Which number has exactly 6 tens?

Name the shape with eight sides and eight angles.

$$\frac{1}{6561}, \frac{1}{729}, \frac{1}{81}, \frac{1}{9},$$

_____, (9), (81),
(729)

$$45 \div \underline{\quad} = 9$$

How much greater is 182 than 33?

Name: _____

$$\begin{array}{r} 117,365 \\ - 61,069 \\ \hline \end{array}$$

$$\begin{array}{r} 104,588 \\ - 53,530 \\ \hline \end{array}$$

$$\begin{array}{r} 106,429 \\ - 68,730 \\ \hline \end{array}$$

$$\begin{array}{r} 57,133 \\ - 41,978 \\ \hline \end{array}$$

$$\begin{array}{r} 125,585 \\ - 31,373 \\ \hline \end{array}$$

$$\begin{array}{r} 81,904 \\ - 44,505 \\ \hline \end{array}$$

$$\begin{array}{r} 64,472 \\ - 34,969 \\ \hline \end{array}$$

$$\begin{array}{r} 79,083 \\ - 15,072 \\ \hline \end{array}$$

$$\begin{array}{r} 46,204 \\ - 27,396 \\ \hline \end{array}$$

$$\begin{array}{r} 89,910 \\ - 44,351 \\ \hline \end{array}$$

$$\begin{array}{r} 110,606 \\ - 12,642 \\ \hline \end{array}$$

$$\begin{array}{r} 100,668 \\ - 60,061 \\ \hline \end{array}$$

$$\begin{array}{r} 115,045 \\ - 76,445 \\ \hline \end{array}$$

$$\begin{array}{r} 95,214 \\ - 80,153 \\ \hline \end{array}$$

$$\begin{array}{r} 162,259 \\ - 77,401 \\ \hline \end{array}$$

$$\begin{array}{r} 80,449 \\ - 65,382 \\ \hline \end{array}$$

$$\begin{array}{r} 64,551 \\ - 52,640 \\ \hline \end{array}$$

$$\begin{array}{r} 169,078 \\ - 82,842 \\ \hline \end{array}$$

$$\begin{array}{r} 133,752 \\ - 92,120 \\ \hline \end{array}$$

$$\begin{array}{r} 174,085 \\ - 97,017 \\ \hline \end{array}$$

$$\begin{array}{r} 96,231 \\ - 10,560 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 4 \\ \hline \square \end{array}$$

$$\begin{array}{r} - 5 \\ \hline 21 \\ + \square \end{array}$$

$$\begin{array}{r} 23 \\ - 9 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 6 \\ \hline \square \end{array}$$

$$\begin{array}{r} + 6 \\ \hline 26 \\ - \square \end{array}$$

$$\begin{array}{r} 17 \\ + \square \end{array}$$

$$\begin{array}{r} 19 \\ + 5 \\ \hline \square \end{array}$$

Name: _____

Fill in the missing numbers.

Only rule - The same number CAN NOT be next to each other, in ANY direction.

Dark lines surround a block. Numbers to use in a block:

A block with 1 space has to be the number 1.

A block with 2 spaces must have the numbers 1 and 2.

A block with 3 spaces must have the numbers 1, 2, and 3.

A block with 4 spaces must have the numbers 1, 2, 3, and 4.

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | | | | | 3 | 1 |
| 2 | 4 | 2 | 3 | 1 | 4 | 2 |
| 1 | 3 | 1 | 4 | 2 | 3 | 1 |

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

3 4 1 2

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | 3 | 1 | 3 | 2 | 4 | 1 |
| 1 | 4 | 2 | 4 | 1 | 3 | 2 |
| 2 | 3 | 1 | | | | |
| 1 | 4 | 2 | 4 | 1 | 3 | 2 |

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

1 3 4 2

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 2 | 1 | 2 | 3 | | 1 |
| | 4 | | | 1 | 2 | |
| 1 | 2 | 1 | | 3 | 4 | 1 |

Hint - These numbers are missing:

2 3 3 3 4 4

| | | | | | | |
|---|---|---|---|---|---|---|
| 1 | 3 | | 4 | 2 | 3 | 1 |
| 2 | 4 | | | 1 | | |
| | | 2 | 4 | 2 | | 1 |

Hint - These numbers are missing:

1 3 2 2 4 3 1 3

Name: _____

Fill in the missing numbers.

| | | | | |
|---|---|---|---|---|
| 3 | | | 4 | 3 |
| 2 | | 2 | | 2 |
| 4 | | 4 | | |
| 1 | 2 | 1 | 2 | 1 |

Hint - These numbers are missing:

1 3 1 4
4 3 3

| | | | | |
|---|---|---|---|---|
| 1 | 4 | 1 | 4 | 1 |
| | | | 2 | |
| 1 | | 1 | | 1 |
| | 3 | 2 | 3 | |

Hint - These numbers are missing:

2 4 3 2
3 2 3 4

| | | | |
|---|---|---|---|
| | | 1 | |
| 4 | 3 | 4 | |
| | | 2 | 1 |
| 3 | 4 | | |
| 1 | | 1 | 2 |

Hint - These numbers are missing:

1 2 4 2 1
3 2 2 3

| | | | |
|---|---|---|---|
| | | 2 | |
| | 3 | 4 | |
| 1 | 2 | | 2 |
| | | 4 | 3 |
| 2 | 1 | | |

Hint - These numbers are missing:

4 4 1 2 3
3 1 2 1 1

Name: _____

Write the final part of each math analogy.

$87 + 18 : \text{odd} :: 49 + 96 :$

Explain why you think your answer is correct.

$\text{BFBF} : \text{BF} :: \text{PCPC} :$

Explain why you think your answer is correct.

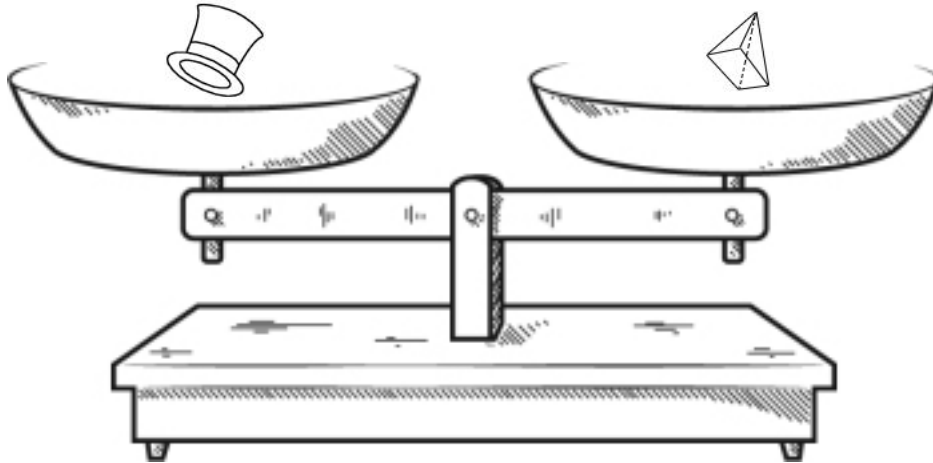
$\text{three sevens} : 21 :: \text{nine fives} :$

Explain why you think your answer is correct.

$\text{five sixths of twelve} : 10 :: \text{one fourth of twelve} :$

Explain why you think your answer is correct.

Name: _____



True False

True False

True False

True False

True False

True False

Did you find that two are true? If not, look again!

You should only mark TRUE if you are absolutely sure it is correct!

What is the least common multiple of 11 and 7?

$x - 10 = 8$

What is the greatest common factor of 2 and 6?

Insert a comma in the appropriate place in this sentence.
I didn't place in the track meet but I did my best.

$60 \div 10 =$

Name: _____

Each row, column, and box must have the numbers 1 through 9.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 9 | | | | | 7 | 4 |
| | 2 | | | | | | |
| | | | 6 | 4 | | 5 | 9 |
| 9 | | | 8 | 5 | | 4 | |
| | 4 | 6 | | 9 | | 8 | |
| | | | 6 | | | 7 | |
| | 6 | | | | | | |
| | 7 | | 5 | | 6 | 1 | 3 |
| | 3 | | 2 | 7 | 9 | | |

$$5\frac{7}{8} + 9\frac{4}{8}$$

Know how many inches in a foot? Okay, smarty pants, how many inches in 6 feet?

30, 40, 50, _____, 70, 80,

90

Insert a comma in the correct place in this sentence.

You are my new neighbor aren't you?

$$66 \div 6 =$$

Name: _____

| | | | | |
|---|----|----|----|-----|
| | x | - | = | |
| | C | B | C | 29 |
| + | C | C | ? | 812 |
| + | C | C | A | 821 |
| = | | | | |
| | 87 | 60 | 78 | |

Equations and Hints:

Each letter is a whole number.

Fill in the equations using the chart:

$$B + C + C = 60 \quad _ \times B - C = 29 \quad _ \times _ - _ = 821$$

$$_ + _ + _ = 87$$

Additional hints:

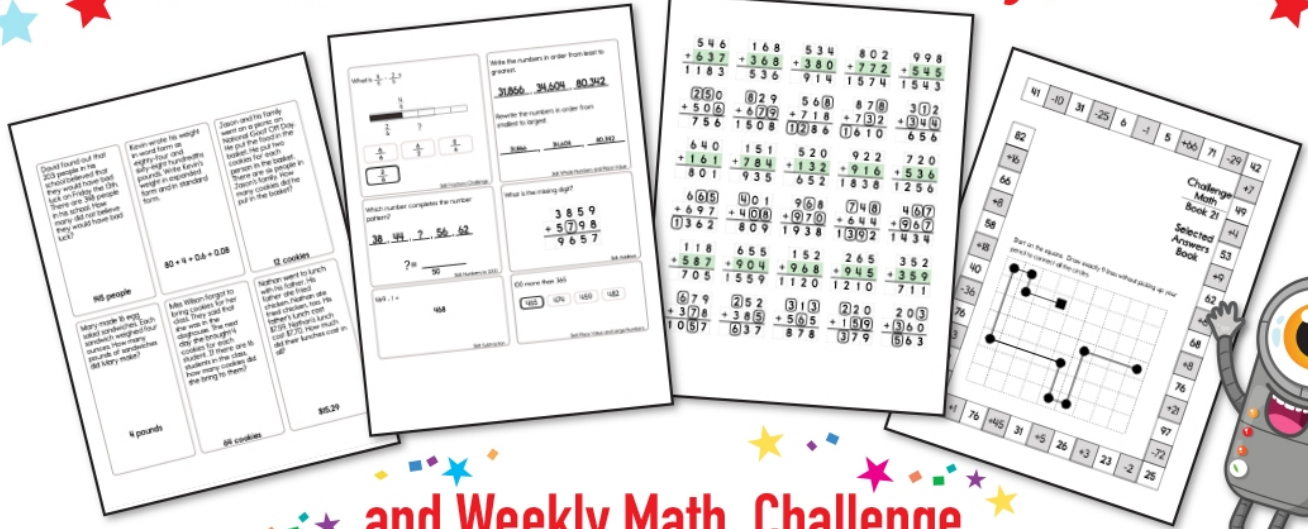
$$A > 14 \quad A = B + 18$$

Show Work:

Solve:

$$? = _$$

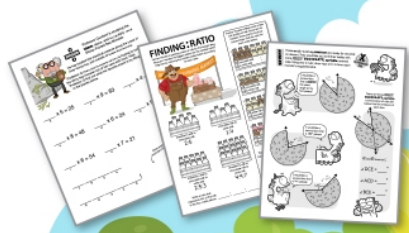
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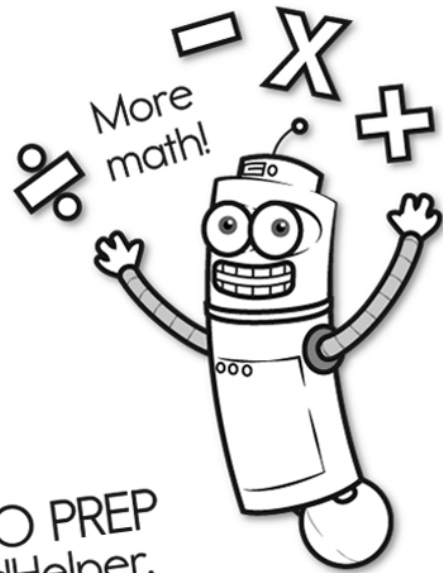
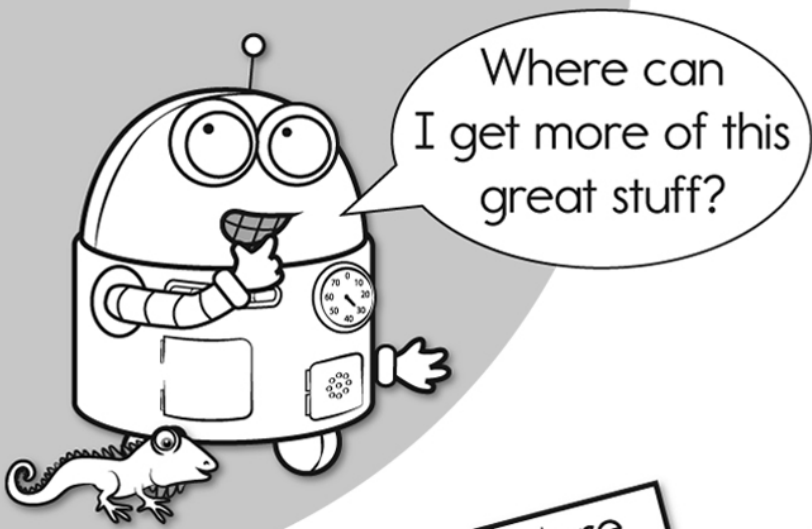
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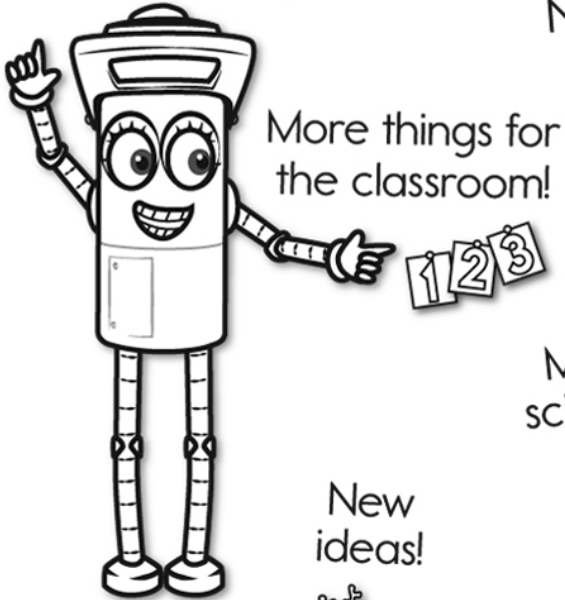
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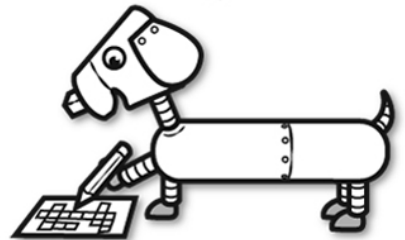


1 2 3



x
+ =
- ÷ < - >

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