









See-Saw Puzzles

I can find missing numbers in number sentences.








1. Which numbers have gone splat in this sequence? Can you fill them in by counting up in 3s?

0	3			12	15	18				30	33	
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2. Which numbers went splat in this sequence? Be careful!

Are we counting forwards or backwards?

48	44		36			24	20	16		8	4	
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3. Which number went splat in each of these calculations? Make the see-saws balance.

The first one is completed as an example.

a.	$8 \times \text{splat} = 32$ 	Answer = 4
b.	$12 \div 3 = \text{splat}$ 	Answer =

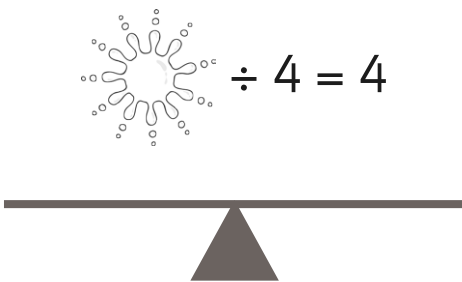
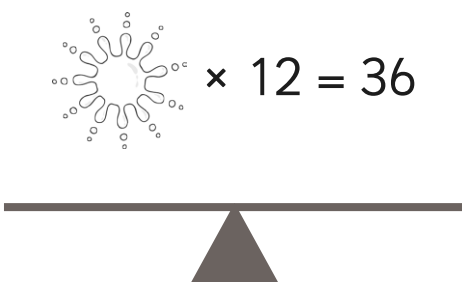


See-Saw Puzzles

c.	$16 \div \text{blob} = 8$ 	Answer =
d.	$\text{blob} \times 8 = 80$ 	Answer =
e.	$\text{blob} \times 5 = 40$ 	Answer =
f.	$6 \times 3 = \text{blob}$ 	Answer =

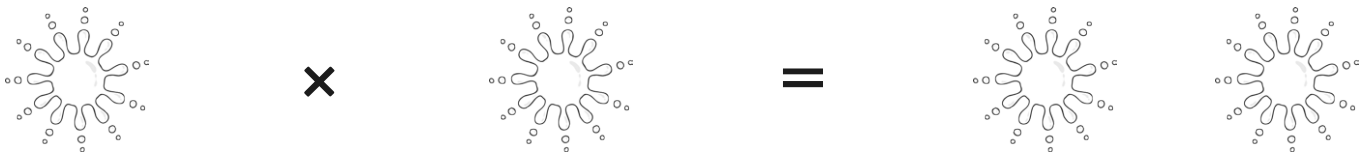


See-Saw Puzzles

g.		Answer =
h.		Answer =

4. How many different ways can you fill in these splats to make correct multiplication sentences from your 3, 4 and 8 multiplication tables?

Each splat stands for one digit.


$$\text{Splat} \times \text{Splat} = \text{Splat} \text{Splat}$$



See-Saw Puzzles

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1. Which number went splat in each of these calculations? Make the see-saws balance.

The first one is completed as an example.

a.	$8 \times \text{splat} = 4 \times 8$ 	Answer = 4
b.	$12 \div 3 = \text{splat}$ 	Answer =
c.	$16 \div \text{splat} = 8$ 	Answer =
d.	$\text{splat} \times 8 = 80$ 	Answer =



See-Saw Puzzles

e.	$\text{starburst} \times 5 = 40$	Answer =
f.	$6 \times 3 = \text{starburst}$	Answer =
g.	$\text{starburst} \div 4 = 4$	Answer =
h.	$\text{starburst} \times 12 = 36$	Answer =



See-Saw Puzzles

2. Which number went splat in each of these calculations?

Write answers in the boxes below each calculation

a.

$$\begin{array}{r} 1 \quad 1 \\ \times \quad \text{splat} \\ \hline 8 \quad 8 \end{array}$$

b.

$$\begin{array}{r} \text{splat} \\ \times \quad 3 \\ \hline 2 \quad 7 \end{array}$$

c.

$$\begin{array}{r} 8 \\ \times \quad 8 \\ \hline \text{splat} \quad 4 \end{array}$$

d.

$$\begin{array}{r} 1 \quad \text{splat} \\ \times \quad 4 \\ \hline 4 \quad 8 \end{array}$$

3. How many different ways can you fill in these splats to make correct multiplication sentences?

Each splat stands for one digit.

$$\text{splat} \times \text{splat} = \text{splat} \quad \text{splat}$$







See-Saw Puzzles

I can find missing numbers in number sentences.



1. Which number went splat in each of these calculations? Make the see-saws balance.

The first one is completed as an example.

a.	$8 \times \text{splat} = 4 \times 8$ 	Answer = 4
b.	$12 \div 3 = \text{splat} \div 11$ 	Answer =
c.	$12 \div \text{splat} = 32 \div 8$ 	Answer =
d.	$\text{splat} \times 8 = 4 \times 10$ 	Answer =



See-Saw Puzzles

e.	$80 \div \text{sun} = 2 \times 5$ 	Answer =
f.	$6 \times 30 = \text{sun}$ 	Answer =
g.	$\text{sun} \div 4 = 32 \div 8$ 	Answer =
h.	$\text{sun} \times 12 = 9 \times 4$ 	Answer =



See-Saw Puzzles

2. Which number went splat in each of these calculations?

Write answers in the boxes below each calculation

a.
$$\begin{array}{r} 13 \\ \times \quad \text{splat} \\ \hline 104 \\ \hline 2 \end{array}$$

b.
$$\begin{array}{r} 1 \text{ splat} \\ \times \quad 3 \\ \hline 45 \\ \hline 1 \end{array}$$

c.
$$\begin{array}{r} \text{splat} 8 \\ \times \quad 8 \\ \hline 144 \\ \hline 6 \end{array}$$

d.
$$\begin{array}{r} 2 \text{ splat} \\ \times \quad 4 \\ \hline 104 \\ \hline 2 \end{array}$$

3. How many different ways can you fill in these splats to make correct multiplication sentences?

Each splat stands for one digit.

	$\begin{array}{r} \text{splat} \\ \times \quad \text{splat} \\ \hline \text{splat} \end{array}$	$\begin{array}{r} \text{splat} \\ \times \quad \text{splat} \\ \hline \text{splat} \end{array}$
$\begin{array}{r} \text{splat} \\ \times \quad \text{splat} \\ \hline \text{splat} \end{array}$	$\begin{array}{r} \text{splat} \\ \times \quad \text{splat} \\ \hline \text{splat} \end{array}$	$\begin{array}{r} \text{splat} \\ \times \quad \text{splat} \\ \hline \text{splat} \end{array}$



See-Saw Puzzles Answers

1.

0	3	6	9	12	15	18	21	24	27	30	33	36
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2.

48	44	40	36	32	28	24	20	16	12	8	4	0
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3.

- a. **4**
- b. **4**
- c. **2**
- d. **10**
- e. **8**
- f. **18**
- g. **16**
- h. **3**

4. **Multiple answers possible**



See-Saw Puzzles Answers

1.

a. **4**

e. **8**

b. **4**

f. **18**

c. **2**

g. **16**

d. **10**

h. **3**

2.

a. **8**

b. **9**

c. **6**

d. **2**

3. **Multiple answers possible**



See-Saw Puzzles Answers

1.

a. **4**

e. **8**

b. **44**

f. **180**

c. **4**

g. **16**

d. **5**

h. **3**

2.

a. **8**

b. **5**

c. **1**

d. **6**

3. **Multiple answers possible**