Happy Printables

Summer Pack 2021

Grade 4

HappyNumbers.com

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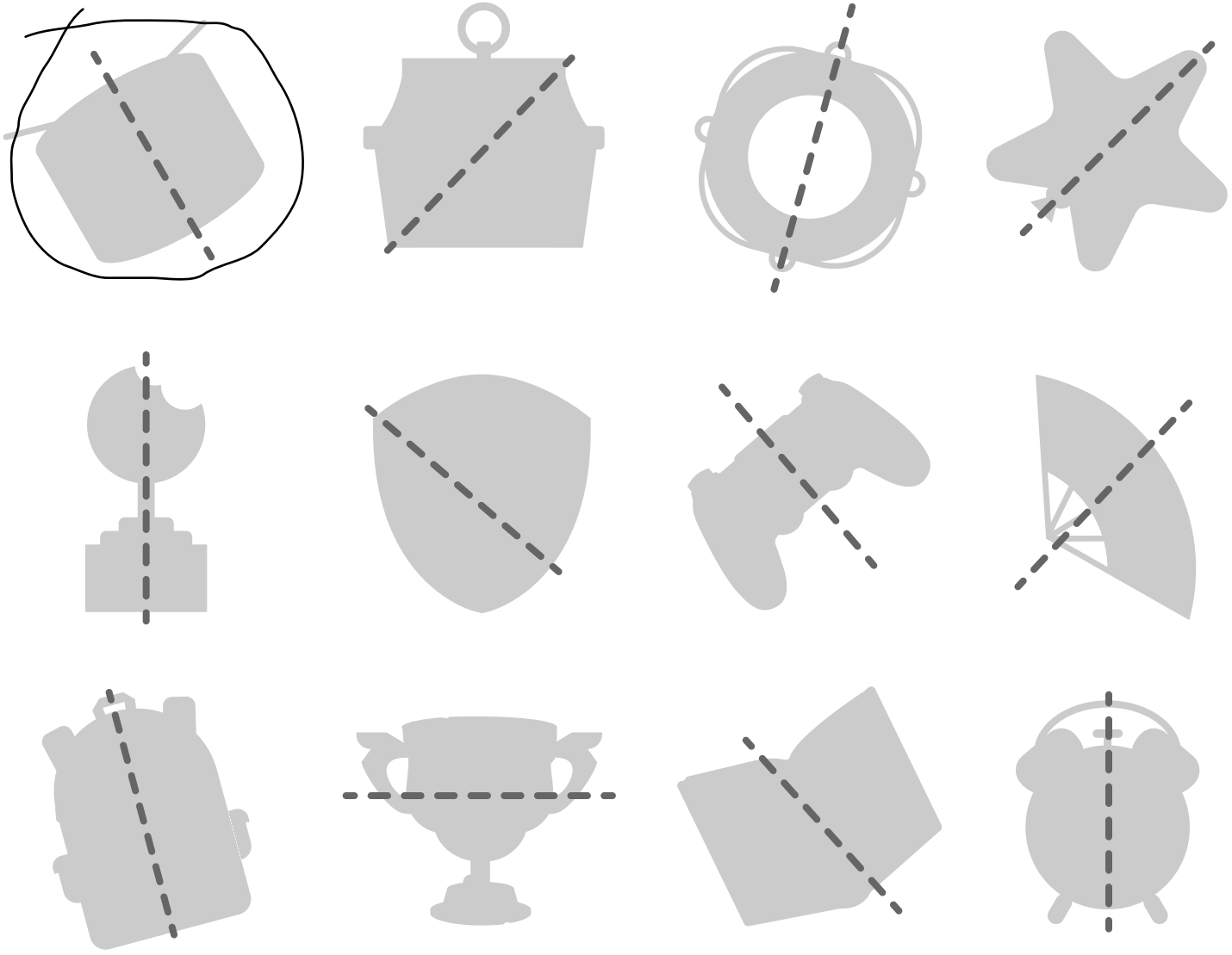
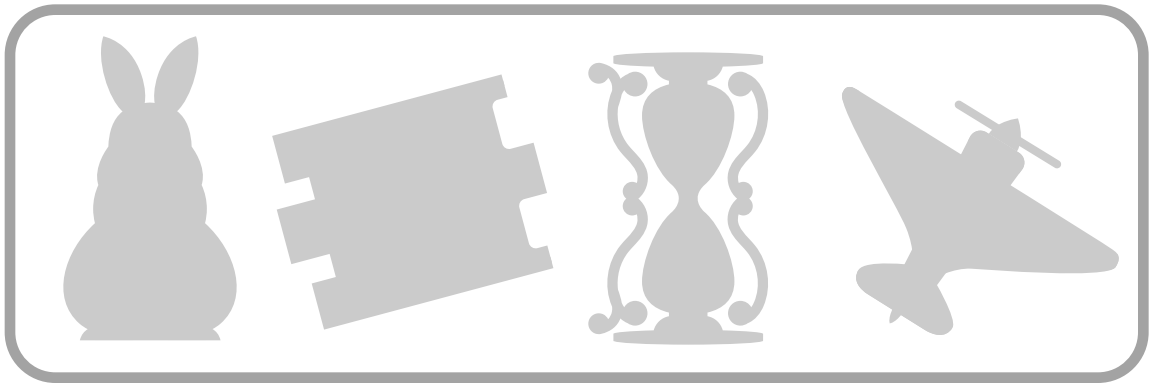
Name _____

Symmetry Challenge

Circle a figure if the line represents a line of symmetry.



Draw a line of symmetry for each shape below.

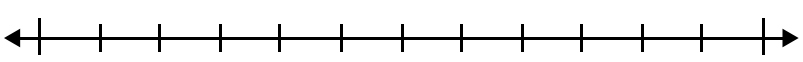


Name _____

Museum Data

Drew asked friends how many times they went to the the museum last month. Use the table below to create a line plot.

Number of Trips	Number of Friends
0	4
2	2
4	3
5	7



Number of Trips

 Name _____

Missing Map

Dino got a map of an unknown planet. During the transmission all the colors were lost. Dino knows that the color of each shape depends on its area. Help Dino to recreate the map.

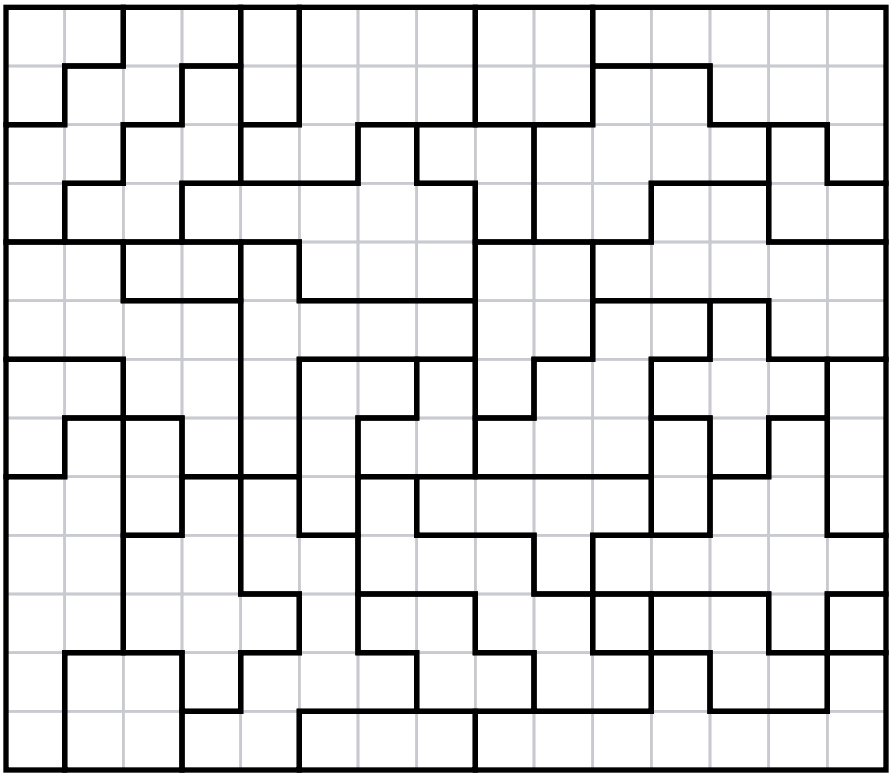
☐ = 1 sq km

Mountains are **red** and have an area from 1 to 3 sq km

Lakes are **blue** and have an area from 4 to 5 sq km

Forests are **green** and have an area from 6 to 8 sq km

Deserts are **yellow** and have an area of 9 sq km



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The Lawn Competition

Dino's neighbors want to know who has the biggest lawn. There are two prizes: the largest area and the largest perimeter. Help them to calculate sizes and find the winners!

area = *l* × *w* *perimeter* = 2 × (*l* + *w*)

Bumbly

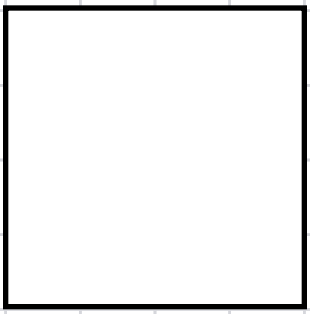
is 1 meter long

area = 3 × 2 = ___ sq m

perimeter = 2 × (3 + 2)

= 2 × ___ = ___ m

Granny



area = ___ × ___ = ____ sq m

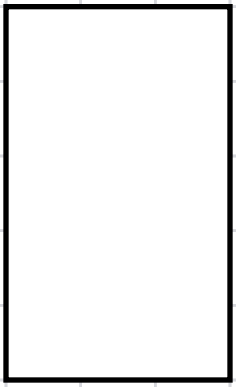
perimeter = 2 × (___ + ___) = ____ m

Captain

area = ___ × ___ = ____ sq m

perimeter = 2 × (___ + ___) = ____ m

Stretch



area = ___ × ___ = ____ sq m

perimeter = 2 × (___ + ___) = ____ m

Find the winners!

Perimeter Cup goes to _____

Area Cup goes to _____

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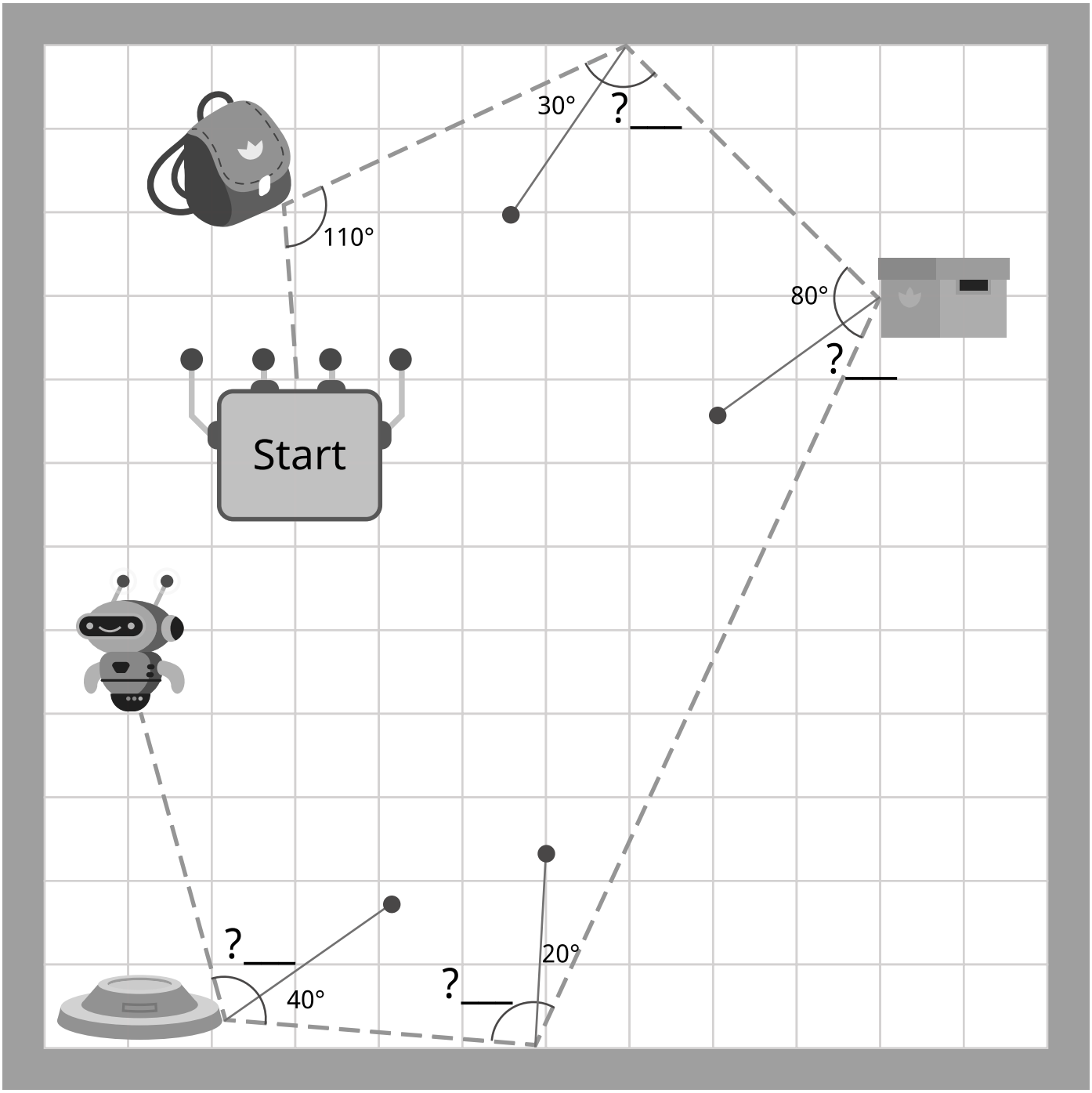
Rebounding Robot

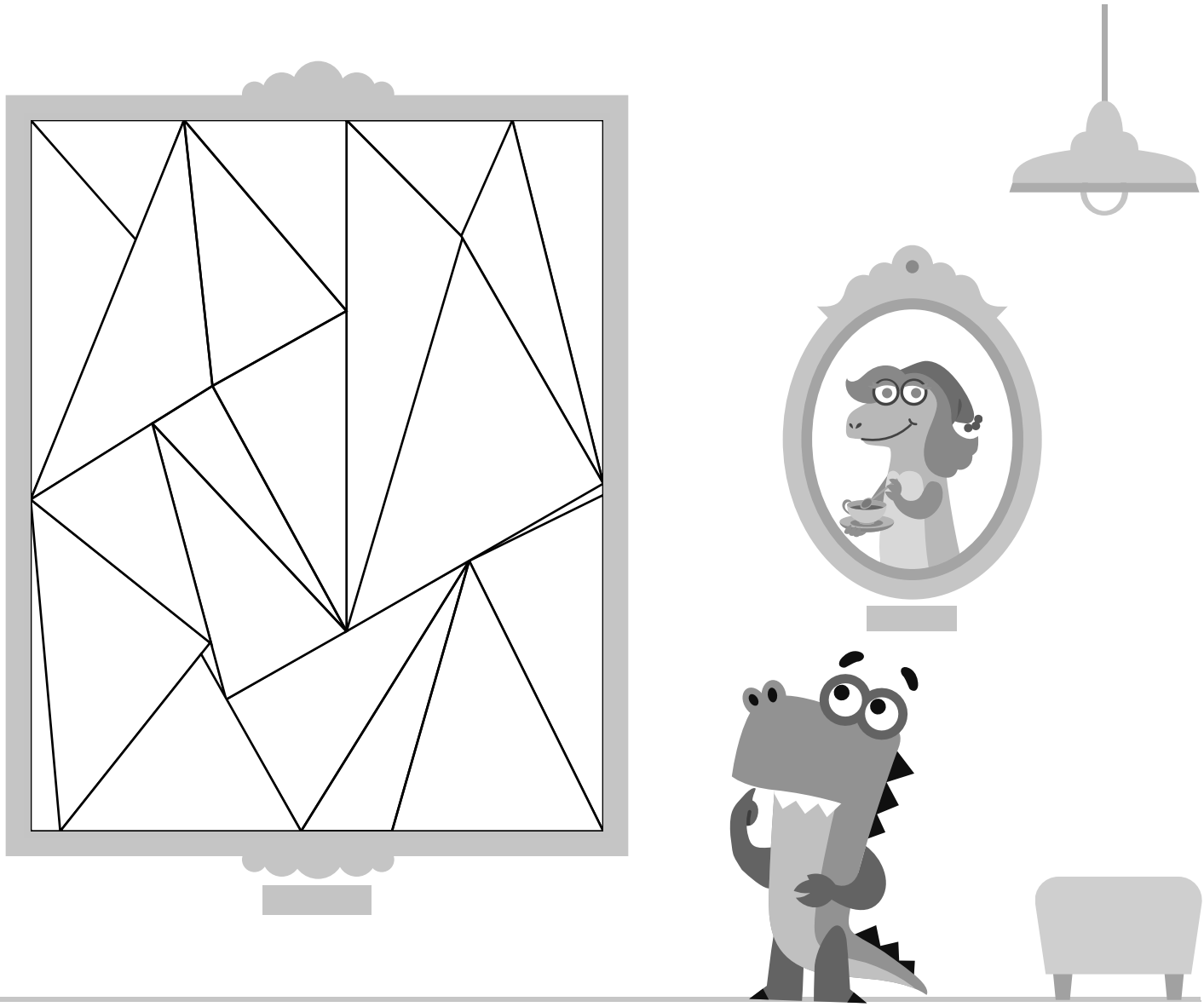
The robot is moving around the room. Its path is marked by a dotted line. When the robot hits something, it turns 110 degrees. Find all missing angles.



 Name _____

Direct art

Dino is at the modern art gallery. Help him find out how many right angles are in the painting. Shade all triangles with right angles and count them.



How many right angles are there? ☐

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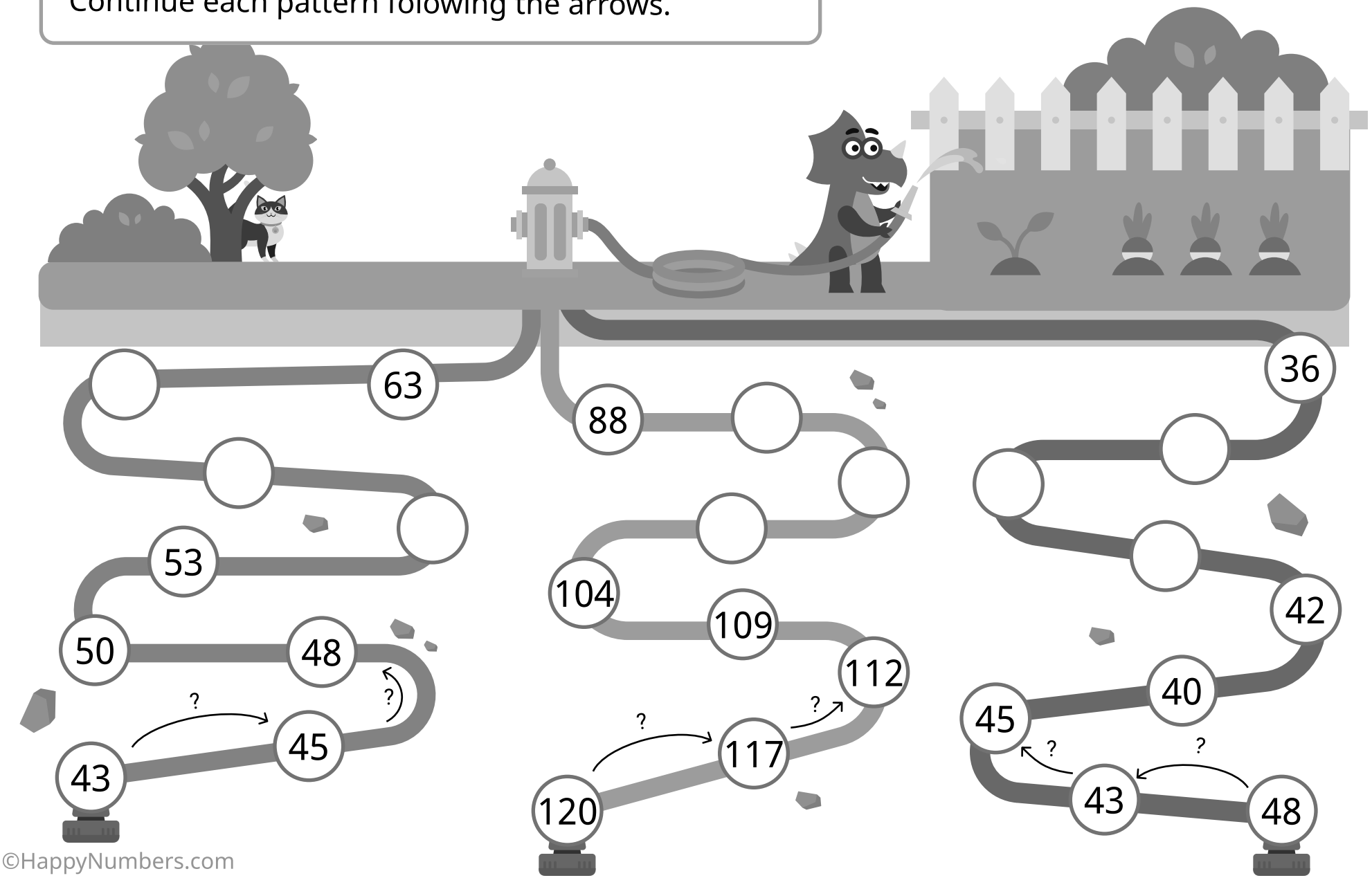
Water the Plants

Continue each pattern folowing the arrows.



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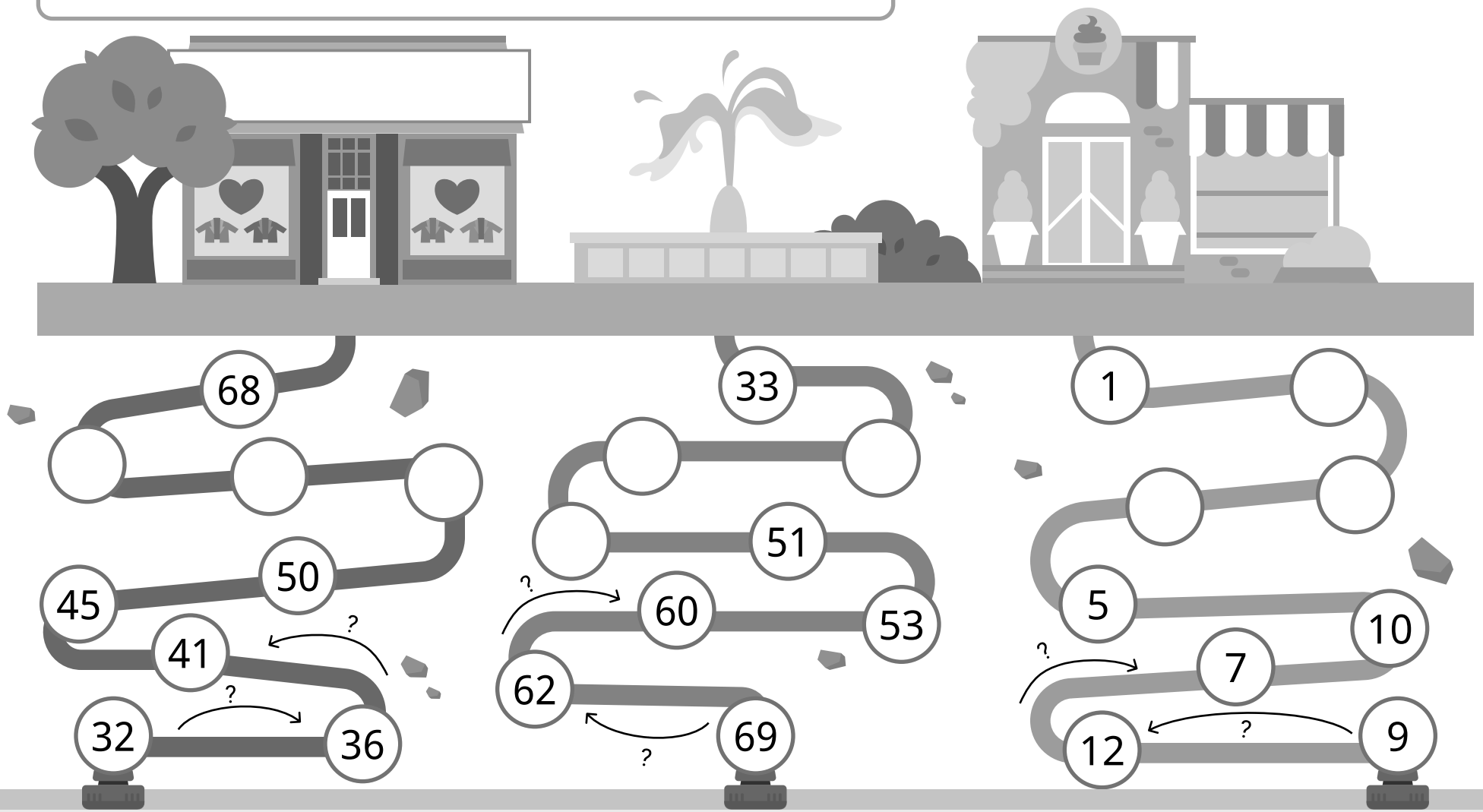
Fix the Plumbing

Continue each pattern folowing the arrows.



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Which One Doesn't Belong?

Cross off the number that does not belong in the pattern. Tell why it does not belong.

30 32 ~~33~~ 34 36

Why does 33 not belong in the pattern?

23 32 41 48 50

Why does _____ not belong in the pattern?

44 51 55 58 65

Why does _____ not belong in the pattern?

97 92 94 91 88

Why does _____ not belong in the pattern?

64 59 54 49 42

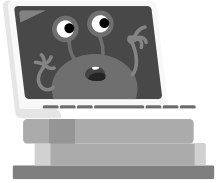
Why does _____ not belong in the pattern?

Name _____

Hidden Addition

Find and color four more addition facts with three-digit numbers.

	6	3	5	7	9	1	6	2	7	4
+	2	8	3	1	4	8	3	1	6	1
=	9	1	8	6	8	1	6	4	2	5
	3	2	5	4	1	6	9	5	8	7
	7	3	5	2	8	7	6	1	3	9
	5	8	2	6	3	4	8	7	4	8
	9	6	3	9	2	1	2	1	2	5
	4	4	2	9	1	3	5	8	7	3
	2	5	3	7	4	6	9	2	4	7
	7	9	6	6	8	0	8	1	2	8



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Mystery Picture

Color the grid according to the product. Use the color key below.

Orange 1,000 2,000 5,000 6,000 9,000

Blue 4,000 **Brown** 3,000 7,000 8,000

Blank all other answers

900 × 10 → 9,000 → orange

100 × 10	4 × 2	3 × 3	5 × 7	2 × 9	600 × 10	8 × 3	1 × 1	3 × 3	7 × 4	8 × 3	5 × 6
200 × 10	900 × 10	8 × 3	4 × 2	500 × 10	10 × 100	9 × 2	6 × 4	6 × 4	9 × 2	1 × 1	9 × 2
60 × 100	20 × 100	3 × 1 000	8 × 1,000	6 × 1,000	2 × 1,000	9 × 2	5 × 7	2 × 9	8 × 3	3 × 3	5 × 6
1 × 1,000	7 × 1,000	1,000 × 2	50 × 100	3 × 1,000	5 × 1,000	5 × 6	4 × 2	6 × 4	2 × 9	5 × 7	7 × 4
1,000 × 5	200 × 10	600 × 10	90 × 100	20 × 100	500 × 10	8 × 3	7 × 4	3 × 3	6 × 4	7 × 4	6 × 4
8 × 3	1,000 × 4	4 × 1,000	4 × 1,000	1,000 × 4	2 × 9	3 × 3	5 × 6	2 × 9	5 × 6	4 × 2	8 × 3
2 × 9	9 × 1,000	1,000 × 1	8 × 1,000	50 × 100	3 × 1,000	2 × 1,000	7 × 1,000	1,000 × 2	8 × 1,000	1 × 1	4 × 2
7 × 4	200 × 10	60 × 100	7 × 1,000	10 × 100	8 × 1,000	5 × 1,000	3 × 1,000	1,000 × 9	7 × 1,000	1,000 × 5	5 × 7
3 × 3	1,000 × 1	900 × 10	6 × 1,000	500 × 10	20 × 100	90 × 100	2 × 1,000	9 × 1,000	5 × 7	3 × 1,000	9 × 2
8 × 3	50 × 100	1,000 × 2	100 × 10	1,000 × 9	600 × 10	1 × 1,000	200 × 10	900 × 10	1 × 1	60 × 100	5 × 6
5 × 7	3 × 1,000	5 × 6	100 × 10	4 × 2	5 × 7	8 × 1,000	2 × 9	20 × 100	7 × 4	7 × 1,000	2 × 1,000
4 × 2	7 × 1,000	7 × 4	1,000 × 2	2 × 9	3 × 3	70 × 100	4 × 2	100 × 10	8 × 3	6 × 4	2 × 9

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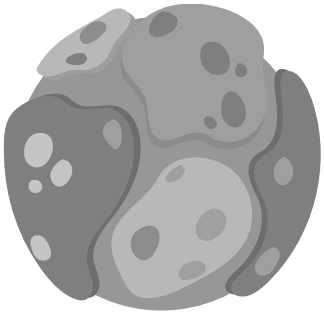
Out of This World

Find the factors for each number. Use the multiplication table to crack the code and learn the asteroid's name.



M							
2000	800	1500	2800	3600	4800	1200	2500
=	=	=	=	=	=	=	=
4 x 500	2 x __	__ x 300	__ x __	__ x __	__ x __	__ x __	__ x __

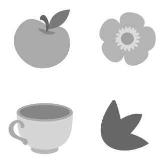
	200	300	400	500	600	700	800
2	O	S	E	V	L	I	F
4	E	L	W	M	J	T	K
5	F	A	N	L	S	D	H
6	L	O	Z	R	B	U	A
8	X	C	K	U	I	W	H

 Name ____________________

Crack the Code

Decode the numbers and solve the multiplication.

1 2 3 4 5 6 7 8 9 0



x 4 1
5 2

+

x

+

x

+

x

+

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Hungry Raccoon

Help the raccoon find the yummiest treat. Start from the racoon's number. Then draw arrows to the three **closest** boxes in the next row. Circle the **greatest number** of these three. Repeat the steps until you find the treat.

1,079	538	563	823	**1,238**	921	1,228	1,173	1,000
1,166	2,239	2,024	1,959	2,106	**2,167**	923	429	1,721
3,284	3,810	2,567	3,743	**3,656**	3,527	1,402	3,026	3,934
5,610	3,701	4,255	4,239	4,492	4,455	2,701	620	6,002
5,404	6,620	3,204	5,152	4,492	5,092	1,187	3,702	5,274
6,921	7,241	5,820	6,021	6,211	6,415	5,082	6,862	6,623
2,829	5,295	7,792	5,013	7,604	7,640	7,901	3,479	112
9,013	5,446	7,255	8,791	8,202	8,644	4,272	329	8,434
9,425	2,559	8,267	9,108	9,007	8,992	4,535	11	5,701

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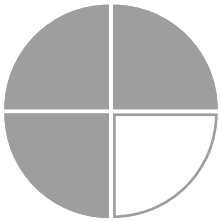
The Mouse Takes the Cheese

There were 8 cheese wheels. The mouse ate some slices from each cheese wheel. What fraction of each one did the mouse eat? What is left?

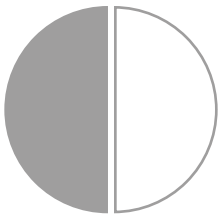


Mouse ate $\frac{1}{4}$

Cheese left $\frac{3}{4}$

Mouse ate $\frac{\square}{3}$

Cheese left $\frac{\square}{3}$

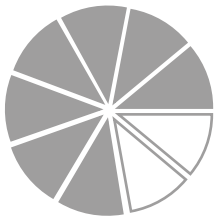


Mouse ate $\frac{\square}{2}$

Cheese left $\frac{\square}{\square}$

Mouse ate $\frac{\square}{\square}$

Cheese left $\frac{\square}{5}$



Mouse ate $\frac{2}{\square}$

Cheese left $\frac{\square}{\square}$

Mouse ate $\frac{\square}{7}$

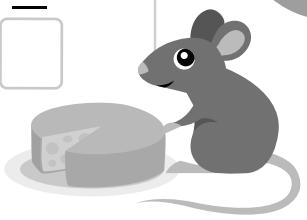
Cheese left $\frac{\square}{\square}$

Mouse ate $\frac{\square}{\square}$

Cheese left $\frac{\square}{\square}$

Mouse ate $\frac{\square}{\square}$

Cheese left $\frac{\square}{\square}$



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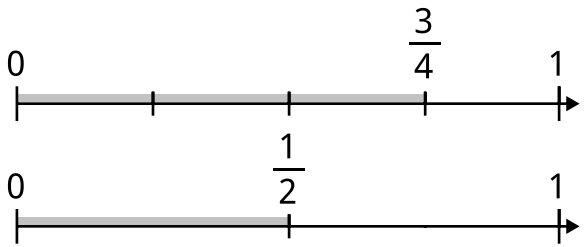
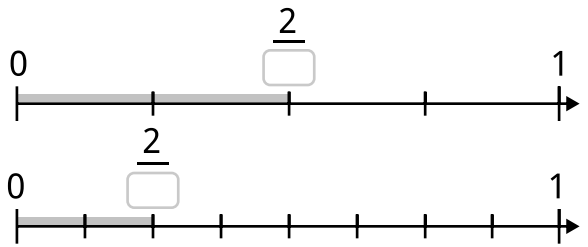
Greater or Less Than

Compare the fractions using <, =, or >. Use the number lines to compare.

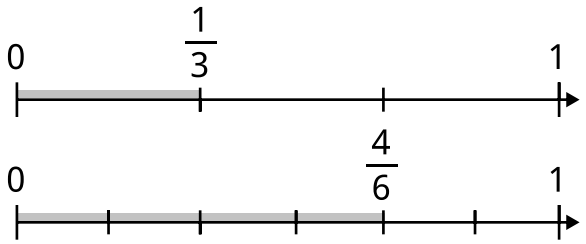
$\frac{3}{4} > \frac{1}{2}$



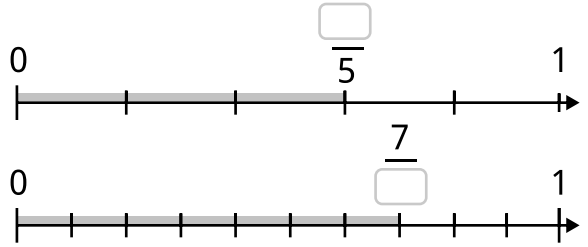
$\frac{2}{\square} \square \frac{2}{\square}$



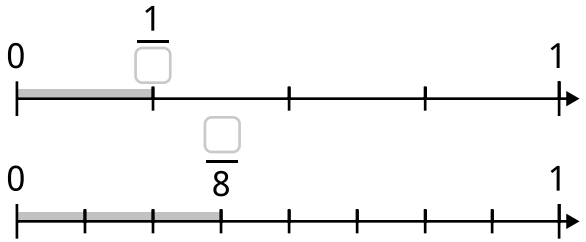
$\frac{1}{3} \square \frac{4}{6}$



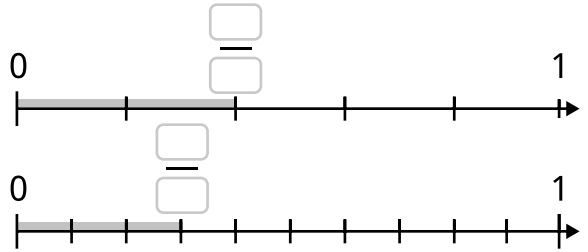
$\frac{\square}{5} \square \frac{7}{\square}$



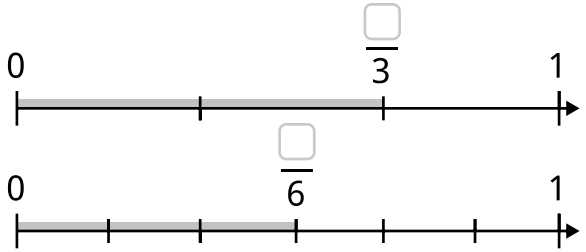
$1 \square \frac{\square}{8}$



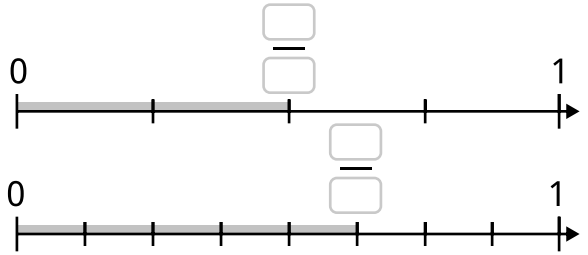
$\frac{\square}{\square} \square \frac{\square}{\square}$



$\frac{\square}{3} \square \frac{\square}{6}$



$\frac{\square}{\square} \square \frac{\square}{\square}$



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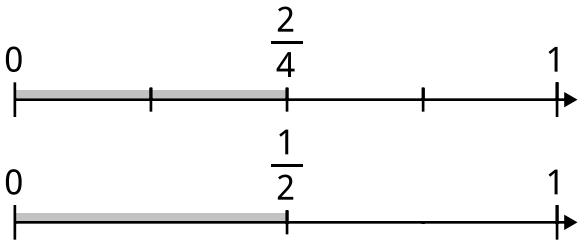
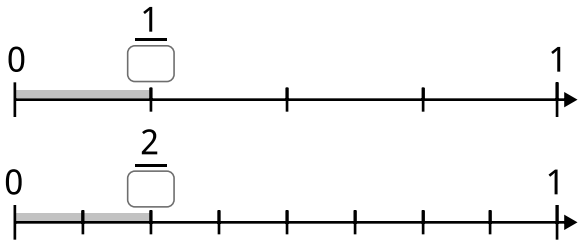
Equivalent Fractions

Find equivalent fractions on the number lines and fill in the blanks.

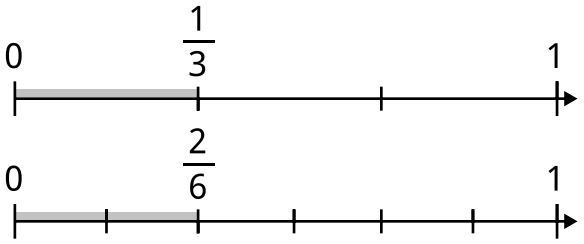
$\frac{2}{4} = \frac{1}{2}$



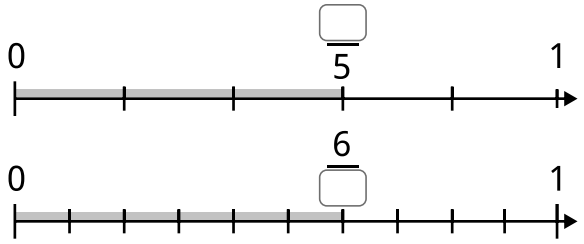
$\frac{1}{\square} = \frac{2}{\square}$



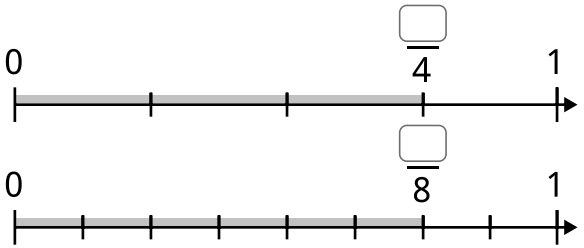
$\frac{1}{\square} = \frac{\square}{6}$



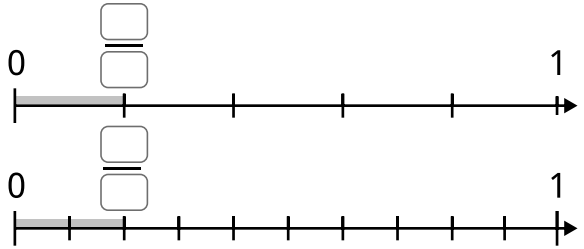
$\frac{\square}{5} = \frac{6}{\square}$



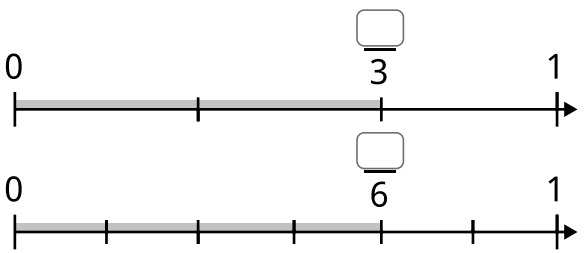
$\frac{\square}{4} = \frac{\square}{8}$



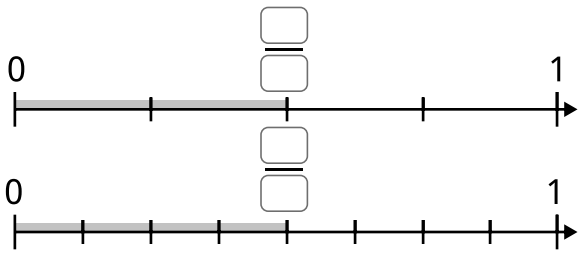
$\frac{\square}{\square} = \frac{\square}{\square}$



$\frac{\square}{3} = \frac{\square}{6}$



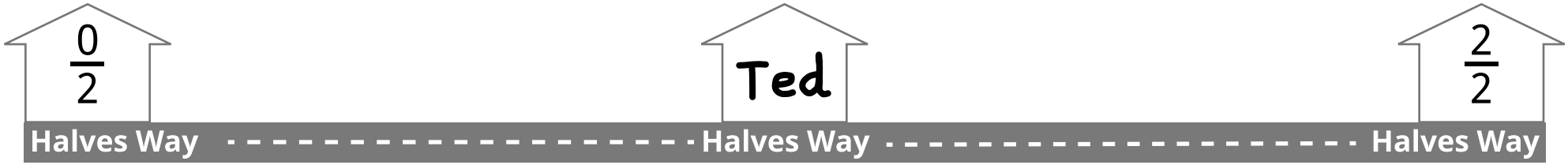
$\frac{\square}{\square} = \frac{\square}{\square}$

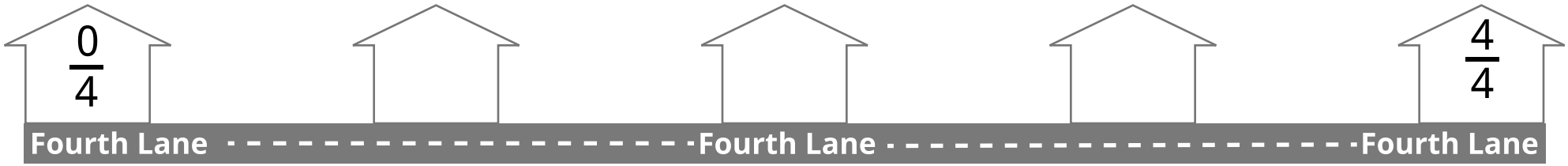


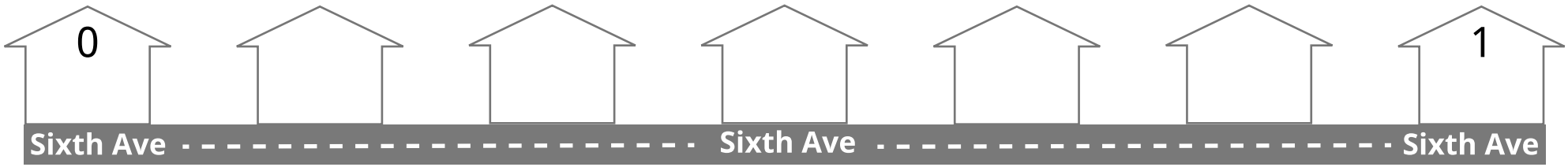
Name _____

Where do you live? – Page 1

Label each person's house according to the directions on page 2.







Name _____

Where do you live? – Page 2

Follow the directions below to label the houses on page 1.

Ted lives in the middle of Halves Way.

Joe lives at 1/3 Thirds Drive.

Kathy lives at 2/3 Thirds Drive.

Stacy lives at 2/4 Fourth Lane.

Chang lives at 3/4 Fourth Lane.

Sarah lives at 1/6 Sixth Ave.

Maggie lives at 4/6 Sixth Ave.

Simon lives at 5/6 Sixth Ave.

Niya lives at 2/8 Eighths Street.

Sam lives at 3/8 Eighths Street.

Lu lives at 7/8 Eighths Street.

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Fixing Errors

Bumbly made some mistakes on long division calculations.
Correct the mistakes.
From the correct remainders finish a fact about Venus.

$$\begin{array}{r} 24 \;\; 3 \\ 7\overline{)161} \\ -14 \\ \hline 28 \;\; 1 \\ -28 \;\; 1 \\ \hline 0 \end{array}$$

2

$$\begin{array}{r} 37\ \text{R}4 \\ 5\overline{)159} \\ -12 \\ \hline 39 \\ -35 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 46 \\ 3\overline{)135} \\ -12 \\ \hline 18 \\ -18 \\ \hline 0 \end{array}$$

3

$$\begin{array}{r} 45\ \text{R}0 \\ 4\overline{)183} \\ -16 \\ \hline 20 \\ -20 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 345 \\ 8\overline{)2760} \\ -23 \\ \hline 46 \\ -40 \\ \hline 60 \\ -40 \\ \hline 0 \end{array}$$

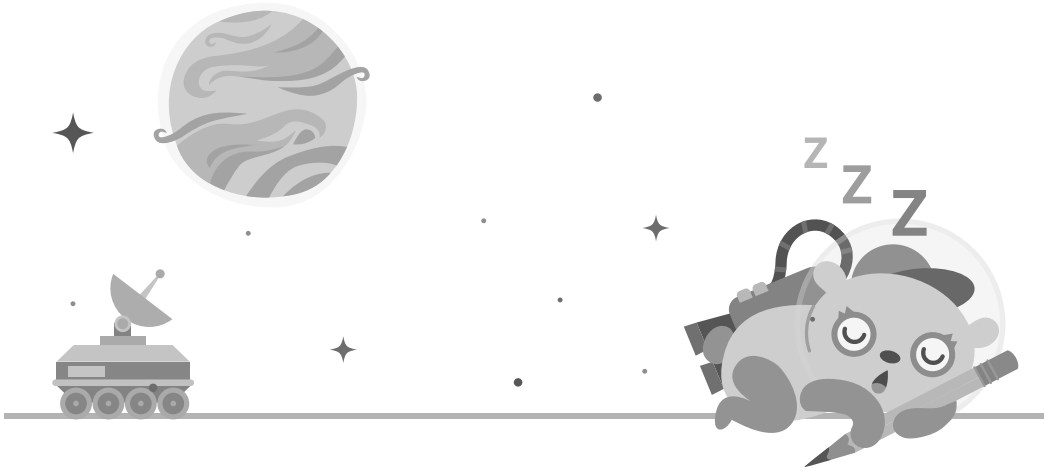
$$\begin{array}{r} 152 \\ 9\overline{)1359} \\ -\ 9 \\ \hline 45 \\ -44 \\ \hline 19 \\ -19 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 324 \\ 5\overline{)1675} \\ -15 \\ \hline 17 \\ -15 \\ \hline 20 \\ -20 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 251 \\ 4\overline{)1024} \\ -\ 8 \\ \hline 20 \\ -20 \\ \hline 04 \\ -\ 4 \\ \hline 0 \end{array}$$

1

$$\begin{array}{r} 22\ \text{R}4 \\ 9\overline{)200} \\ -18 \\ \hline 20 \\ -16 \\ \hline 4 \end{array}$$



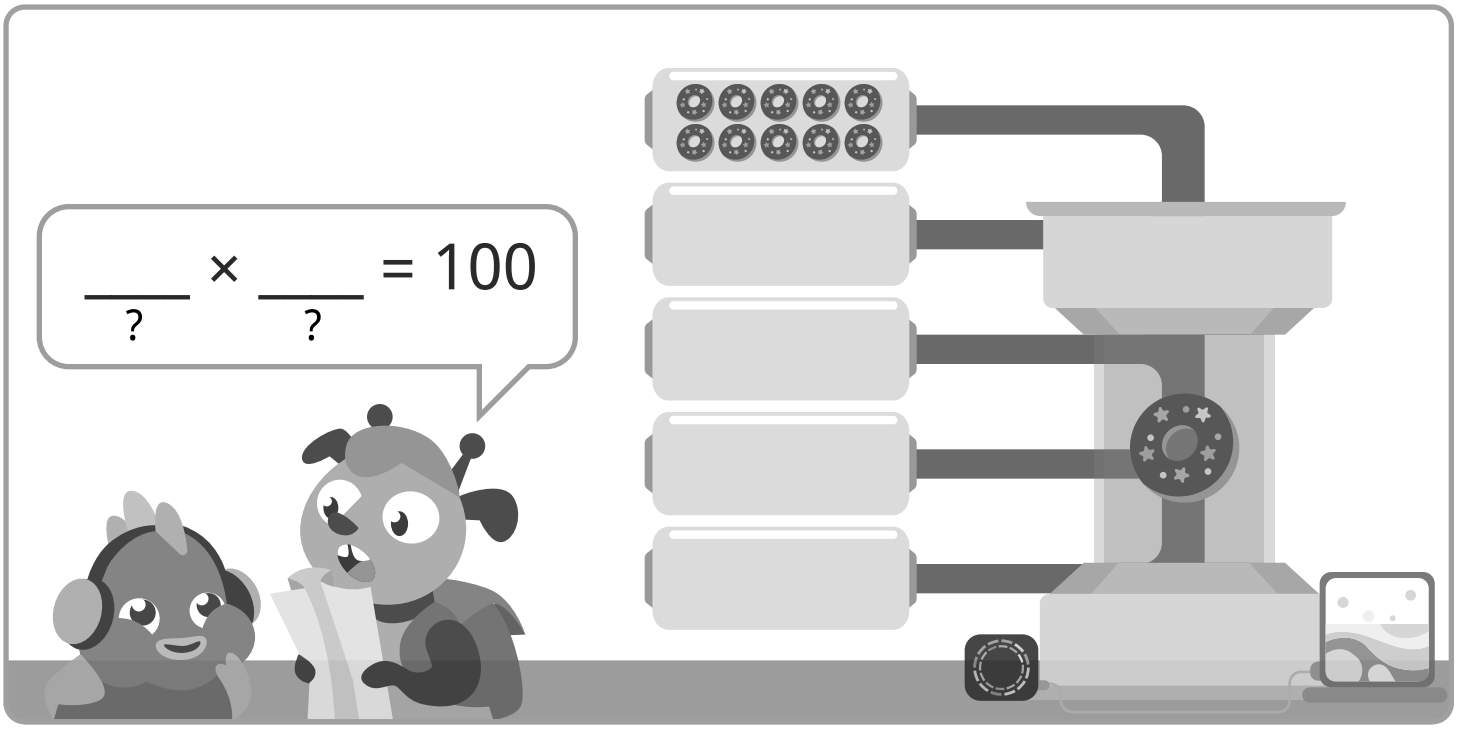
On Venus, one day lasts ___ ___ ___ Earth days

1 2 3

 Name _____

Donut Problems

Use the picture to create your own multiplication story problem.
Use you own numbers, but the answer should be 100.



Happy Printables

Name _____

Longest Flight

1) Make 6 paper airplanes and give them names.
2) Send your paper airplane flying and measure the distance traveled in steps. Write it down in the table.
3) Record the data on the line plot.

	Airplane name	Steps
1	Fluffy Eagle	5
2		
3		
4		
5		
6		
7