

Explore the relationship between division and multiplication by building fact families.
CCSS.MATH.CONTENT.3.OA.A.4 | G3M2C11E1

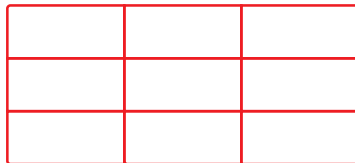
Jinx, Todd, and Count Moon had a great time at the campsite. Count Moon suggests a great idea. How about setting up a store with all the campsite equipment? Let's do it!

1

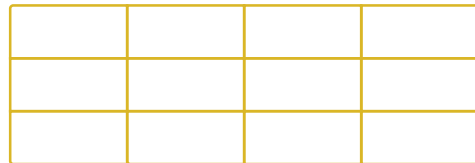
Jinx arranges two different cabinets in the shop.



Cabinet 1



Cabinet 2

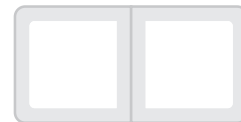


Count the number of red racks. Write your answer in the given box.



racks

Count the number of yellow racks. Write your answer in the given boxes.



racks

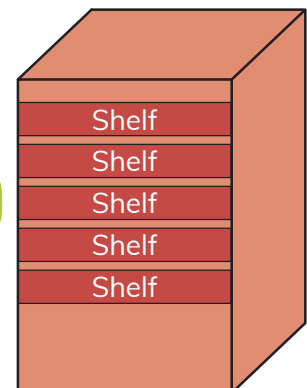
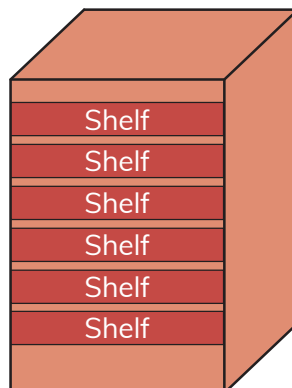
Circle the cabinet that has an odd number of racks.

Cabinet 1

Cabinet 2

2

Check ☒ the cupboard with an even number of shelves.



Explore the relationship between division and multiplication by building fact families.
CCSS.MATH.CONTENT.3.OA.A.4 | G3M2C11E1

- 3 Count Moon wants to arrange 40 backpacks equally in 5 racks. How many backpacks can be kept in each rack? Write your answer in the boxes given below.



Total number
of backpacks

÷

5

=



Number of
backpacks
in each rack



Circle the correct multiplication equation(s) for the above division equation.

$$8 \times 5 = 40$$

$$5 \times 6 = 40$$

$$5 \times 8 = 40$$

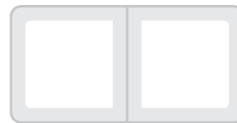
- A Todd arranges 2 hiking ropes in one counter. How many counters does he need to place 20 ropes? Write your answer in the boxes given below.



2 ropes
in one counter

2

×



Number
of counters

=

20

Total number
of ropes

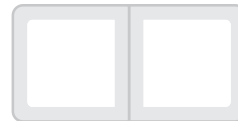
Complete the division equation.

20

÷

2

=



Total number
of ropes

Number of ropes
in one counter

Number
of counters



Explore the relationship between division and multiplication by building fact families.
CCSS.MATH.CONTENT.3.OA.A.4 | G3M2C11E1

The new camping items to be displayed have arrived. Let's help Jinx place them in the store since the opening day is around the corner.

1

Jinx's book of spells suggests the fourth odd day of the month as the opening day. Check ☒ the correct date.


 9

 7

 5

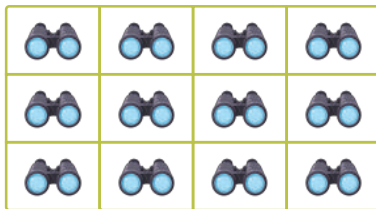
The numbers that are not completely divisible by 2 and leave a remainder are called odd numbers. Circle the correct option.

Yes

No

2

Todd counts the number of binoculars they receive. The total number of binoculars shown in the image below is _____. Circle the correct option.

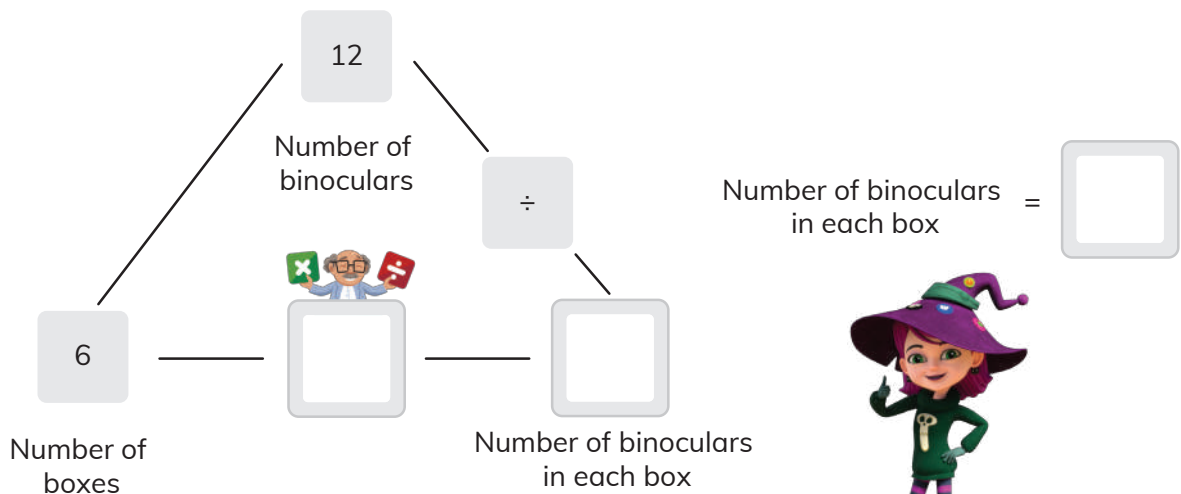


even

odd



If same number of binoculars are packed in 6 boxes, then find the number of binoculars in each box. Write your answer in the boxes given below.



Explore the relationship between division and multiplication by building fact families.
CCSS.MATH.CONTENT.3.OA.A.4 | G3M2C11E1

3

18 folding tents are equally arranged in 6 racks. How many tents are there in each rack? Write your answer in the boxes given below.

18

÷


6

Total number of tents

Total number of racks

=

Number of tents in each rack



18

÷

6

×

÷

Match the multiplication and division equations with the correct options.



$18 \div 3 = 6$

$6 \times 3 = 18$

$3 \times 6 = 18$

$18 \div 6 = 3$

A

Help Todd arrange 40 water bottles on the display counter. Write your answer in the boxes given below.



Number of bottles in one counter

Number of counters

Total number of bottles



2

×

=

40



4

×

=

40



8

×

=

40

Explore the relationship between division and multiplication by building fact families.
CCSS.MATH.CONTENT.3.OA.A.4 | G3M2C11E1

After arranging the new items for display, Jinx wants to make a cupboard to store the left out items. Let's help her.

Step 1:

Check ☒ the total number of shelves you want in the cupboard.

 5

 6

 7

Step 2:

Check ☒ the number of items you want to put in each shelf.

 4

 3

 2

The number of items you have selected is _____. Circle the correct option.

even

odd

Step 3:

Find the total number of items you can put in the cupboard. Write your answer in the boxes given below.



Number of
items in one shelf



Number
of shelves

=

Total number
of items



Number of
shelves

Number of
items in one shelf

=

Total number
of items



Explore the relationship between division and multiplication by building fact families.
CCSS.MATH.CONTENT.3.OA.A.4 | G3M2C11E1

Step 4:

Write the division equation for the given multiplication equation (from the previous page).



Total number
of items

÷



Number of
shelves

=



Number of
items in one shelf



Total number
of items

÷



Number of
items in one shelf

=



Number of
shelves



Let's arrange the items in the cupboard.

Guidelines:

- Color the chosen number of items (from **Step 2**) in the number of shelves you have selected in **Step 1**.
- Follow the color code given on top of the table.

Number of shelves in the cupboard.

Number of items in each shelf

Color green	Color blue	Color red	Color black	Color green	Color blue	Color red



Thank you for your help! The cupboard looks perfect.

