Richard has 6 cookies. He wants to give $\frac{1}{3}$ of his cookies to a friend.

To do so, he shares the cookies equally onto 3 plates.

There are 3 equal groups, so each group is $\frac{1}{3}$ of 6. There are 2 cookies in each group, so $\frac{1}{3}$ of 6 is 2.

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1. How many plates should Richard use to divide his cookies if he wants to give away ...

    a)   ... $\frac{1}{2}$ of his cookies.   b)   ... $\frac{1}{4}$ of his cookies.   c)   ... $\frac{1}{5}$ of his cookies.

    _____ plates   _____ plates   _____ plates

2. Find the fraction of the whole amount by sharing the cookies equally. The first one is started for you.
    HINT: Draw the correct number of plates then place the cookies one at a time.

    a)   Find $\frac{1}{4}$ of 8 cookies.   b)   Find $\frac{1}{2}$ of 10 cookies.

    $\frac{1}{4}$ of 8 is _____ $\frac{1}{2}$ of 10 is _____

    c)   Find $\frac{1}{2}$ of 4 cookies.   d)   Find $\frac{1}{3}$ of 9 cookies.

    $\frac{1}{2}$ of 4 is _____ $\frac{1}{3}$ of 9 is _____

3. By drawing circles and dots, find ...

    a) $\frac{1}{3}$ of 12   b) $\frac{1}{2}$ of 8

    $\frac{1}{3}$ of 12 is _____ $\frac{1}{2}$ of 8 is _____

    c) $\frac{1}{2}$ of 6   d) $\frac{1}{4}$ of 12

    $\frac{1}{2}$ of 6 is _____ $\frac{1}{4}$ of 12 is _____

jump math
MULTIPLYING POTENTIAL.

Number Sense 2

4. Kevin finds $\frac{1}{2}$ of 6 by dividing: 6 divided into 2 groups gives 3 in each group $(6 \div 2 = 3)$.

Write a division statement to find the amount.

a) $\frac{1}{2}$ of 8

$8 \div 2 = 4$ _____

b) $\frac{1}{2}$ of 10 _____

c) $\frac{1}{2}$ of 16 _____

d) $\frac{1}{2}$ of 20 _____

e) $\frac{1}{2}$ of 6 _____

f) $\frac{1}{2}$ of 14 _____

g) $\frac{1}{2}$ of 18 _____

h) $\frac{1}{2}$ of 4 _____

5. Circle $\frac{1}{2}$ of each set of lines.

HINT: Count the lines and divide by 2.

a) | | | | | | |

b) | | | | | | | | | | |

c) | | | |

d) | | | | | | | |

e) | | | | | | | | | | |

6. Fill in the missing number to make a fraction that is <u>equal to</u> $\frac{1}{2}$.

a) $\dfrac{\Box}{10}$

b) $\dfrac{\Box}{6}$

c) $\dfrac{\Box}{4}$

d) $\dfrac{\Box}{8}$

e) $\dfrac{\Box}{20}$

f) $\dfrac{\Box}{12}$

g) $\dfrac{\Box}{14}$

h) $\dfrac{\Box}{18}$

i) $\dfrac{4}{\Box}$

j) $\dfrac{3}{\Box}$

7. Complete each statement by writing "more than half", "half" or "less than half".

HINT: Start by finding half of the number by skip counting by 2s.

a) 4 is _____more than half_____ of 6

b) 4 is _____ of 8

c) 7 is _____ of 12

d) 3 is _____ of 10