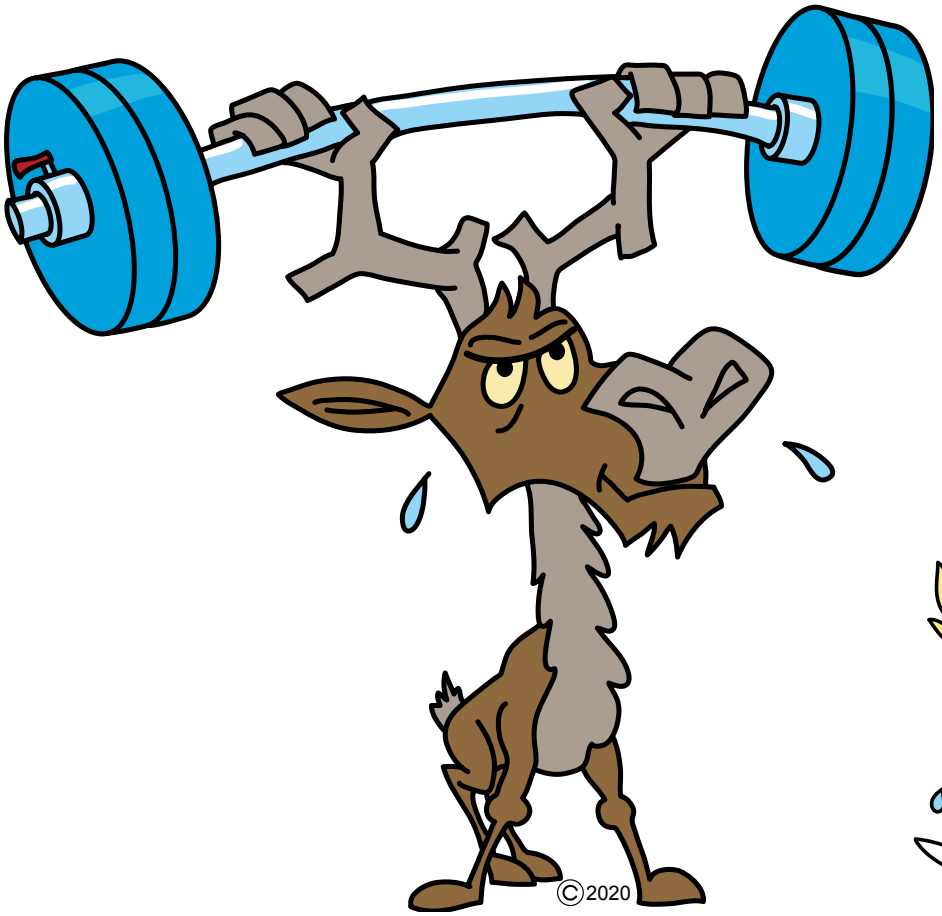
Colin and Coco's Daily Maths Workout

Workout 1.4

Fractions: Representing and Equivalence





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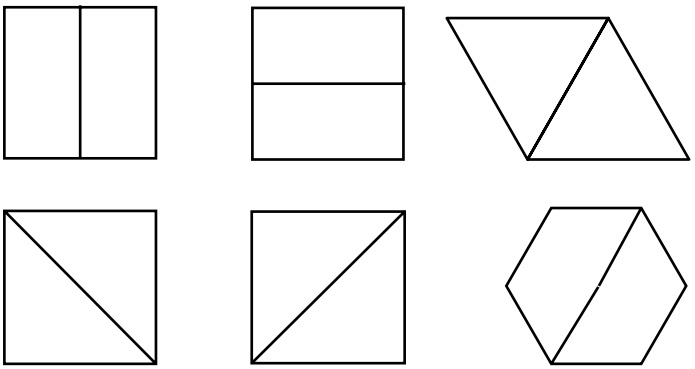
Fractions: Representing Workout

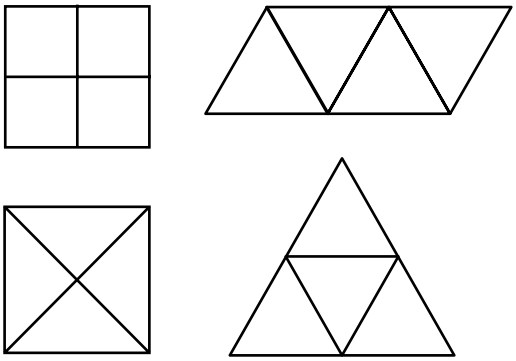
Workout A

Represent each fraction in different ways using the diagrams

$\frac{1}{2}$



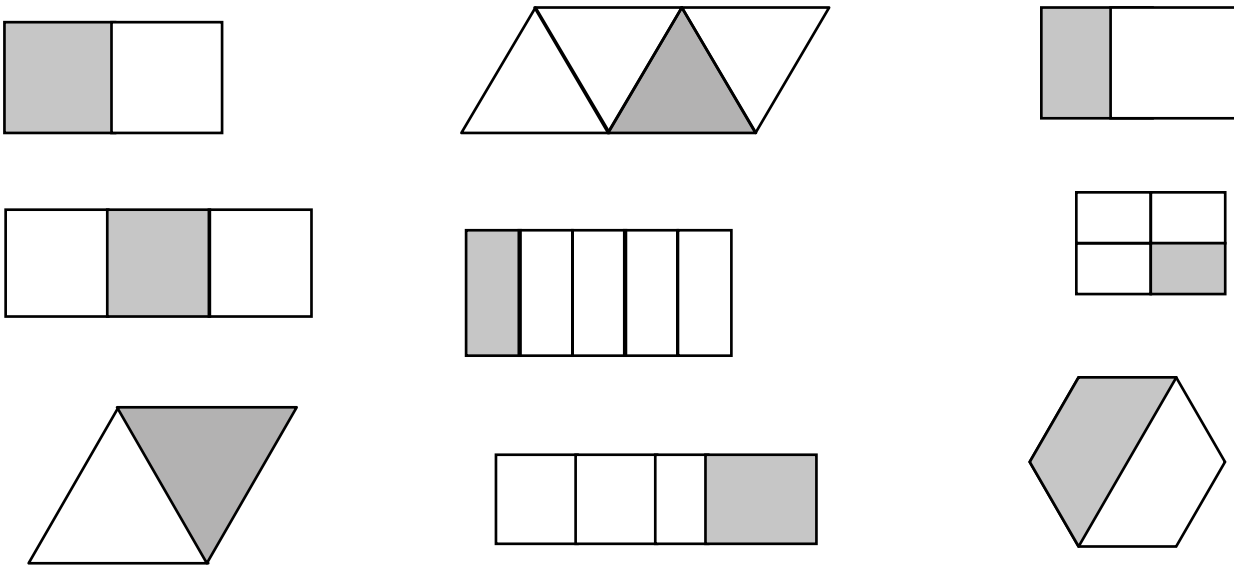
$\frac{1}{4}$



Fractions: Representing Workout

Workout B

Tick the shapes that represent $\frac{1}{2}$ Circle the shapes that represent $\frac{1}{4}$

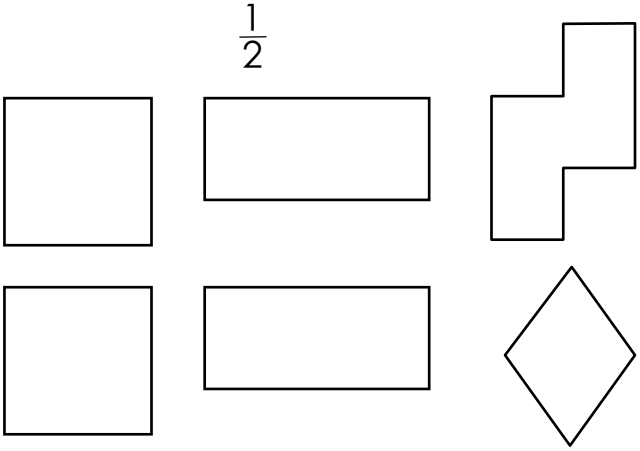


Fractions: Representing Workout

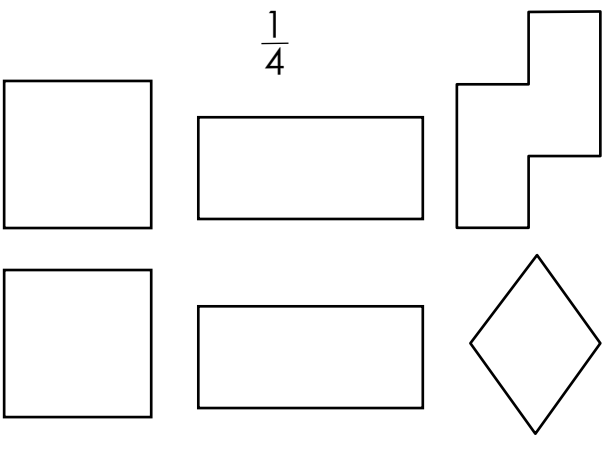
Workout C

Represent each fraction in different ways using the diagrams

$\frac{1}{2}$



$\frac{1}{4}$



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Shape Shader Game

Workout D

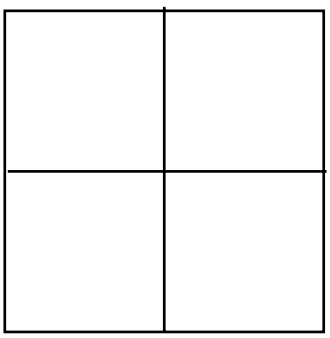
You need:
Fraction Baseboard (at the bottom of this page.)
A set of cards 1 - 9 (Use playing cards or print off the cards at the back of the pack.)

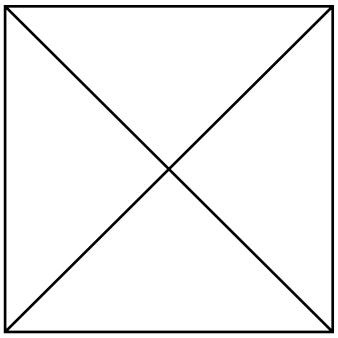
To play:
Shuffle the cards and put them in a deck face down.
Take it in turns to turn over a card.
If you get 1, 2, 3 or 4 you colour $\frac{1}{2}$ of one of your shapes.
If you get 5, 6, 7, 8 or 9 you colour $\frac{1}{4}$ of one of your shapes.

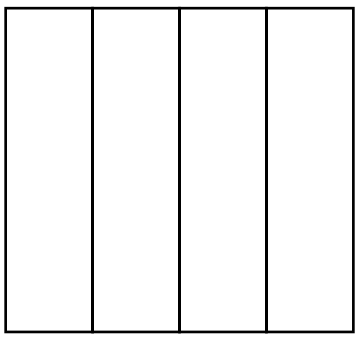
I have turned over a 3 so I will colour half of this square.

Place the card back into the deck.

To win:
The winner is the first player to colour all of their shapes.







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Missing Number Workout

Workout E

Put digits in the empty boxes to make the problems correct.
Complete each one in several different ways.

Colin is shading a shape with 12 squares.

He shades $\frac{1}{\square}$ of the shape.

He shades $\square$ squares.

Coco is shading a shape with $\square\square$ squares.

She shades $\frac{1}{\square}$ of the shape.

She shades $\square$ squares.

Now complete it using the digits 0, 1, 2, 3, 4 and 5 once each.

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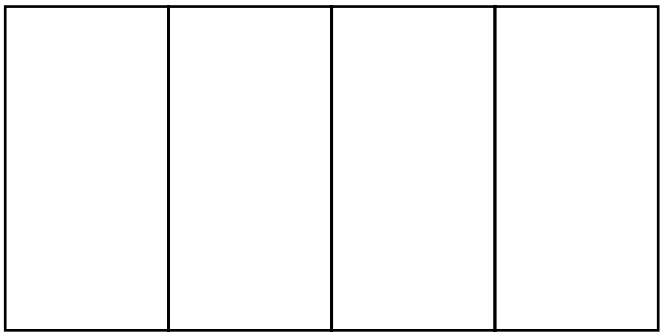
Flag Challenge

Workout F

Coco is designing a flag.
She has three colours: red, yellow and blue.



She colours $\frac{1}{2}$ of the flag red.

She colours $\frac{1}{4}$ of the flag yellow and $\frac{1}{4}$ of the flag blue.

Colour the flag in at least six different ways.

How many other ways can you find? Do you think you have found them all?
How do you know?

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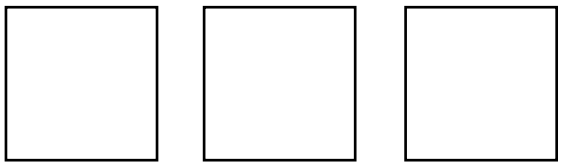
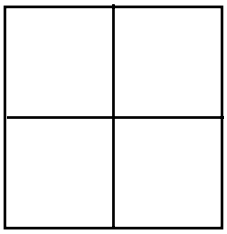
Word Problem Workout

Workout G

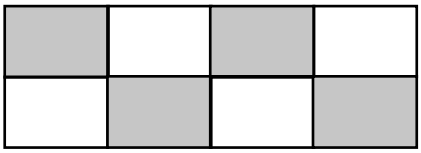
Coco is designing a square cushion cover.
She wants to have half pink and half white.
How could she divide her cushion?
Show three ways.



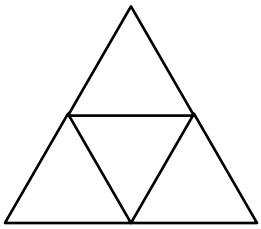
Colin thinks he can not shade half of this flag because it does not have two equal parts.
Convince Colin he is not right.



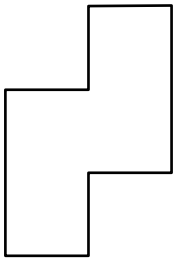
Colin thinks half of the patio has grey slabs.
Do you agree?



Coco thinks she can not shade $\frac{1}{4}$ of this shape because it is not a rectangle.
Convince Coco she is not right.



Divide this shape so you can show $\frac{1}{4}$



Create your own shapes to show $\frac{1}{4}$ or $\frac{1}{2}$

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Workout H

Number of the Day Workout

Today's number is

Write it in words

Draw It

Double It

1 less

Draw It another way

1 more

10 more

10 less

Calculation so it is the difference.

Calculation so it is the total.

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Cards for the Games

1	2	3
4	5	6
7	8	9

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