



Understanding Fractions

1.0 Playdoh Fractions

Materials you need...

- Playdoh
- Blunt knife
- Fraction Dice / Fraction cards

Using the playdoh encourage your child to make flat circular pizza style shapes or sausages.

Talk about fractions. The line is telling you to divide something into the number of pieces shown under the line. The top number tells you how many of these pieces you would like.

Use the Fraction Die (or fraction cards).

Throw the dice or pick a card, use the playdoh to cut out the fraction shown, talk about how many pieces you needed to cut.

You can make this into a game by comparing the fractions and seeing who had the bigger fraction... be careful to make sure the pizzas start as the same size and you cut equal sized pieces each time.

(Also talk about whether the pieces are slightly more or less than an actual half.)

2.0 Lucky Dip Fraction Find



Materials you (may) need...

- Fraction Magnetic Pies / Pizza slices
- Bag
- Fraction Die / Fraction Cards

If you do not have the magnetic fractions, stick onto card and cut out the printed pizza's. Then cut the pizza's up to represent the different sized fractions, write the fraction on the slice.

Place one of each size fraction into the bag. Roll the fraction die / pick a fraction card, this is the size of pizza slice you need to try to find without looking in the bag.

3.0 Blindfold fraction turns

Materials you need...

- Blindfold
- Chalk/masking tape
- String

Draw/tape a circle on the floor. You can use string to show how you can make a circle with the same length (radius) from the centre to the edge (circumference) all the way round, keep one end always in the middle and the other end goes round showing you where the edge should be.

Draw/tape a line from the middle to the top edge. This line represents the start, you stand in the middle, facing the way the line goes out to the edge. You can talk about how much a $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, would be. You can also compare this to a clock face, quarter past, half past, quarter to.



Look at clockwise and anticlockwise, again compare to clock hands.

Then blindfold and ask them to make a $\frac{1}{4}$ turn clockwise/anticlockwise (or $\frac{1}{2}$ or $\frac{3}{4}$). See how close they get to getting it right.

4.0 Fraction – Popcorn Bingo

Materials you need...

- Fraction Cards
- Fraction Pictures

Each Child needs to pick out 6 Fraction Pictures. The caller picks out a Fraction Card and calls it out. If a child has that fraction (this can include equivalent fractions) they can cross it out.

The first to cross all their fractions out wins.

5.0 Higher-Lower Fraction Cards

Material you need...

- Fraction Cards
- Fraction Pictures

Match the fraction cards and pictures to make cards containing both.

Mix all the cards up. Place five in a row. Turn over the first card. The child then guesses whether they think the next card will be higher or lower than the first card. If they are right they go again saying



whether they think the next card will be higher or lower than the previous card... can they make it to the end?

6.0 Fraction Pairs

Materials you need...

- Fraction Cards
- Fraction Pictures

Mix all the cards up and place face down, keeping the fraction cards to one side and pictures to the other. Pick a card from each side. If the fraction matches the picture you keep the matching pair and go again. If they do not match turn them back over and the next player takes a turn. The player at the end to find the most matches wins.

7.0 Fraction Pictionary

Materials you need...

- Fraction Cards
- Paper and pen

Shuffle the fraction cards. See how many fractions one child can draw while the other names them within one minute.

8.0 Fraction – biggest wins

Materials you (may) need...

- Crocs
- Fraction die or fraction cards



Take it in turns to throw the die. Highest wins. Use the croc to show which is greatest.

9.0 Skittle Fractions

Materials you may need...

- Skittles and a ball
- Or bean bags and a hoop

Take it in turns to throw the ball at the skittles. Look at how many you knocked over vs how many were standing at the start (or beanbags at a hoop and look at how many are in and those that fell outside the hoop). Show how many you knocked over as a fraction of how many you started with. The biggest fraction wins.

10.0 Half Art

Materials you need...

- Paper shapes
- Scissors
- Glue
- paper

Ask each child to pick 5 shapes and find the line of symmetry so they can cut them in half. Then use these halves to make a picture.



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$$\frac{1}{1}$$

$$\frac{1}{2}$$

$$\frac{1}{3}$$

$$\frac{1}{4}$$

$$\frac{1}{5}$$

$$\frac{1}{6}$$



$\frac{1}{2}$	$\frac{2}{2}$	$\frac{1}{3}$	$\frac{2}{3}$
$\frac{3}{3}$	$\frac{1}{4}$	$\frac{2}{4}$	$\frac{3}{4}$
$\frac{4}{4}$	$\frac{1}{5}$	$\frac{2}{5}$	$\frac{3}{5}$
$\frac{4}{5}$	$\frac{5}{5}$	$\frac{1}{6}$	$\frac{2}{6}$
$\frac{3}{6}$	$\frac{4}{6}$	$\frac{5}{6}$	$\frac{6}{6}$

$\frac{1}{8}$	$\frac{2}{8}$	$\frac{3}{8}$	$\frac{4}{8}$
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$\frac{5}{8}$	$\frac{6}{8}$	$\frac{7}{8}$	$\frac{8}{8}$
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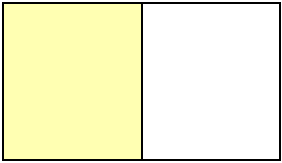
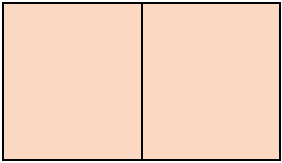
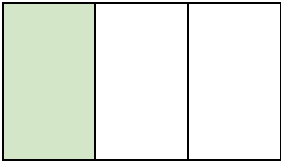
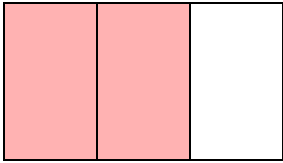
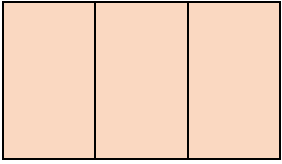
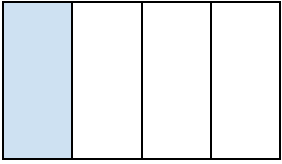
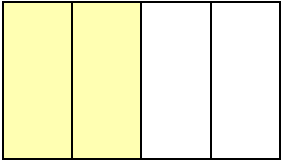
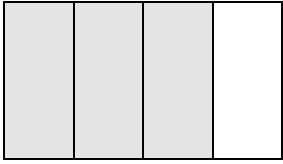
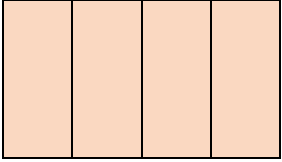
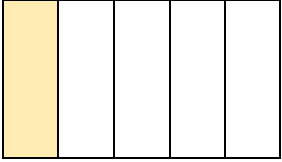
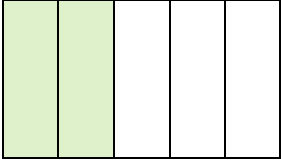
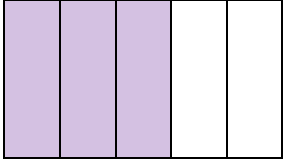
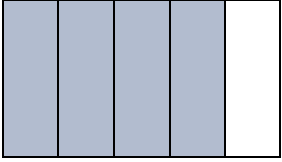
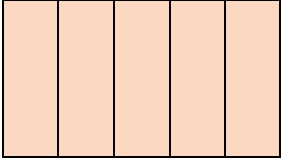
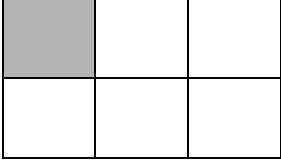
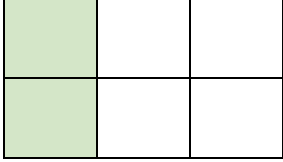
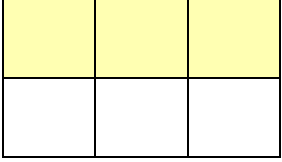
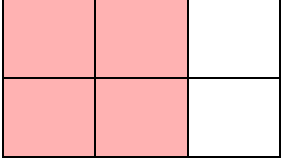
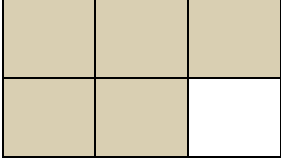
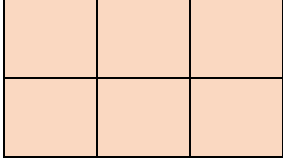
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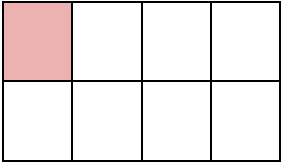
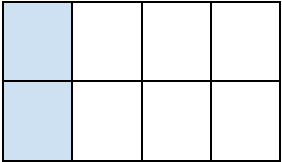
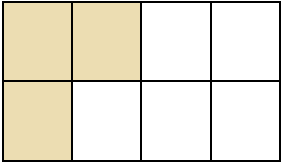
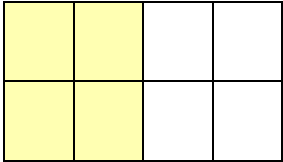
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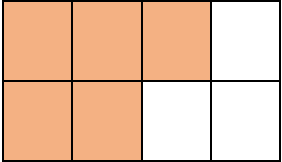
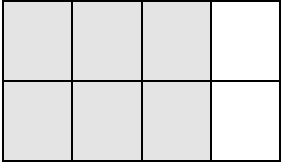
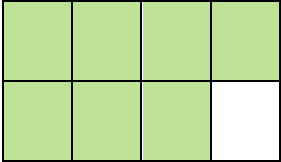
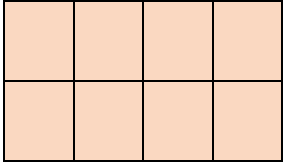
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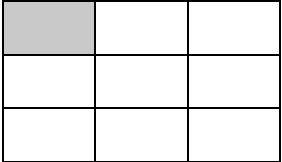
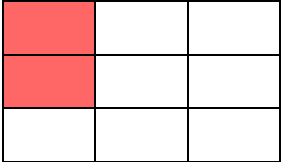
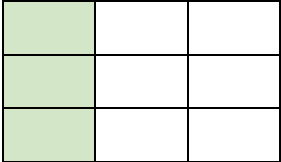
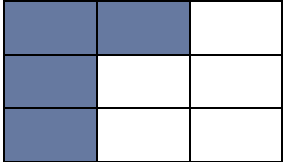


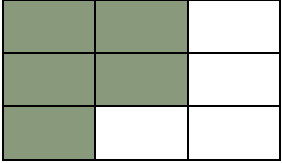
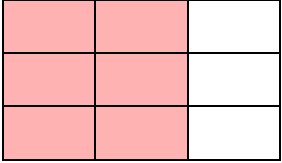
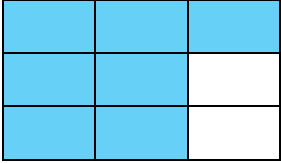
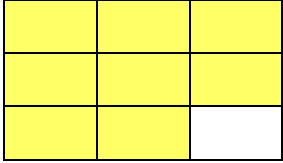
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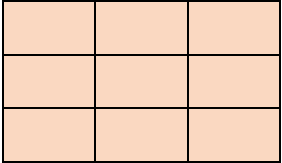
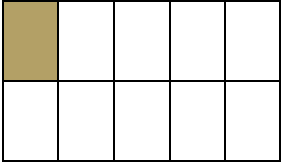
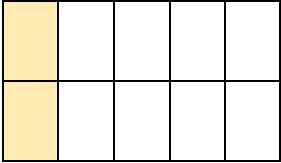
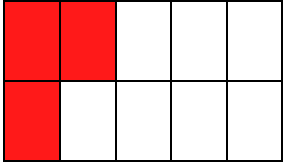
			
			
			
			
			

			
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