

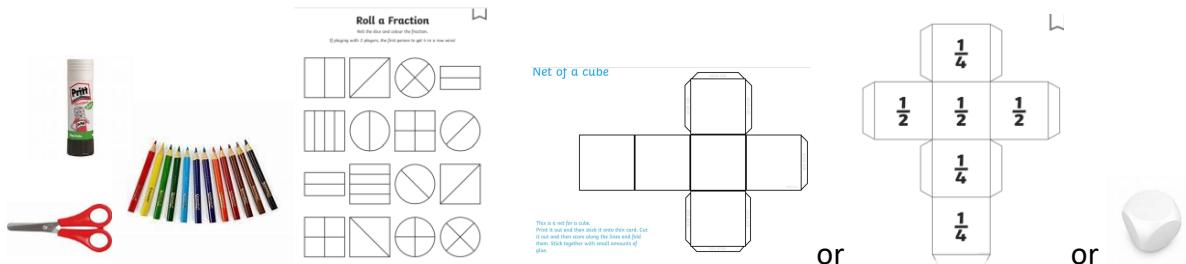
Division: Draw half / quarter of a circle etc

Roll a Fraction (halves and quarters)

Aim of the Game

Roll the die and colour the fraction - first to colour 4 fractions in a row wins

You will need:



Before playing

- Can they spot halves in real life? Use the real-life half pictures to talk about halves first. If confident - play 'roll a fraction' with halves only to start with. If they roll a quarter, it can mean throw again or miss a go!
- Can they spot quarters in real life? Use the real-life quarter pictures to talk about quarters first. If confident, play again with only quarters then quarters and halves when ready.
- Do they know the abstract symbols for half and quarter? Start with the word version and only move on to the abstract if they are confident with the words and they have used the abstract in lessons (check with Teacher or TA).

Set up

- Make the dice. One cube net is blank for you (or the child) to write in words 'half' and 'quarter' and build the die. The other die has the abstract symbols for half and quarter.
- Or use the blank dice in your resources pack.
- Teach them how to do 'special maths colouring' (colouring that doesn't need to be perfect – just a quick shading in!) before you start but let them choose their colour.
- Have several copies of the game for rematches.

Play

- A rolls the die and reads it aloud and explains what it means.
- A chooses a shape from the sheet and colours in the fraction as read on the die explaining their choice.
- B rolls, reads, chooses and colours. Remember the aim is to get 4 in a row.
- Continue taking turns, thinking aloud, explaining choices, until a player colours 4 in a row.

Reflect

- Which fractions were easier/trickier to find?
- How did you feel when we started the game? Did that change?

Adapt

- Once confident at identifying halves and quarters, give them blank circles, squares, rectangles and triangles - can they draw the half/quarter lines themselves?

Maths talk

In this game, children build on their **understanding of equal parts and fractions. They will ...**

- Learn how fractions are written.
- Realise the numerator and denominator are one value.
- See the values of halves and quarters in shapes.
- Talk about how fractions are used in their everyday lives.
- Develop their sense of play.
- Feel more confident and comfortable with the language of Mathematics

Things to look out for

- Can they say how many equal parts the shape is divided into.
- Do they know how many equal parts a half will be? Or a quarter?
- Are they explaining how they know it is a half or quarter.
- Can they see 2 quarters are equal to 1 half?

Key questions

- How many equal parts are in this shape?
- Is there another way to show a half?
- Where can I go to block you?!

Sentence stems

*I've rolled a half.
A half is 1 out of 2
equal parts.*

*The whole is divided
into 2 equal parts.
Each part is one half of
the whole.*

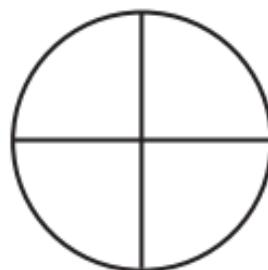
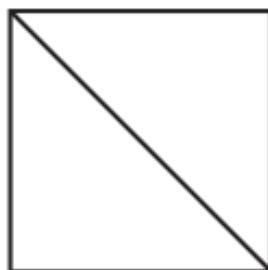
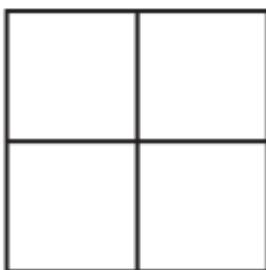
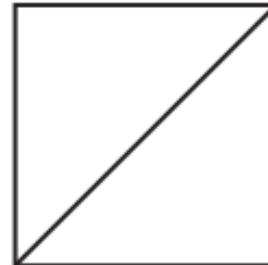
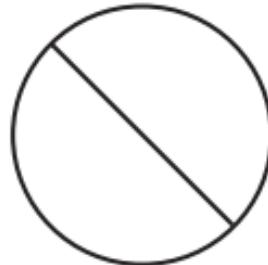
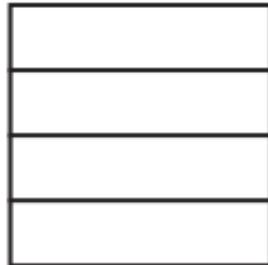
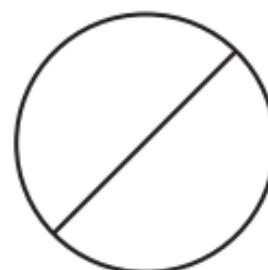
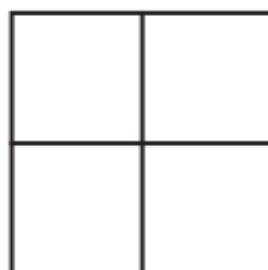
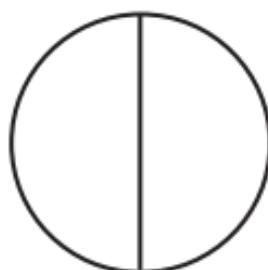
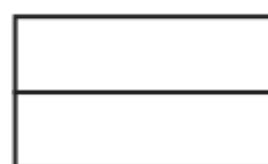
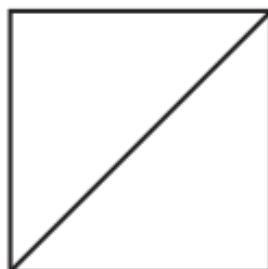
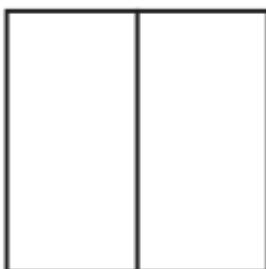
*I've rolled a quarter.
A quarter is 1 out of
four equal parts.*

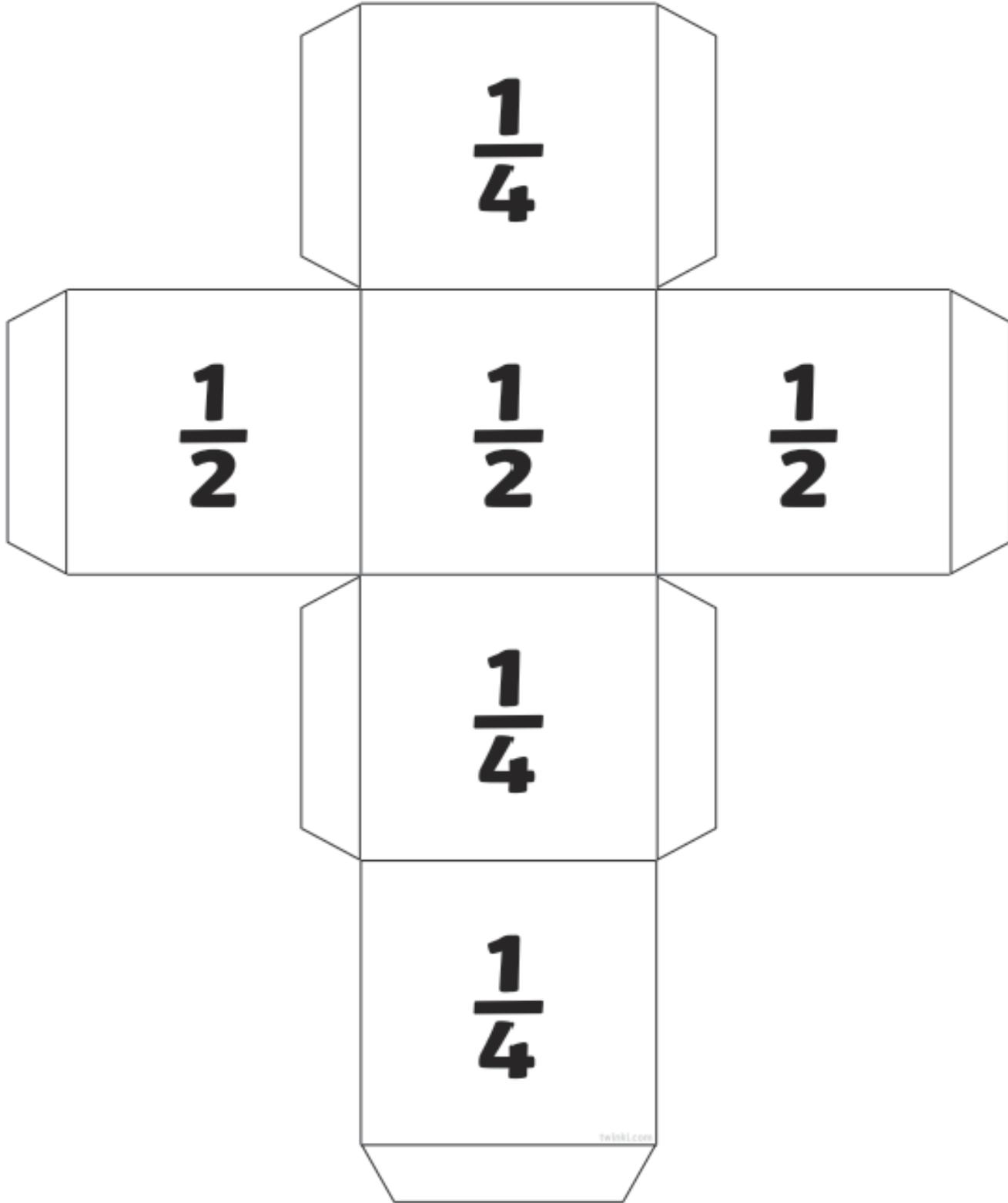
*The whole is divided
into 4 equal parts.
Each part is one*

Roll a Fraction

Roll the dice and colour the fraction.

If playing with 2 players, the first person to get 4 in a row wins!




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

Net of a cube

This is a net for a cube.

Print it out and then stick it onto thin card. Cut it out and then score along the lines and fold them. Stick together with small amounts of glue.

