Fractions Year 2

Halves, thirds and quarters - 1/2, 1/3, 1/4, 2/4, 3/4

FREE - 8 activity pages + mixed challenge + answer key

1 Shade the fraction

2 Name the fraction

3 Fractions of amounts

4 Three quarters

5 Two quarters = one half

6 Counting in fractions

7 Fractions of lengths

8 Spot the mistake

9 Mixed challenge + Answer key

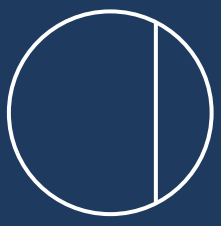
How to use this pack - grown-ups

One page a day works well. Start with real things first - fold a strip of paper, share out sweets or counters - then do the page.

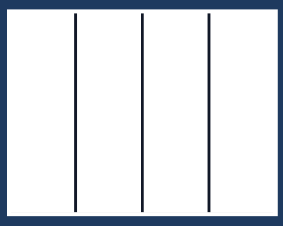
Equal parts checker - circle YES or NO under each shape



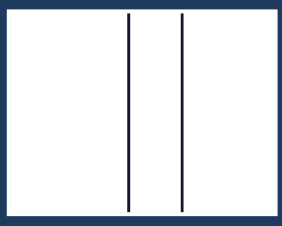
YES / NO



YES / NO



YES / NO



YES / NO

For Year 2 children (ages 6-7) - England, halves, thirds and quarters only

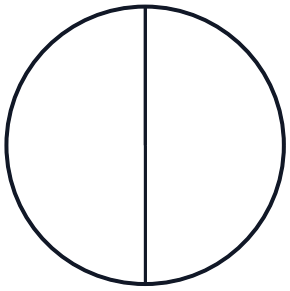
LittleLearners - littlelearners.site

Shade the Fraction

Count the parts, then shade what the fraction says.

Name _____ Date _____ Score ____ / ____

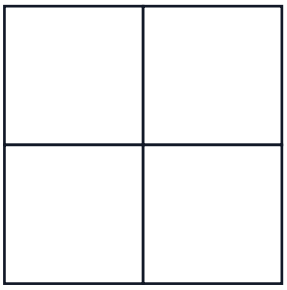
1. Shade 1/2 of this circle.



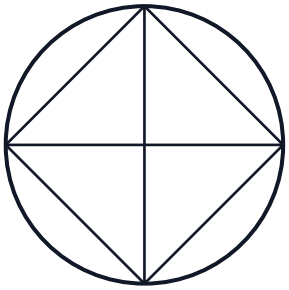
2. Shade 1/3 of this rectangle.



3. Shade 1/4 of this square.



4. Shade 3/4 of this circle.



Grown-up tip: the bottom number tells you how many equal parts to cut the shape into. The top number tells you how many parts to shade.

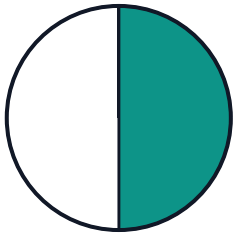
Name the Fraction

Count all the parts for the bottom number, the shaded parts for the top.

Name _____ Date _____ Score ____ / ____

How to name a fraction

1. Count ALL the equal parts. That number goes on the BOTTOM.
2. Count the SHADED parts. That number goes on the TOP.



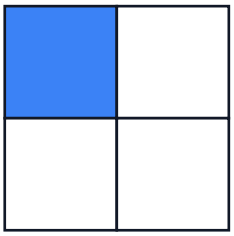
a) Write the fraction:

_____ / _____



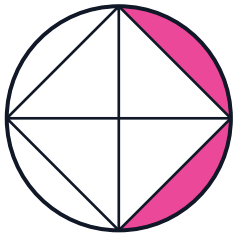
b) Write the fraction:

_____ / _____



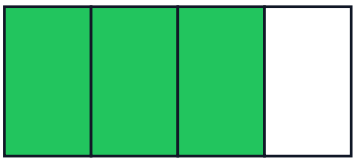
c) Write the fraction:

_____ / _____



d) Write the fraction:

_____ / _____



e) Write the fraction:

_____ / _____

Top number = shaded parts. Bottom number = all the parts.

Fractions of Amounts

Share the counters into equal groups. Count one group - that is your answer.

Name _____ Date _____ Score ____ / ____

Worked example: 1/2 of 6 = 3

Share 6 counters into 2 equal groups - 3 in each group.
Count one group: 3. So 1/2 of 6 is 3.

1. 1/2 of 6 = _____



2. 1/3 of 12 = _____



3. 1/4 of 20 = _____



4. 1/2 of 10 = _____



5. 1/3 of 9 = _____



The bottom number tells you how many groups to share into.
The top number tells you how many groups to count.

Three Quarters

Find 1/4 first, then take it 3 times.

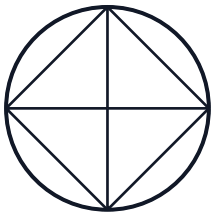
Name _____ Date _____ Score ____ / ____

How to find 3/4: 3/4 of 12 = 9

First find 1/4 of 12: 12 ÷ 4 = 3.

Then take 3 groups: 3 + 3 + 3 = 9.

1. Shade 3/4 of this circle.



2. 3/4 of 12 = _____



First: 1/4 of 12 = _____

3. 3/4 of 8 = _____



First: 1/4 of 8 = _____

4. 3/4 of 20 = _____



First: 1/4 of 20 = _____

5. Shade 3/4 of this strip.



3/4 means 3 out of 4 equal parts - find one part first, then take it 3 times.

Two Quarters = One Half

Same amount, two names. Prove it!

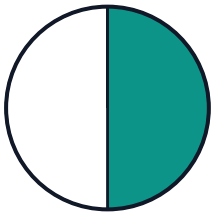
Name _____ Date _____ Score ____ / ____

2/4 = 1/2

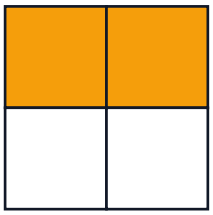
Two quarters cover exactly the same amount as one half.

Match the pairs - draw a line from each picture to its fraction.

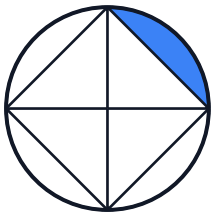
A



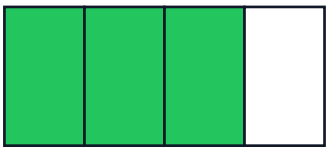
B



C



D



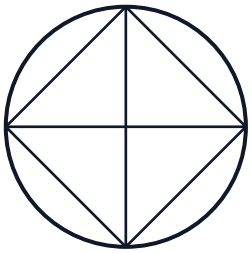
3/4

1/2

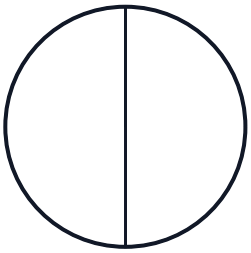
2/4

1/4

Prove it - shade both circles. Do they cover the same amount?



Shade 2/4



Shade 1/2

Do 2/4 and 1/2 cover the same amount? Circle one: YES / NO

Counting in Fractions

Fractions are numbers too - they sit on the number line.

Name _____ Date _____ Score ____ / ____

1. Fill in the missing numbers on the number line.



2. Count in halves - fill in the missing numbers:



3. Count in quarters from 2 - fill in the missing numbers:



4. What comes next?

Counting in halves: 3 1/2, _____

Counting in quarters: 1 3/4, _____

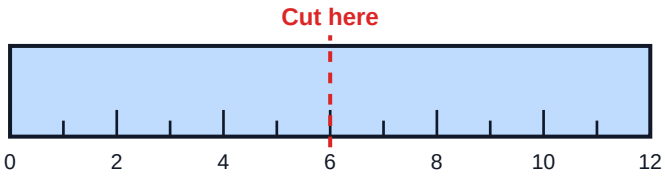
When you count in fractions, the numbers go up by the same step every time - just like counting in 2s or 5s.

Fractions of Lengths

Cut the ribbon into equal parts. Measure what you cut.

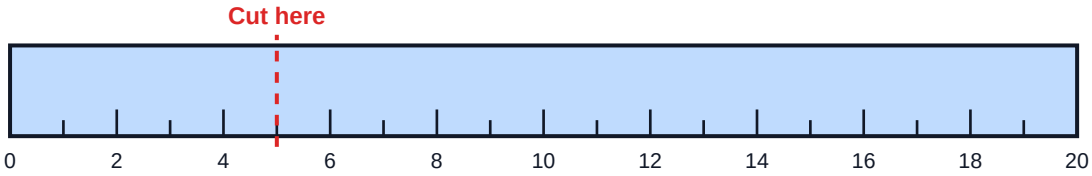
Name _____ Date _____ Score ____ / ____

1. Cut 1/2 of this 12 cm ribbon.



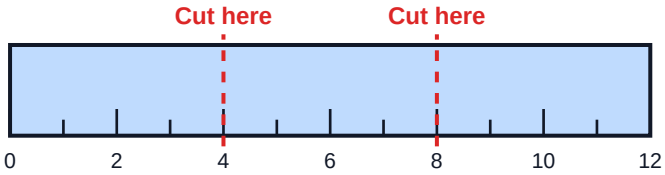
How long is each piece? _____ cm

2. Cut 1/4 of this 20 cm ribbon.



How long is the piece you cut off? _____ cm

3. Cut 1/3 of this 12 cm ribbon.



How long is each piece? _____ cm

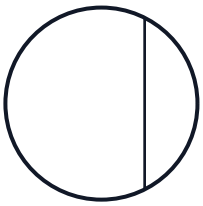
A fraction of a length is still a length - always write the unit (cm).

Spot the Mistake

Four children got it wrong. Can you see why?

Name _____ Date _____ Score ____ / ____

1. Sara says this circle shows 1/2.



Is Sara right? Circle one: YES / NO

Why not? _____

2. Ben says 1/4 is bigger than 1/2, because 4 is bigger than 2.



1/2



1/4

Is Ben right? Circle one:
YES / NO

Which is bigger? _____

3. Tom says 1/3 of 12 is 3.



Is Tom right? Circle one: YES / NO

What is 1/3 of 12? _____

4. Mia shares 12 sweets into 4 groups: 2, 2, 4, 4.



Are these quarters? Circle one:
YES / NO

Why not? _____

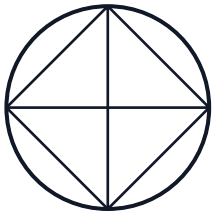
A fraction only works when the parts - or the groups - are equal.

Mixed Challenge

One page, everything together. Then check your answers below!

Name _____ Date _____ Score ____ / ____

1. Shade 3/4 of this circle.



2. 1/3 of 15 = _____



3. Write 2/4 as another fraction: 2/4 = _____

4. Count in quarters: 2 1/2, 2 3/4, _____, 3 1/4

Answer Key - Grown-ups

1 Equal-parts checker

a) Yes - 2 equal parts. b) No - one big piece, one small piece. c) Yes - 4 equal parts. d) No - the parts are not equal.

2 Shade the fraction

Shade 1 of 2 parts; 1 of 3 parts; 1 of 4 parts; 3 of 4 parts.

3 Name the fraction

a) 1/2 b) 1/3 c) 1/4 d) 2/4 e) 3/4. Bottom number = all the parts, top number = shaded parts.

4 Fractions of amounts

1/2 of 6 = 3 (6 ÷ 2 = 3); 1/3 of 12 = 4 (12 ÷ 3 = 4); 1/4 of 20 = 5 (20 ÷ 4 = 5); 1/2 of 10 = 5 (10 ÷ 2 = 5); 1/3 of 9 = 3 (9 ÷ 3 = 3).

5 Three quarters

3/4 of 12 = 9 (1/4 of 12 = 3, then 3 × 3 = 9); 3/4 of 8 = 6 (1/4 of 8 = 2, then 2 × 3 = 6); 3/4 of 20 = 15 (1/4 of 20 = 5, then 5 × 3 = 15).

6 Match the pairs

A 1/2, B 2/4, C 1/4, D 3/4. 2/4 = 1/2 - both cover half the circle.

7 Counting in fractions

1/4, 3/4, 1 1/4, 1 3/4; 1/2, 1 1/2, 2 1/2; 2 1/4, 2 1/2, 2 3/4; after 3 1/2 comes 4; after 1 3/4 comes 2.

8 Fractions of lengths

1/2 of 12 cm = 6 cm; 1/4 of 20 cm = 5 cm; 1/3 of 12 cm = 4 cm.

9 Spot the mistake

1) No - the parts are not equal. 2) No - 1/2 is bigger than 1/4. 3) No - 1/3 of 12 = 4 (12 ÷ 3 = 4). 4) No - the groups are not equal (3 sweets in each group).

10 Mixed challenge

Shade 3 of 4 parts; 1/3 of 15 = 5 (15 ÷ 3 = 5); 2/4 = 1/2; the missing number is 3.