Fractions in real life

Fractions · Year 5–6 · ±9 min Medium

Name: ..... Date: .....

Today you learn: I can find a fraction of an amount in a word problem.

Remember

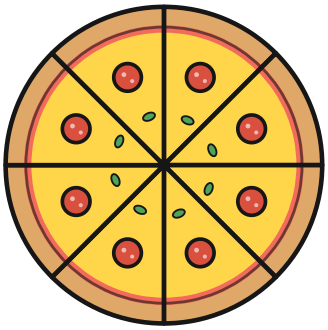
To find a fraction of an amount, first divide by the denominator (the number under the line). Then multiply the answer by the numerator (the number above the line).

EXAMPLE

3/4 of 20 → 20 ÷ 4 = 5 and 3 × 5 = 15. So 3/4 of 20 = 15.

1 Medium

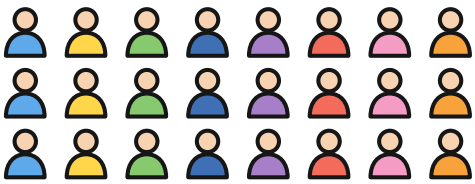
A pizza is cut into 8 slices. Mei eats 1/4 of the pizza. How many slices does she eat?



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2 Medium

There are 24 children in the class. 2/3 of them like playing football. How many children is that?

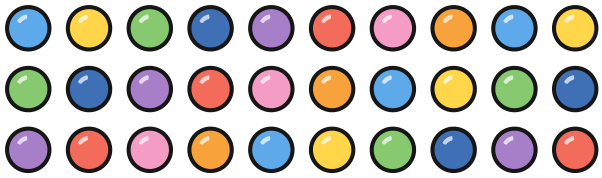


24 children

.....

3 Medium

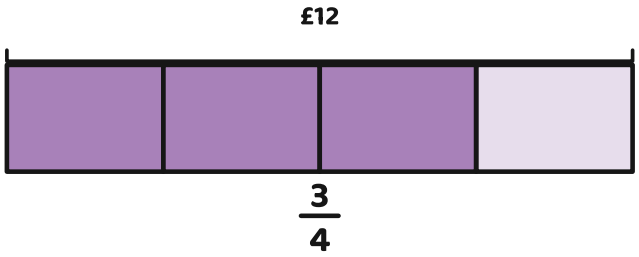
Jesse has 30 marbles. He gives 1/5 of them to his sister. How many marbles does he keep?



30 marbles

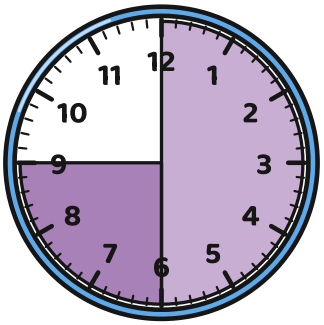
4 Medium

A zoo ticket costs £12. Children pay 3/4 of that price. How much does a child pay?



5 Medium

Amara practises the piano for 1/2 an hour and then the guitar for 1/4 of an hour. How many minutes does she practise altogether?



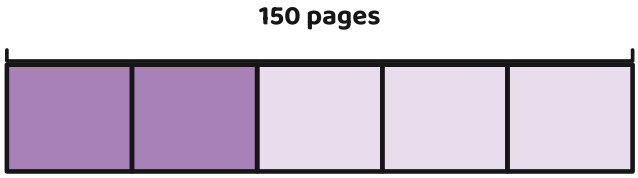
6 Medium

Which is more: 1/3 of 60 or 1/4 of 100?

- ◯ they are the same
- ◯ 1/3 of 60
- ◯ 1/4 of 100

7 Hard

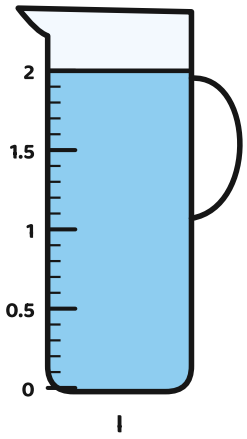
A book has 150 pages. Kofi has read 2/5 of it. How many pages does he still have to read?



◯ 60 ◯ 90 ◯ 100

8 Hard

A 2 l bottle of lemonade is shared equally between 8 glasses. What fraction of a litre goes into each glass? How many ml is that?



9 Medium

Write each fraction in the right column.

Choose from: 1. 7/10 | 2. 1/3 | 3. 5/8 | 4. 1/5 | 5. 3/6 | 6. 2/4

less than half	exactly half	more than half

How did it go? ☺ 😐 ☹

✂ ---------- Stuck? Turn the sheet round and read the tip for your number. ----------

Help card

1. Split the slices into 4 equal groups.

2. First divide by 3, then multiply by 2.

3. First work out how many he gives away. Careful: the question asks how many he keeps.

4. What is 1/4 of the price? Take that 3 times.

5. How many minutes are in half an hour? And in a quarter of an hour?

6. Work them both out and compare.

7. Work out how many pages he has read and take that away from the whole book.

8. How many glasses do you get from 1 l?

9. Compare the top number with half of the bottom number.

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Answers: Fractions in real life

For the parent · Year 5–6 Medium

Today you learn: I can find a fraction of an amount in a word problem.

Check it together. When something is wrong, first ask: how did you work that out? Give the tip before the answer.

1. 2 slices

   Tip: Split the slices into 4 equal groups.

2. 16 children

   Tip: First divide by 3, then multiply by 2.

3. 24 marbles

   Tip: First work out how many he gives away. Careful: the question asks how many he keeps.

4. £9

   Tip: What is 1/4 of the price? Take that 3 times.

5. 45 minutes

   Tip: How many minutes are in half an hour? And in a quarter of an hour?

6. 1/4 of 100

   Tip: Work them both out and compare.

7. 90

   Tip: Work out how many pages he has read and take that away from the whole book.

8. 1/4 l = 250 ml

   Tip: How many glasses do you get from 1 l?

9. **less than half:** 1/3, 1/5
   exactly half: 2/4, 3/6
   more than half: 5/8, 7/10

   Tip: Compare the top number with half of the bottom number.

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