Fractions: Add, Subtract, Multiply and Divide

GCSE Maths · Foundation tier · Grades 3–4 · About 25 minutes · 8 questions

Name _____ Date _____ Score / 8

WHAT YOU WILL PRACTISE

- Add and subtract fractions with different denominators
- Multiply and divide fractions
- Calculate with mixed numbers

WORKED EXAMPLE

Work out 2/3 + 1/4.

1. Find a common denominator for 3 and 4: use 12.
2. Convert each fraction: 2/3 = 8/12 and 1/4 = 3/12.
3. Add the numerators: 8/12 + 3/12 = 11/12.

Answer: 11/12

Questions

Show your working in the space under each question.

1. Work out 2/5 + 1/5

2. Work out 1/2 + 1/3

3. Work out 3/4 − 2/5

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4. Work out 2/3 × 3/5. Give your answer in its simplest form.

5. Work out 3/4 ÷ 2/5

6. Work out 1½ + 2⅔

7. Work out 2¼ × 1⅓

8. A tank is 5/8 full of water. An amount of water equal to 1/4 of the full tank is then used. What fraction of the tank is now full?

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Answers: Fractions: Add, Subtract, Multiply and Divide

Mark your own work, then go back to any question you got wrong before reading the tutor tip.

Q	QUESTION	ANSWER
1	Work out 2/5 + 1/5	**3/5**
2	Work out 1/2 + 1/3	**5/6**
3	Work out 3/4 − 2/5	**7/20**
4	Work out 2/3 × 3/5. Give your answer in its simplest form.	**2/5**
5	Work out 3/4 ÷ 2/5	**15/8 = 1 7/8**
6	Work out 1½ + 2⅔	**25/6 = 4 1/6**
7	Work out 2¼ × 1⅓	**3**
8	A tank is 5/8 full of water. An amount of water equal to 1/4 of the full tank is then used. What fraction of the tank is now full?	**3/8**

TUTOR TIP

Adding and subtracting need a common denominator. Multiplying goes straight across. Dividing means flip the second fraction and multiply.

Stuck on a question? Work through it live with a tutor.

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