Year 4 Fractions: Fraction Wall and Practice

One page. Fraction wall, equivalent fractions, mixed numbers and same-denominator adding. Smart Cub Learning · smartcublearning.com

1. The fraction wall



How to use it: put a finger at the left edge, run it along a row, and stop at the same point on another row. Anything that lines up is equivalent.

2. Equivalent fractions

Use the wall. Fill in the missing number.

1. 1/2 = __ /4
2. 1/2 = __ /8
3. 2/4 = __ /8
4. 1/3 = __ /6
5. 3/4 = __ /8
6. 6/8 = __ /4
7. 2/6 = __ /3
8. 5/10 = __ /2
9. 4/10 = __ /5
10. 1 = __ /8

Answers: 2, 4, 4, 2, 6, 3, 1, 1, 2, 8

3. Mixed numbers and improper fractions

Write each one the other way round.

1. 2 and 3/5 = __ /5
2. 1 and 1/4 = __ /4
3. 3 and 2/8 = __ /8
4. 4 and 1/3 = __ /3
5. 13/5 = __ and __ /5
6. 9/4 = __ and __ /4
7. 21/8 = __ and __ /8
8. 17/4 = __ and __ /4

Answers: 13/5; 5/4; 26/8; 13/3; 2 and 3/5; 2 and 1/4; 2 and 5/8; 4 and 1/4

Going up: whole number times denominator, then add the numerator. Coming down: divide, the remainder is the leftover parts.

4. Adding and subtracting (same denominator)

Say it out loud first: "7 one-fifths plus 4 one-fifths".

1. 7/5 + 4/5 =
2. 3/8 + 4/8 =
3. 5/6 + 5/6 =
4. 3 and 7/8 minus 2/8 =
5. 7 and 2/5 + 4/5 =
6. 8 and 1/5 minus 4/5 =
7. 2 minus 3/10 =
8. 1 and 1/6 minus 4/6 =

Answers: 11/5; 7/8; 10/6 (1 and 4/6); 3 and 5/8; 8 and 1/5; 7 and 2/5; 1 and 7/10; 3/6

5. Fractions of an amount

Divide by the bottom, multiply by the top.

1. 1/5 of 45 =
2. 3/5 of 45 =
3. 1/4 of 36 =
4. 3/4 of 36 =
5. 2/3 of 24 =
6. 7/10 of 90 =
7. 3/8 of 64 =
8. 5/6 of 42 =

Answers: 9; 27; 9; 27; 16; 63; 24; 35

Word problem. The school kitchen has 17 packs of butter. Each pack weighs 1/4 kg. How many kilograms altogether? Write your answer as a mixed number. (17/4 kg = 4 and 1/4 kg)

Based on the Year 4 national curriculum programme of study for fractions. Section 3 follows DfE ready-to-progress criterion 4F-2 and section 4 follows 4F-3. Free to print for home use. © Smart Cub Learning, smartcublearning.com