Steady Steps Maths

FREE SAMPLE WORKSHEET · TOPIC 6

FREE SAMPLE

Adding & Subtracting Fractions

Free sample worksheet · with answers

GRADE 4



1 4/6 + 3/6 = 2 1/6

Common Core 4.NF.B.3a–d

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Quick recap

The big idea from each pack in this topic. Read it first, then try the questions.

Learn it · Pack 1 · Unit fractions

Every fraction is a sum of unit fractions, and it can be split in more than one way.

$\frac{4}{8} = \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} = \frac{1}{8} + \frac{3}{8}$

Learn it · Pack 2 · Mixed numbers

Add the wholes, add the fractions, then regroup.

$3\frac{2}{6} + 1\frac{5}{6} = 4\frac{7}{6} = \mathbf{5\frac{1}{6}}$

Learn it · Pack 3 · Word problems

Same whole, same denominator: add to join, subtract to find what is left.

2 m of rope, $\frac{3}{4}$ m cut off: $2 = 1\frac{4}{4}$, so $\mathbf{1\frac{1}{4}}$ **m** is left

PACK 1 Building Fractions from Unit Fractions

1 Write $\frac{4}{12}$ as a sum of unit fractions.

Answer

2 Write $\frac{5}{10}$ as a sum of two fractions in two different ways.

Answer

3 Write $2\frac{3}{5}$ as a fraction.

Answer

4 Write $\frac{11}{4}$ as a mixed number.

Answer

5 Find the missing number: $1 = \frac{\square}{8}$

Answer

6 Join $\frac{2}{12}$ and $\frac{7}{12}$ of the same cake. What fraction is that?

Answer

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PACK 2 Like Denominators & Mixed Numbers

7 Work out $\frac{5}{12} + \frac{4}{12}$.

Answer

8 Work out $\frac{7}{8} + \frac{5}{8}$.

Answer

9 Work out $1 - \frac{4}{10}$.

Answer

10 Work out $2\frac{1}{5} + 3\frac{3}{5}$.

Answer

11 Work out $4\frac{3}{8} - 1\frac{6}{8}$.

Answer

12 Work out $5 - 1\frac{2}{3}$.

Answer

PACK 3 Fraction Word Problems

13 Huda paints $\frac{2}{6}$ of a fence on Monday and $\frac{3}{6}$ of it on Tuesday. What fraction does she paint?

Answer

14 A jug has $\frac{8}{10}$ litre of water. $\frac{5}{10}$ litre is poured out. How much is left?

Answer

15 A cat weighs $4\frac{1}{4}$ kg and a kitten weighs $1\frac{3}{4}$ kg. How much heavier is the cat?

Answer

16 Ali reads $\frac{3}{8}$ of a book on Friday and $\frac{2}{8}$ on Saturday. What fraction is left to read?

Answer

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Real life

Read carefully, then show your working

17 A painter uses $1\frac{3}{5}$ litres of paint on one wall and $2\frac{4}{5}$ litres on another wall.
(a) How much paint does he use altogether? (b) He had 6 litres. How much paint is left?

Answer

18 Omar walks $\frac{5}{8}$ km to school and $\frac{5}{8}$ km home.
(a) How far does he walk each day? (b) Is that more than 1 km? By how much?

Answer

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Answer key

For parents · check the steps as well as the final answer

Pack 1	**1)** 1/12 + 1/12 + 1/12 + 1/12 **2)** e.g. 1/10 + 4/10 and 2/10 + 3/10 **3)** 13/5 **4)** 2 3/4 **5)** 8 **6)** 9/12 (3/4 also accepted)
Pack 2	**7)** 9/12 (3/4 also accepted) **8)** 1 4/8 (1 1/2 also accepted) **9)** 6/10 (3/5 also accepted) **10)** 5 4/5 **11)** 2 5/8 **12)** 3 1/3
Pack 3	**13)** 5/6 **14)** 3/10 litre **15)** 2 2/4 kg (2 1/2 kg also accepted) **16)** 3/8
Real life	**17)** (a) 4 2/5 litres (b) 1 3/5 litres **18)** (a) 10/8 = 1 2/8 km (1 1/4 km also accepted) (b) Yes, by 2/8 km (1/4 km also accepted)

Tip: Only the numerators are added or subtracted: eighths plus eighths are still eighths. Answers do not need to be simplified.

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Enjoyed this sample?

This sheet has 18 questions. The full topic has 124, plus 10 unit tests.

Everything a Grade 4 student needs on adding and subtracting fractions with like denominators: unit fractions, splitting fractions in different ways, mixed numbers and fractions, regrouping wholes, and word problems.

What you get	What's inside	Questions
Pack 1 · Building Fractions from Unit Fractions	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 4.NF.B.3a–b	43
Pack 2 · Like Denominators & Mixed Numbers	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 4.NF.B.3c	46
Pack 3 · Fraction Word Problems	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 4.NF.B.3d	35
Complete Topic book	All 3 packs in one book with a contents page	124
10 Unit Tests (A–J)	40 marks each, about 40 minutes, with a mark scheme and a "what to revise" table. **Test A is free.**	18 per test

How to use this sample

1. Let your child read the recap page and try the questions on their own.
2. Mark together with the answer key. Each section shows which pack it comes from.
3. If a section felt hard, that pack is the place to start. If it all felt easy, try the free Unit Test A.

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