Steady Steps Maths

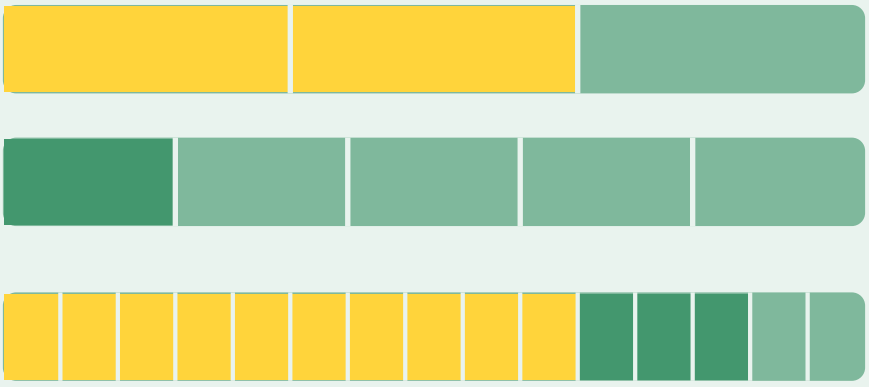
FREE SAMPLE WORKSHEET · TOPIC 5

FREE SAMPLE

Adding & Subtracting Fractions

Free sample worksheet · with answers

GRADE 5



$$\frac{2}{3} + \frac{1}{5} = \frac{13}{15}$$

Common Core 5.NF.A.1–2

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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 · Unlike denominators

Change to a common denominator, then add or subtract the numerators.

$\frac{2}{3} + \frac{1}{5} = \frac{10}{15} + \frac{3}{15} = \frac{\mathbf{13}}{\mathbf{15}}$

Learn it · Pack 2 · Mixed numbers

Add the wholes and the fractions; regroup 1 whole when you need to.

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

Learn it · Pack 3 · Word problems

Estimate with benchmarks (0, $\frac{1}{2}$, 1) to check answers.

$\frac{5}{6} + \frac{1}{8}$ is about 1 + 0 = 1.

PACK 1 Unlike Denominators

1 Work out $\frac{1}{4} + \frac{2}{5}$.

Answer _____

2 Work out $\frac{5}{6} - \frac{1}{3}$.

Answer _____

3 Work out $\frac{3}{4} + \frac{5}{8}$.

Answer _____

4 Work out $\frac{7}{10} - \frac{1}{4}$.

Answer _____

5 Find the missing fraction:
$\frac{1}{3} + \square = \frac{7}{9}$

Answer _____

6 Work out $\frac{1}{2} + \frac{1}{3} + \frac{1}{12}$.

Answer _____

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PACK 2 Mixed Numbers

7 Write $3\frac{3}{4}$ as an improper fraction.

Answer

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

Answer

9 Work out $3\frac{5}{6} - 1\frac{1}{4}$.

Answer

10 Work out $6\frac{1}{5} - 2\frac{1}{2}$.

Answer

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

Answer

12 Work out $6 - 3\frac{2}{5}$.

Answer

PACK 3 Fraction Word Problems

13 Is $\frac{4}{9}$ closest to 0, $\frac{1}{2}$ or 1?

Answer

14 Estimate $\frac{9}{10} + \frac{7}{8}$: about 1 or about 2?

Answer

15 Ben says $\frac{1}{2} + \frac{1}{3} = \frac{2}{5}$. Use a benchmark to show he is wrong.

Answer

16 A bottle holds $\frac{3}{4}$ L. Rana drinks $\frac{1}{3}$ L. How much is left?

Answer

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Real life

Read carefully, then show your working

17 Yusuf walks $1\frac{3}{4}$ km to school and $2\frac{1}{3}$ km to the sports club.
(a) How far does he walk altogether? (b) How much further is the walk to the sports club than the walk to school?

Answer

18 A cake recipe uses $\frac{2}{3}$ cup of sugar and $\frac{1}{4}$ cup of honey.
(a) How much sweetener is that altogether? (b) Is it more or less than 1 cup?

Answer

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Answer key

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

Pack 1	**1)** 13/20 **2)** 1/2 **3)** 1 3/8 **4)** 9/20 **5)** 4/9 **6)** 11/12
Pack 2	**7)** 15/4 **8)** 3 9/10 **9)** 2 7/12 **10)** 3 7/10 **11)** 4 1/6 **12)** 2 3/5
Pack 3	**13)** 1/2 **14)** about 2 **15)** 1/2 + 1/3 is more than 1/2, but 2/5 is less than 1/2, so he is wrong **16)** 5/12 L
Real life	**17)** (a) 4 1/12 km (b) 7/12 km **18)** (a) 11/12 cup (b) less

Tip: Check every answer with benchmarks: 3/4 + 5/8 is more than 1, so the answer must be a mixed number.

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Enjoyed this sample?

This sheet has 18 questions. The full topic has 132, plus 10 unit tests.

Everything a Grade 5 student needs on adding and subtracting fractions: common denominators, unlike denominators, mixed numbers with regrouping, benchmark estimates, and word problems with answers checked for sense.

What you get	What's inside	Questions
Pack 1 · Unlike Denominators	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 5.NF.A.1	46
Pack 2 · Mixed Numbers	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 5.NF.A.1	46
Pack 3 · Fraction Word Problems	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 5.NF.A.2	40
Complete Topic book	All 3 packs in one book with a contents page	132
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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