Steady Steps Maths

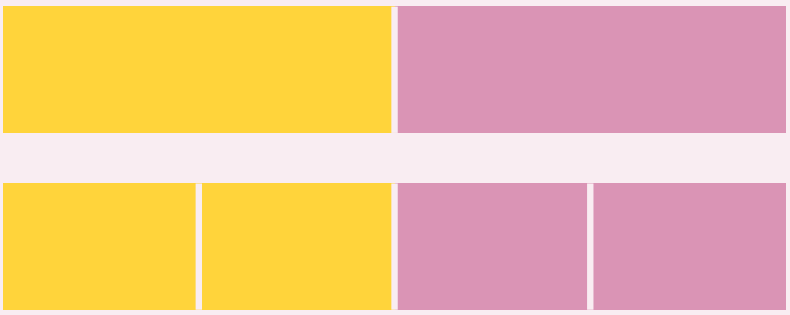
FREE SAMPLE WORKSHEET · TOPIC 6

FREE SAMPLE

Equivalent & Comparing Fractions

Free sample worksheet · with answers

GRADE 3



$\frac{1}{2}$

$\frac{2}{4}$

$\frac{1}{2} = \frac{2}{4}$

Common Core 3.NF.A.3a–d

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Name _____ Date _____

Quick recap

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

Learn it · Pack 1 · Equivalent fractions

Same size, different names.

$\frac{1}{2}$ of a strip is the same as $\frac{4}{8}$: $\frac{1}{2} = \frac{4}{8}$.

Learn it · Pack 2 · Whole numbers as fractions

A whole number can be written as a fraction.

$\frac{4}{4} = 1$ and $\frac{6}{2} = 3$.

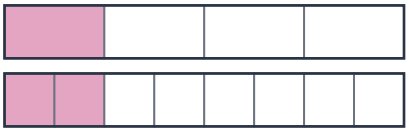
Learn it · Pack 3 · Comparing fractions

Same denominator: more parts is bigger. Same numerator: fewer parts means bigger parts.

$\frac{5}{8} > \frac{3}{8}$ and $\frac{1}{4} > \frac{1}{6}$.

PACK 1 Equivalent Fractions

1 The strips are the same size. Write two equivalent fractions.



Answer

2 Find ☐: $\frac{1}{2} = \frac{☐}{6}$

Answer

3 Find ☐: $\frac{☐}{3} = \frac{4}{6}$

Answer

4 True or false? $\frac{2}{6} = \frac{1}{3}$

Answer

5 True or false? $\frac{1}{4} = \frac{3}{8}$

Answer

6 Write a fraction equal to $\frac{1}{2}$ with denominator 4.

Answer

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PACK 2 Whole Numbers as Fractions

7 Write 1 whole as a fraction with denominator 8.

Answer

8 Write 5 as a fraction with denominator 1.

Answer

9 Write $^{9}/_{3}$ as a whole number.

Answer

10 How many quarters make 2 wholes?

Answer

11 Is $^{6}/_{6}$ equal to 1? Write yes or no.

Answer

12 Write $^{8}/_{2}$ as a whole number.

Answer

PACK 3 Comparing Fractions

13 Write <, > or = : $^{2}/_{6}$ ___ $^{5}/_{6}$

Answer

14 Write <, > or = : $^{2}/_{3}$ ___ $^{2}/_{8}$

Answer

15 Which is bigger: $^{1}/_{4}$ or $^{1}/_{2}$?

Answer

16 Put in order, smallest first: $^{4}/_{8}$, $^{1}/_{8}$, $^{7}/_{8}$

Answer

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Real life

Read carefully, then show your working

17 Rana and Bilal each have a chocolate bar of the same size. Rana eats $\frac{3}{4}$ of hers. Bilal eats $\frac{5}{8}$ of his.
(a) Write $\frac{3}{4}$ as eighths. (b) Who eats more?

Answer

18 A ribbon is cut into 3 equal pieces and another same-size ribbon into 6 equal pieces.
(a) Which ribbon has more pieces? (b) Which pieces are longer?

Answer

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Answer key

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

Pack 1	**1)** 1/4 = 2/8 **2)** 3 **3)** 2 **4)** true **5)** false **6)** 2/4
Pack 2	**7)** 8/8 **8)** 5/1 **9)** 3 **10)** 8 **11)** yes **12)** 4
Pack 3	**13)** < **14)** > **15)** 1/2 **16)** 1/8, 4/8, 7/8
Real life	**17)** (a) 6/8 (b) Rana (6/8 > 5/8) **18)** (a) the one cut into sixths (b) the thirds

Tip: Accept any equivalent fraction or a correct comparison written the other way round (e.g. 5/6 > 2/6).

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Enjoyed this sample?

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

Everything a Grade 3 student needs on equivalent and comparing fractions: fractions that are the same size or at the same point, simple equivalent fractions, whole numbers as fractions, and comparing fractions with the same numerator or the same denominator.

What you get	What's inside	Questions
Pack 1 · Equivalent Fractions	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 3.NF.A.3a–b	38
Pack 2 · Whole Numbers as Fractions	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 3.NF.A.3c	43
Pack 3 · Comparing Fractions	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 3.NF.A.3d	43
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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