Steady Steps Maths

FREE SAMPLE WORKSHEET · TOPIC 7

FREE SAMPLE

Dividing with Unit Fractions

Free sample worksheet · with answers

GRADE 5



$$3 \div \frac{1}{4} = 12$$

Common Core 5.NF.B.7a–c

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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 fraction ÷ whole

Share the piece into equal parts:

$\frac{1}{3} \div 2 = \frac{1}{6}$

Check: $\frac{1}{6} \times 2 = \frac{1}{3}$.

Learn it · Pack 2 · Whole ÷ unit fraction

Count how many pieces fit:

$3 \div \frac{1}{4} = 12$

Check: $12 \times \frac{1}{4} = 3$.

PACK 1 Unit Fraction ÷ Whole Number

1. Work out $\frac{1}{2} \div 3$.

Answer _____

2. Work out $\frac{1}{4} \div 2$.

Answer _____

3. Work out $\frac{1}{5} \div 4$.

Answer _____

4. Work out $\frac{1}{3} \div 5$.

Answer _____

5. Write the multiplication that checks $\frac{1}{2} \div 4 = \frac{1}{8}$.

Answer _____

6. Find the missing number:
$\frac{1}{6} \div \square = \frac{1}{18}$

Answer _____

7. $\frac{1}{2}$ kg of grapes is shared by 5 children. How much does each get?

Answer _____

8. Which is bigger:
$\frac{1}{3} \div 2$ or $\frac{1}{3} \div 4$?

Answer _____

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PACK 2

Whole Number ÷ Unit Fraction

9 Work out $2 \div \frac{1}{5}$.

Answer

10 Work out $4 \div \frac{1}{3}$.

Answer

11 Work out $6 \div \frac{1}{2}$.

Answer

12 Work out $5 \div \frac{1}{4}$.

Answer

13 Write the multiplication that checks $3 \div \frac{1}{6} = 18$.

Answer

14 Find the missing number:
$\square \div \frac{1}{8} = 16$

Answer

15 How many $\frac{1}{3}$-hour lessons fit into 4 hours?

Answer

16 How many $\frac{1}{4}$ m pieces can be cut from 7 m?

Answer

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Real life

Read carefully, then show your working

17 Dina has 3 cups of rice. Each serving is $\frac{1}{4}$ cup.
(a) How many servings is that? (b) Check your answer by multiplying.

Answer

18 A $\frac{1}{2}$ m strip of paper is cut into 3 equal pieces.
(a) How long is each piece? (b) How many of these pieces would fit into 2 m?

Answer

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Answer key

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

Pack 1	**1)** 1/6 **2)** 1/8 **3)** 1/20 **4)** 1/15 **5)** 1/8 × 4 = 1/2 **6)** 3 **7)** 1/10 kg **8)** 1/3 ÷ 2 (= 1/6)
Pack 2	**9)** 10 **10)** 12 **11)** 12 **12)** 20 **13)** 18 × 1/6 = 3 **14)** 2 **15)** 12 **16)** 28
Real life	**17)** (a) 12 (b) 12 × 1/4 = 3 **18)** (a) 1/6 m (b) 12

Tip: Sharing a piece makes it smaller (1/2 ÷ 3 = 1/6); counting pieces in wholes makes a bigger number (6 ÷ 1/2 = 12).

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Enjoyed this sample?

This sheet has 18 questions. The full topic has 80, plus 10 unit tests.

Everything a Grade 5 student needs on dividing with unit fractions: sharing a unit fraction by a whole number, finding how many unit fractions fit into a whole number, checking by multiplying, and solving real-life problems.

What you get	What's inside	Questions
Pack 1 · Unit Fraction ÷ Whole Number	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 5.NF.B.7a, 5.NF.B.7c	40
Pack 2 · Whole Number ÷ Unit Fraction	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 5.NF.B.7b, 5.NF.B.7c	40
Complete Topic book	All 2 packs in one book with a contents page	80
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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