Steady Steps Maths

FREE SAMPLE WORKSHEET · TOPIC 4

FREE SAMPLE

Division & Decimals

Free sample worksheet · with answers

GRADE 6



123 × 12 = 1,476 ✓

Common Core 6.NS.B.2–3

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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 · Long division

Divide, multiply, subtract, bring down, then repeat.

1,476 ÷ 12 = **123**. Check: 123 × 12 = 1,476 ✓

Learn it · Pack 2 · Line up the points

Line up the decimal points. Fill any gaps with zeros.

12.5 − 3.68 → 12.50 − 3.68 = **8.82**

Learn it · Pack 3 · Multiplying decimals

Multiply without the points, then count the decimal places in the question.

2.4 × 0.3: 24 × 3 = 72, two decimal places → **0.72**

Learn it · Pack 4 · Dividing decimals

Make the divisor a whole number: multiply both numbers by 10 or 100.

4.8 ÷ 0.6 → 48 ÷ 6 = **8**

PACK 1 Long Division

1 Work out 2,856 ÷ 7.

Answer

2 Work out 1,035 ÷ 15.

Answer

3 Work out 4,620 ÷ 22.

Answer

4 97 pupils go on a trip. Each minibus holds 12 pupils. How many minibuses are needed?

Answer

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PACK 2 Adding & Subtracting Decimals

5 Work out 6.45 + 3.8.

Answer

6 Work out 15 − 4.37.

Answer

7 Work out 23.06 + 7.94.

Answer

8 Work out 8.2 − 5.75.

Answer

PACK 3 Multiplying Decimals

9 Work out 3.6 × 4.

Answer

10 Work out 0.7 × 0.8.

Answer

11 Work out 2.15 × 100.

Answer

12 Work out 4.5 × 1.2.

Answer

PACK 4 Dividing Decimals

13 Work out 9.6 ÷ 4.

Answer

14 Work out 7.2 ÷ 0.9.

Answer

15 Write 3 ÷ 8 as a decimal.

Answer

16 Work out 1.44 ÷ 0.12.

Answer

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Real life

Read carefully, then show your working

17 Maya buys 3 notebooks for 2.45 each and a pen for 1.80. She pays with 10.00.
(a) How much does she spend? (b) How much change does she get?

Answer

18 A roll of ribbon is 12.6 m long.
(a) How many 0.35 m pieces can be cut from it? (b) Each piece costs 0.40 to make. What is the total cost?

Answer

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Answer key

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

Pack 1	**1)** 408 **2)** 69 **3)** 210 **4)** 9 minibuses (8 r 1, so one more)
Pack 2	**5)** 10.25 **6)** 10.63 **7)** 31 **8)** 2.45
Pack 3	**9)** 14.4 **10)** 0.56 **11)** 215 **12)** 5.4
Pack 4	**13)** 2.4 **14)** 8 **15)** 0.375 **16)** 12
Real life	**17)** (a) 9.15 (b) 0.85 **18)** (a) 36 pieces (b) 14.40

Tip: Most decimal mistakes are about the point. Ask your child to estimate first: 4.5 × 1.2 is about 5, so 54 or 0.54 can't be right.

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Enjoyed this sample?

This sheet has 18 questions. The full topic has 172, plus 10 unit tests.

Everything a Grade 6 student needs on dividing whole numbers and working with decimals: long division with 1- and 2-digit divisors, then adding, subtracting, multiplying and dividing decimals, with estimating and checking throughout.

What you get	What's inside	Questions
Pack 1 · Long Division	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 6.NS.B.2	40
Pack 2 · Adding & Subtracting Decimals	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 6.NS.B.3	40
Pack 3 · Multiplying Decimals	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 6.NS.B.3	46
Pack 4 · Dividing Decimals	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 6.NS.B.3	46
Complete Topic book	All 4 packs in one book with a contents page	172
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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