Steady Steps Maths

FREE SAMPLE WORKSHEET · TOPIC 2

FREE SAMPLE

Place Value & Decimals

Free sample worksheet · with answers

GRADE 5



Common Core 5.NBT.A.1–4

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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 · Place value patterns

Each place is 10 times the place to its right, and $\frac{1}{10}$ of the place to its left.

In 55.5 the first 5 is worth 50, which is 10 times the next 5.

Learn it · Pack 2 · Powers of 10

10^3 = 1,000. × 10^2 moves every digit 2 places left.

3.6 × 100 = 360 · 47 ÷ 1,000 = 0.047

Learn it · Pack 3 · Reading & comparing

6.205 = six and two hundred five thousandths.

Compare digit by digit from the left: 0.41 > 0.398.

Learn it · Pack 4 · Rounding

Look at the digit to the right of the place you round to: 5 or more rounds up.

7.364 → 7.4 (nearest tenth)

7.364 → 7.36 (nearest hundredth)

PACK 1 Place Value Patterns

1. What is the value of the 6 in 4,618.2?

Answer _____

2. In 333, the first 3 is how many times the value of the middle 3?

Answer _____

3. What is $\frac{1}{10}$ of 7,200?

Answer _____

4. Complete: 0.4 × 10 = ☐

Answer _____

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PACK 2 Powers of 10

5 Write 10^4 as a whole number.

Answer

6 Work out 2.75 × 100.

Answer

7 Work out 68 ÷ 100.

Answer

8 Work out 0.9×10^3.

Answer

PACK 3 Reading, Writing & Comparing Decimals

9 Write as a decimal: nine and forty-one thousandths.

Answer

10 Write 3.52 in expanded form.

Answer

11 Write <, > or =: 0.7 ☐ 0.70

Answer

12 Order from smallest: 2.3, 2.03, 2.33, 2.303

Answer

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PACK 4

Rounding Decimals

13 Round 12.68 to the nearest whole number.

Answer

14 Round 4.351 to the nearest tenth.

Answer

15 Round 0.846 to the nearest hundredth.

Answer

16 Round 9.97 to the nearest tenth.

Answer

Real life

Read carefully, then show your working

17 A jar of 1,000 buttons has a mass of 2,450 g.
(a) What is the mass of one button? (b) What is the mass of 10 buttons?

Answer

18 Three long jumps were 3.48 m, 3.5 m and 3.405 m.
(a) Which was the longest? (b) Round each jump to the nearest tenth.

Answer

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Answer key

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

Pack 1	**1)** 600 **2)** 10 times **3)** 720 **4)** 4
Pack 2	**5)** 10,000 **6)** 275 **7)** 0.68 **8)** 900
Pack 3	**9)** 9.041 **10)** 3 × 1 + 5 × (1/10) + 2 × (1/100) **11)** = **12)** 2.03, 2.3, 2.303, 2.33
Pack 4	**13)** 13 **14)** 4.4 **15)** 0.85 **16)** 10.0
Real life	**17)** (a) 2.45 g (b) 24.5 g **18)** (a) 3.5 m (b) 3.5 m, 3.5 m, 3.4 m

Tip: When rounding 9.97 to the nearest tenth, the answer 10.0 keeps its zero to show it is rounded to tenths.

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Enjoyed this sample?

This sheet has 18 questions. The full topic has 187, plus 10 unit tests.

Everything a Grade 5 student needs on place value and decimals: 10 times as much and 1/10 of, powers of 10 and exponents, reading, writing and comparing decimals to thousandths, expanded form, and rounding decimals to any place.

What you get	What's inside	Questions
Pack 1 · Place Value Patterns	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 5.NBT.A.1	46
Pack 2 · Powers of 10	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 5.NBT.A.2	49
Pack 3 · Reading, Writing & Comparing Decimals	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 5.NBT.A.3a–b	46
Pack 4 · Rounding Decimals	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 5.NBT.A.4	46
Complete Topic book	All 4 packs in one book with a contents page	187
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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