Steady Steps Maths

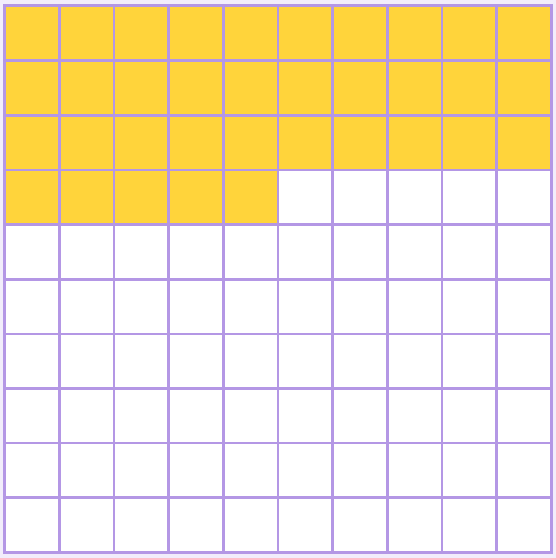
FREE SAMPLE WORKSHEET · TOPIC 2

FREE SAMPLE

Percents

Free sample worksheet · with answers

GRADE 6



35%

35 out of 100

Common Core 6.RP.A.3c

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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 · Percent means out of 100

37% = 37 out of 100 = $^{37}/_{100}$ = 0.37.
Fraction → percent: make the denominator 100. $^{3}/_{5}$ = $^{60}/_{100}$ = **60%**.
Decimal → percent: multiply by 100. 0.45 = **45%**.

Learn it · Pack 2 · Percent of a number

Use benchmarks: 10% → ÷ 10, 50% → ÷ 2, 25% → ÷ 4, 1% → ÷ 100.
35% of 80: 10% = 8, so 30% = 24 and 5% = 4. Total **28**.

Learn it · Pack 3 · Finding the whole

If 20% of a number is 14, then 10% is 7, so 100% is **70**.
Check: 20% of 70 = 14 ✓

PACK 1 What Is a Percent?

1 Write 43% as a fraction.

Answer _____

2 Write 0.08 as a percent.

Answer _____

3 Write $^{7}/_{20}$ as a percent.

Answer _____

4 Write 65% as a fraction in simplest form.

Answer _____

5 Write 1.2 as a percent.

Answer _____

6 Which is the greatest? 0.4 $^{3}/_{8}$ 42%

Answer _____

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PACK 2 Percent of a Number

7 Find 10% of 360.

Answer

8 Find 25% of 48.

Answer

9 Find 15% of 60.

Answer

10 Find 1% of 750.

Answer

11 A jacket costs 70.00. In a sale it has 30% off. How much is taken off?

Answer

12 Find 120% of 45.

Answer

PACK 3 Finding the Whole

13 10% of a number is 9. What is the number?

Answer

14 50% of a number is 23. What is the number?

Answer

15 25% of a number is 15. What is the number?

Answer

16 30% of a number is 42. What is the number?

Answer

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Real life

Read carefully, then show your working

17 In a class of 25 students, 60% walk to school and the rest come by bus.
(a) How many students walk? (b) What percent come by bus? (c) How many come by bus?

Answer

18 Omar has saved 36. This is 40% of the price of a bike.
(a) How much does the bike cost? (b) How much more does he need to save?

Answer

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Answer key

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

Pack 1	**1)** $^{43}/_{100}$ **2)** 8% **3)** 35% **4)** $^{13}/_{20}$ **5)** 120% **6)** 42% (0.4 = 40%, $^{3}/_{8}$ = 37.5%)
Pack 2	**7)** 36 **8)** 12 **9)** 9 **10)** 7.5 **11)** 21.00 **12)** 54
Pack 3	**13)** 90 **14)** 46 **15)** 60 **16)** 140
Real life	**17)** (a) 15 (b) 40% (c) 10 **18)** (a) 90 (b) 54

Tip: If your child gets stuck, start from 10%: it is easy to find, and most other percents can be built from it.

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Enjoyed this sample?

This sheet has 18 questions. The full topic has 156, plus 10 unit tests.

Everything a Grade 6 student needs on percents: what a percent means, changing between fractions, decimals and percents, finding a percent of a number, discounts, and working backwards to find the whole.

What you get	What's inside	Questions
Pack 1 · What Is a Percent?	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 6.RP.A.3c	57
Pack 2 · Percent of a Number	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 6.RP.A.3c	52
Pack 3 · Finding the Whole	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 6.RP.A.3c	47
Complete Topic book	All 3 packs in one book with a contents page	156
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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