Steady Steps Maths

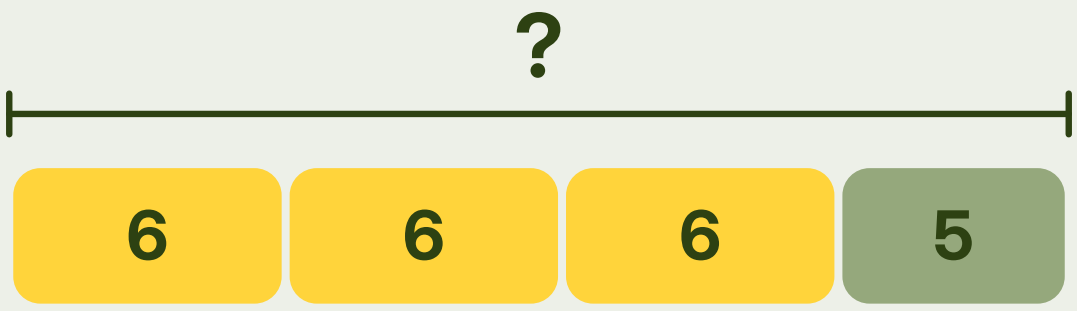
FREE SAMPLE WORKSHEET · TOPIC 3

FREE SAMPLE

Two-Step Problems & Patterns

Free sample worksheet · with answers

GRADE 3



3 × 6 = 18

18 + 5 = 23

Common Core 3.OA.D.8–9

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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 · Two-step problems

Plan both steps. Use a letter for the unknown and estimate to check.

3 boxes of 8 pens and 5 loose pens:

p = 3 × 8 + 5 = **29**.

Learn it · Pack 2 · Patterns

Look for a rule. Odd and even numbers follow patterns too.

5, 9, 13, 17 ... adds 4 each time.

Odd + even = odd.

PACK 1 Two-Step Word Problems

1. Lina has 35 shells. She finds 12 more, then gives away 9. How many now?

Answer

2. 4 packs of 7 cards and 6 loose cards. How many cards?

Answer

3. Find n: n = 6 × 5 − 8

Answer

4. Find t: t = (40 − 4) ÷ 6

Answer

5. Round to the nearest ten to estimate 48 + 33.

Answer

6. Sam says 312 + 279 = 891. Round to the nearest hundred to check. Is he right?

Answer

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7 A box holds 9 apples. How many apples in 7 boxes and 4 loose apples?

..... Answer

8 Write an equation with a letter: 50 beads, 14 used, the rest shared by 4.

..... Answer

PACK 2 Patterns in Number Tables

9 Is 47 odd or even?

Answer

10 Is the sum of 15 and 23 odd or even?

Answer

11 What is the rule? 12, 18, 24, 30 ...

Answer

12 What comes next? 3, 7, 11, 15, ___

Answer

13 In an addition table, row 6 meets column 8. What number is there?

Answer

14 Are the numbers in the 4 times table odd, even, or a mix?

Answer

15 Will 5 × 9 be odd or even?

Answer

16 A pattern starts at 2 and adds 5. Write the first 5 numbers.

Answer

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Real life

Read carefully, then show your working

17 A bus has 9 rows of 4 seats. 27 people get on.
(a) How many seats are there? (b) How many seats are empty?

Answer

18 Tickets cost 8 for adults and 5 for children. A family buys 2 adult and 3 child tickets.
(a) What is the total cost? (b) They pay with 40. How much change?

Answer

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Answer key

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

Pack 1	**1)** 38 shells **2)** 34 cards **3)** n = 22 **4)** t = 6 **5)** 50 + 30 = 80 **6)** 300 + 300 = 600, so no (591) **7)** 67 apples **8)** b = (50 − 14) ÷ 4; b = 9
Pack 2	**9)** odd **10)** even (38) **11)** add 6 **12)** 19 **13)** 14 **14)** all even **15)** odd (45) **16)** 2, 7, 12, 17, 22
Real life	**17)** (a) 36 seats (b) 9 seats **18)** (a) 16 + 15 = 31 (b) 9

Tip: Any correct equation with a letter is fine. Estimates should use the rounding asked for; halfway rounds up.

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Enjoyed this sample?

This sheet has 18 questions. The full topic has 79, plus 10 unit tests.

Everything a Grade 3 student needs on two-step word problems and number patterns: planning both steps, writing an equation with a letter, the order of operations, checking with rounding, and patterns in addition and multiplication tables.

What you get	What's inside	Questions
Pack 1 · Two-Step Word Problems	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 3.OA.D.8	37
Pack 2 · Patterns in Number Tables	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 3.OA.D.9	42
Complete Topic book	Both packs in one book with a contents page	79
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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