Grade 2 Math: Printables Pack

Grade 2 Math · Contents

1. Hundred chart
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3. Base-ten cut-outs
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8. Addition and subtraction flashcards
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10. Fact-mastery tracker
11. Graph paper
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13. Unit checks and exams with keys

Print only what you need. The lesson worksheets and their keys are separate PDFs linked from each lesson.

Hundred Chart

Grade 2 Math · For counting, skip counting and finding patterns.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

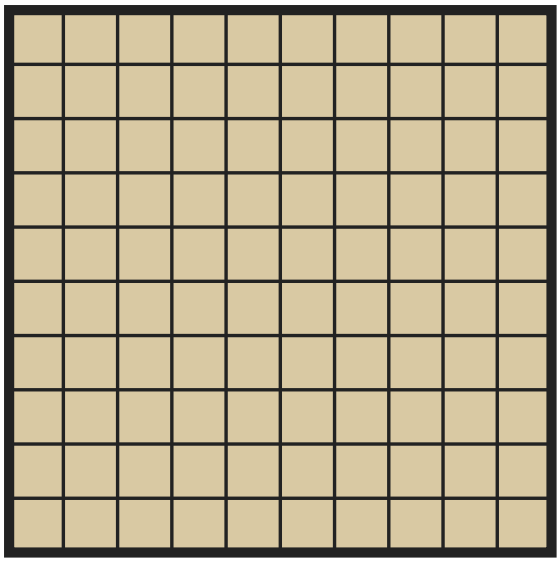
Place-Value Mat

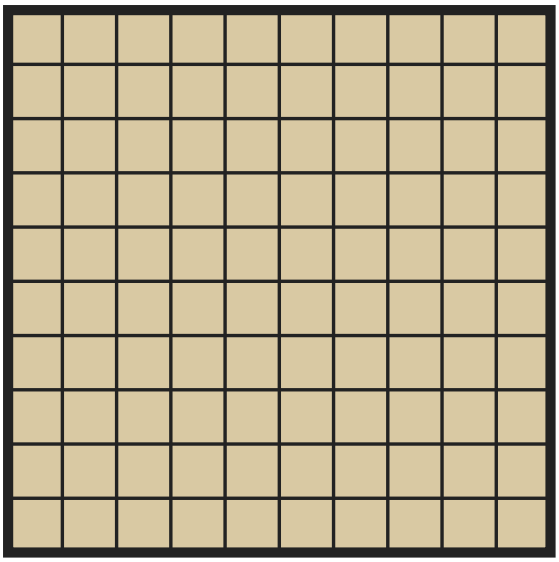
Grade 2 Math · Put blocks or digit cards in the right column.

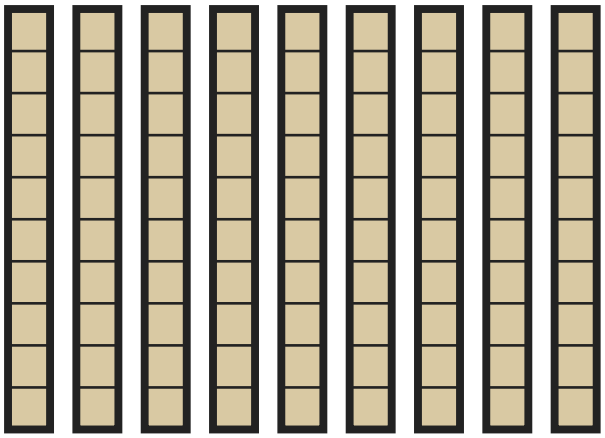
Hundreds	Tens	Ones

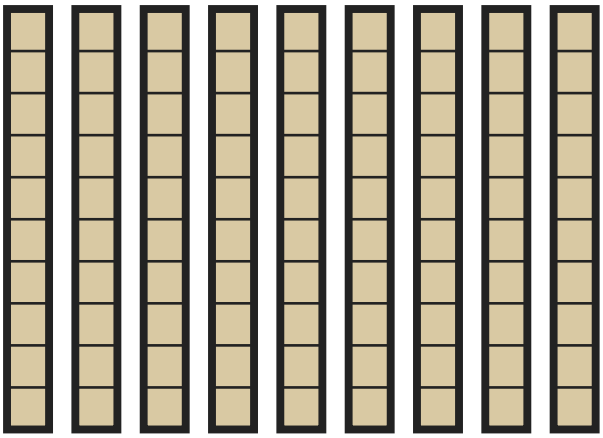
Base-Ten Cut-Outs

Grade 2 Math · Cut out hundreds flats, tens rods and ones cubes.



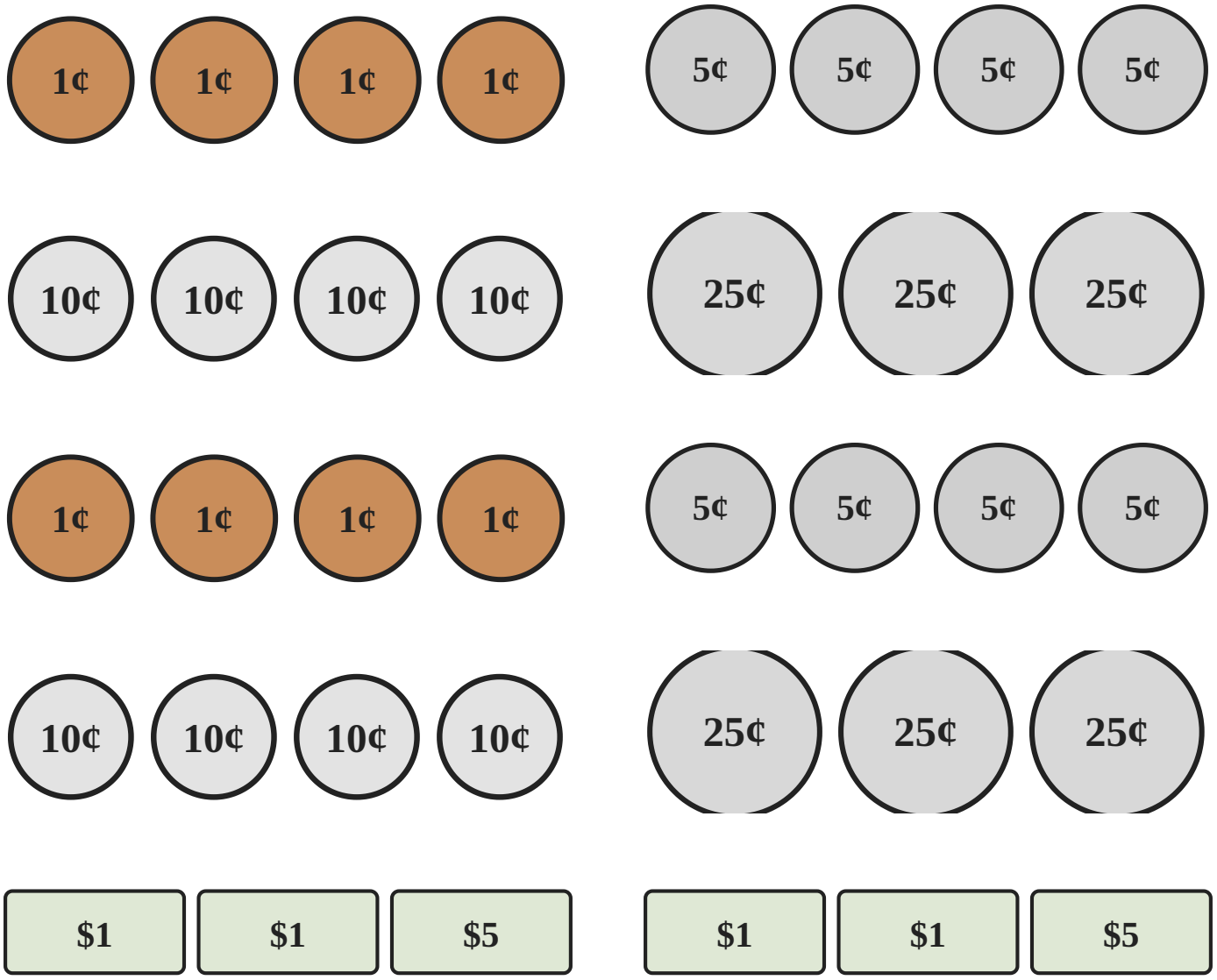






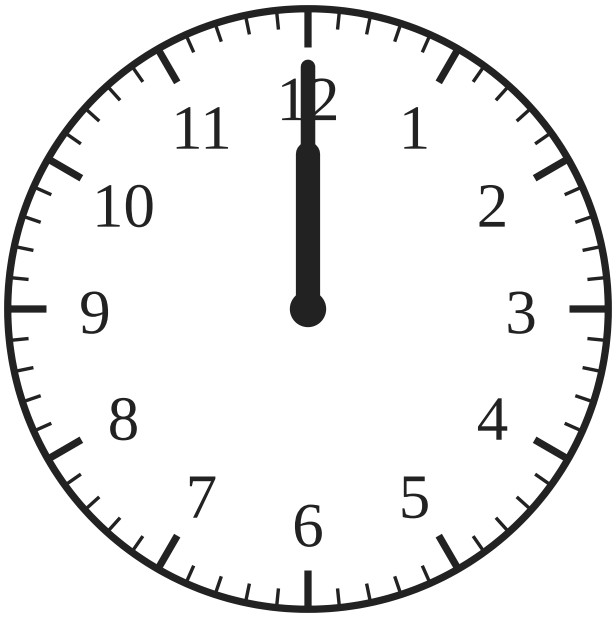
Play Money

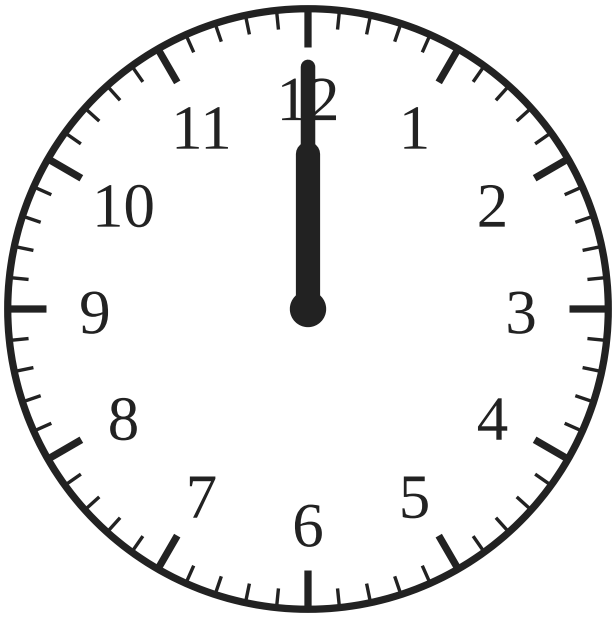
Grade 2 Math · Cut out the coins and bills for store games.

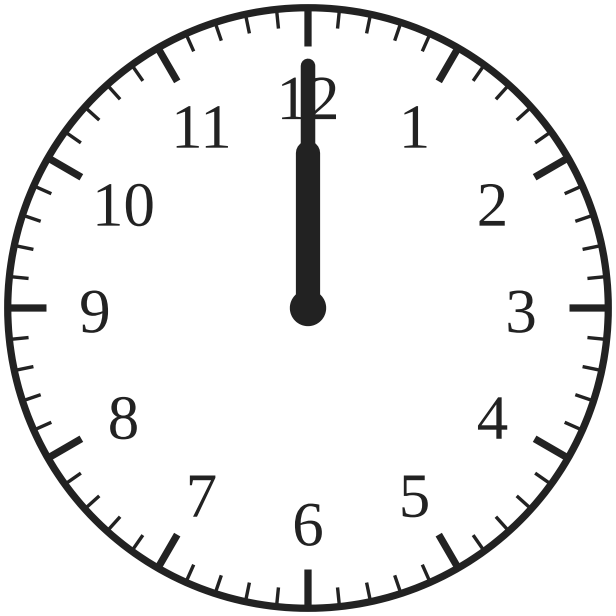


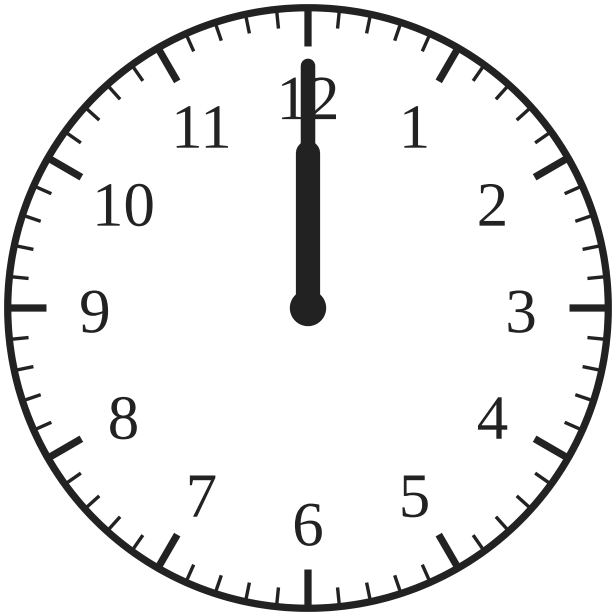
Blank Clocks

Grade 2 Math · Draw the hands for a time your parent says. Cut out one face and add paper hands with a brad.



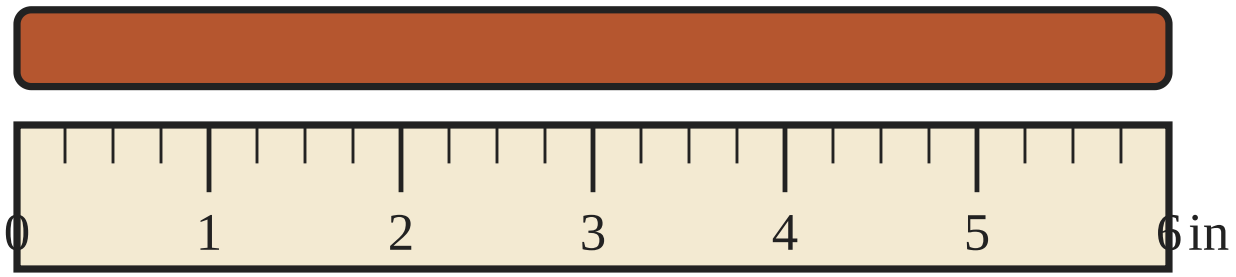


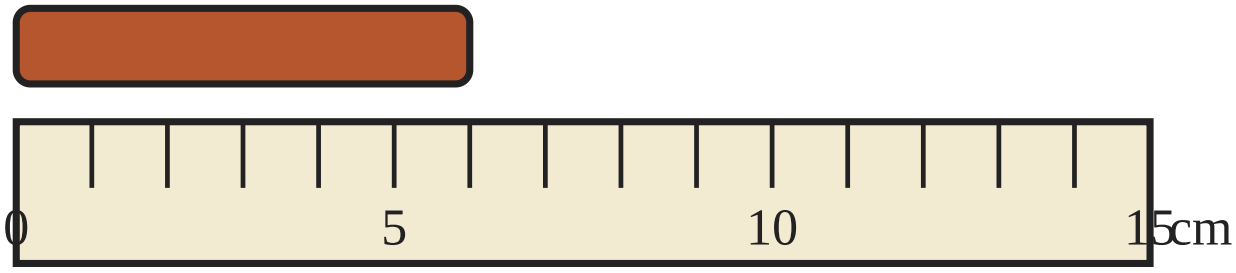


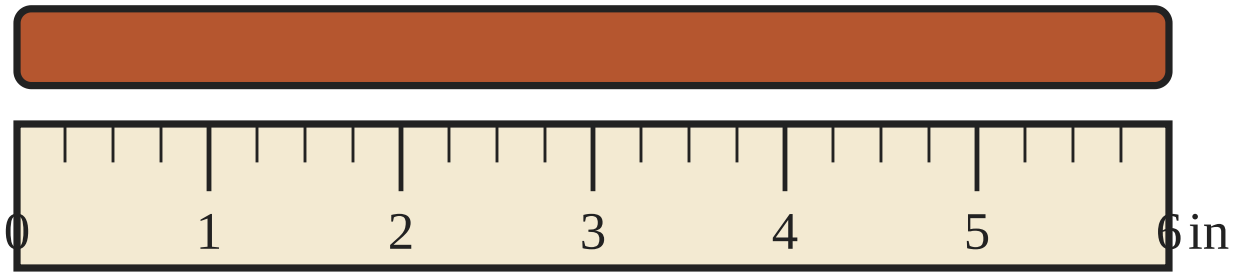


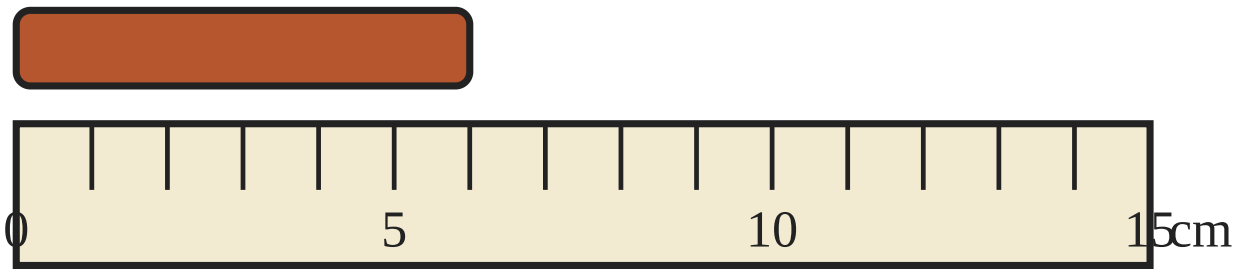
Paper Rulers

Grade 2 Math · Print at 100% (actual size, not “fit to page”) and check one inch against a real ruler before use.



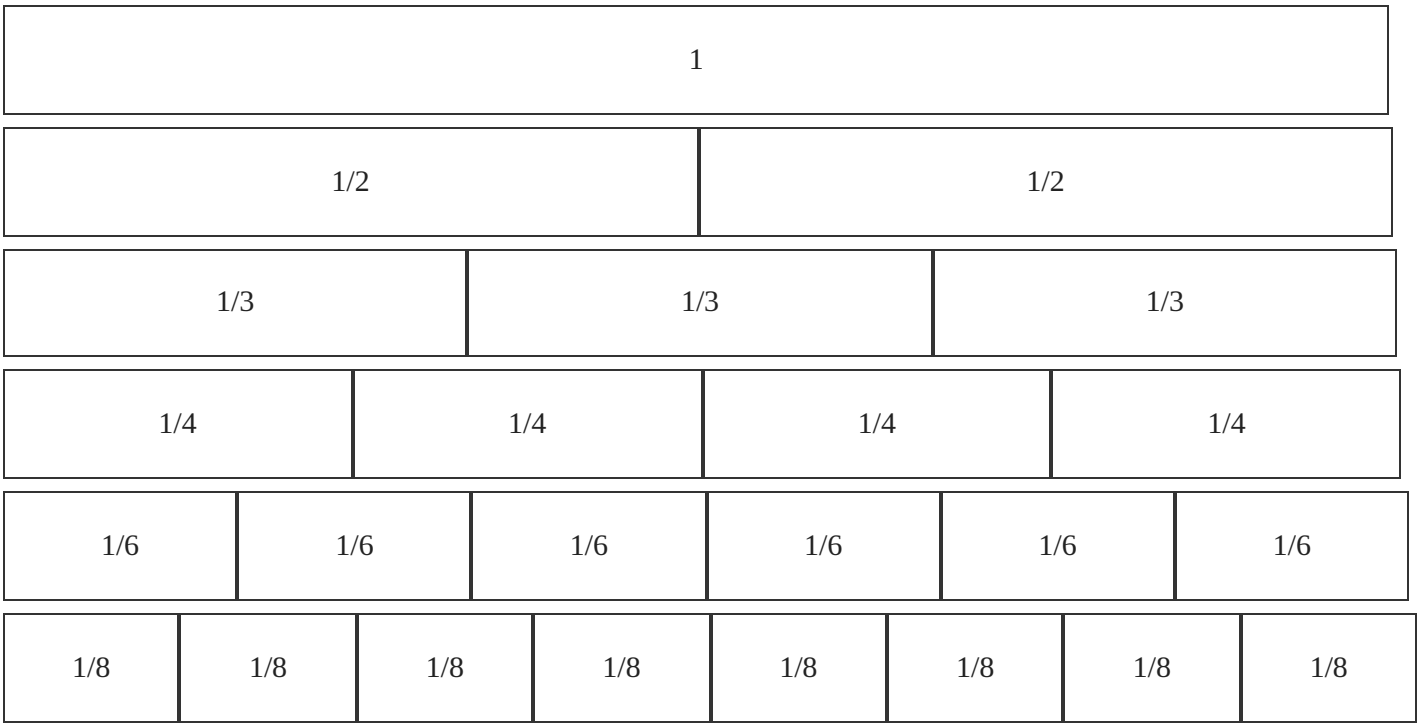






Fraction Strips

Grade 2 Math · Cut out each strip. Compare pieces to find equivalent fractions.



Flashcards (+ facts)

Grade 2 Math · Cut on the dashed lines. Print on cardstock if you can.

2 + 2	2 + 3	2 + 4	2 + 5
2 + 6	2 + 7	2 + 8	2 + 9
3 + 3	3 + 4	3 + 5	3 + 6
3 + 7	3 + 8	3 + 9	4 + 4
4 + 5	4 + 6	4 + 7	4 + 8

Flashcards (+ facts)

Grade 2 Math · Cut on the dashed lines. Print on cardstock if you can.

4 + 9	5 + 5	5 + 6	5 + 7
5 + 8	5 + 9	6 + 6	6 + 7
6 + 8	6 + 9	7 + 7	7 + 8
7 + 9	8 + 8	8 + 9	9 + 9

Flashcards (− facts)

Grade 2 Math · Cut on the dashed lines. Print on cardstock if you can.

11 − 9	11 − 8	12 − 9	11 − 7
12 − 8	13 − 9	11 − 6	12 − 7
13 − 8	14 − 9	11 − 5	12 − 6
13 − 7	14 − 8	15 − 9	11 − 4
12 − 5	13 − 6	14 − 7	15 − 8

Timed Drill: Addition Facts

Grade 2 Math · One minute (or as long as it takes; record the time). Score ____ / 60

9 + 7 = ____	7 + 1 = ____	3 + 1 = ____	3 + 5 = ____
9 + 8 = ____	2 + 3 = ____	3 + 5 = ____	6 + 1 = ____
3 + 3 = ____	2 + 7 = ____	2 + 6 = ____	5 + 1 = ____
3 + 5 = ____	4 + 2 = ____	1 + 5 = ____	3 + 8 = ____
9 + 3 = ____	2 + 6 = ____	3 + 4 = ____	9 + 1 = ____
9 + 1 = ____	7 + 6 = ____	2 + 1 = ____	2 + 4 = ____
6 + 4 = ____	7 + 3 = ____	7 + 2 = ____	2 + 2 = ____
4 + 4 = ____	6 + 2 = ____	5 + 7 = ____	9 + 5 = ____
4 + 7 = ____	5 + 8 = ____	2 + 4 = ____	2 + 3 = ____
3 + 4 = ____	6 + 3 = ____	5 + 4 = ____	2 + 4 = ____
7 + 3 = ____	2 + 3 = ____	7 + 6 = ____	5 + 7 = ____
4 + 7 = ____	2 + 2 = ____	8 + 8 = ____	6 + 6 = ____
3 + 6 = ____	9 + 2 = ____	1 + 6 = ____	7 + 7 = ____
1 + 4 = ____	7 + 5 = ____	1 + 8 = ____	2 + 9 = ____
9 + 9 = ____	8 + 1 = ____	6 + 8 = ____	2 + 7 = ____

Timed Drill Key: Addition Facts

Grade 2 Math · For the parent. Every answer is computer-checked.

9 + 7 = **16**	7 + 1 = **8**	3 + 1 = **4**	3 + 5 = **8**
9 + 8 = **17**	2 + 3 = **5**	3 + 5 = **8**	6 + 1 = **7**
3 + 3 = **6**	2 + 7 = **9**	2 + 6 = **8**	5 + 1 = **6**
3 + 5 = **8**	4 + 2 = **6**	1 + 5 = **6**	3 + 8 = **11**
9 + 3 = **12**	2 + 6 = **8**	3 + 4 = **7**	9 + 1 = **10**
9 + 1 = **10**	7 + 6 = **13**	2 + 1 = **3**	2 + 4 = **6**
6 + 4 = **10**	7 + 3 = **10**	7 + 2 = **9**	2 + 2 = **4**
4 + 4 = **8**	6 + 2 = **8**	5 + 7 = **12**	9 + 5 = **14**
4 + 7 = **11**	5 + 8 = **13**	2 + 4 = **6**	2 + 3 = **5**
3 + 4 = **7**	6 + 3 = **9**	5 + 4 = **9**	2 + 4 = **6**
7 + 3 = **10**	2 + 3 = **5**	7 + 6 = **13**	5 + 7 = **12**
4 + 7 = **11**	2 + 2 = **4**	8 + 8 = **16**	6 + 6 = **12**
3 + 6 = **9**	9 + 2 = **11**	1 + 6 = **7**	7 + 7 = **14**
1 + 4 = **5**	7 + 5 = **12**	1 + 8 = **9**	2 + 9 = **11**
9 + 9 = **18**	8 + 1 = **9**	6 + 8 = **14**	2 + 7 = **9**

Timed Drill: Subtraction Facts

Grade 2 Math · One minute (or as long as it takes; record the time). Score ____ / 60

12 − 6 = ____	12 − 5 = ____	9 − 8 = ____	12 − 4 = ____
10 − 5 = ____	12 − 4 = ____	4 − 2 = ____	6 − 5 = ____
13 − 5 = ____	10 − 5 = ____	13 − 5 = ____	18 − 9 = ____
11 − 6 = ____	16 − 8 = ____	10 − 6 = ____	9 − 8 = ____
12 − 3 = ____	11 − 2 = ____	11 − 8 = ____	13 − 5 = ____
12 − 3 = ____	4 − 3 = ____	10 − 9 = ____	10 − 5 = ____
11 − 2 = ____	14 − 9 = ____	4 − 1 = ____	8 − 7 = ____
11 − 2 = ____	17 − 9 = ____	12 − 3 = ____	5 − 4 = ____
9 − 4 = ____	14 − 5 = ____	10 − 3 = ____	13 − 5 = ____
10 − 3 = ____	15 − 9 = ____	9 − 1 = ____	16 − 7 = ____
11 − 4 = ____	18 − 9 = ____	12 − 5 = ____	7 − 5 = ____
11 − 4 = ____	14 − 9 = ____	11 − 9 = ____	7 − 5 = ____
13 − 9 = ____	10 − 8 = ____	5 − 1 = ____	11 − 6 = ____
11 − 8 = ____	8 − 2 = ____	7 − 1 = ____	8 − 1 = ____
10 − 7 = ____	7 − 6 = ____	12 − 8 = ____	5 − 2 = ____

Timed Drill Key: Subtraction Facts

Grade 2 Math · For the parent. Every answer is computer-checked.

12 − 6 = **6**	12 − 5 = **7**	9 − 8 = **1**	12 − 4 = **8**
10 − 5 = **5**	12 − 4 = **8**	4 − 2 = **2**	6 − 5 = **1**
13 − 5 = **8**	10 − 5 = **5**	13 − 5 = **8**	18 − 9 = **9**
11 − 6 = **5**	16 − 8 = **8**	10 − 6 = **4**	9 − 8 = **1**
12 − 3 = **9**	11 − 2 = **9**	11 − 8 = **3**	13 − 5 = **8**
12 − 3 = **9**	4 − 3 = **1**	10 − 9 = **1**	10 − 5 = **5**
11 − 2 = **9**	14 − 9 = **5**	4 − 1 = **3**	8 − 7 = **1**
11 − 2 = **9**	17 − 9 = **8**	12 − 3 = **9**	5 − 4 = **1**
9 − 4 = **5**	14 − 5 = **9**	10 − 3 = **7**	13 − 5 = **8**
10 − 3 = **7**	15 − 9 = **6**	9 − 1 = **8**	16 − 7 = **9**
11 − 4 = **7**	18 − 9 = **9**	12 − 5 = **7**	7 − 5 = **2**
11 − 4 = **7**	14 − 9 = **5**	11 − 9 = **2**	7 − 5 = **2**
13 − 9 = **4**	10 − 8 = **2**	5 − 1 = **4**	11 − 6 = **5**
11 − 8 = **3**	8 − 2 = **6**	7 − 1 = **6**	8 − 1 = **7**
10 − 7 = **3**	7 − 6 = **1**	12 − 8 = **4**	5 − 2 = **3**

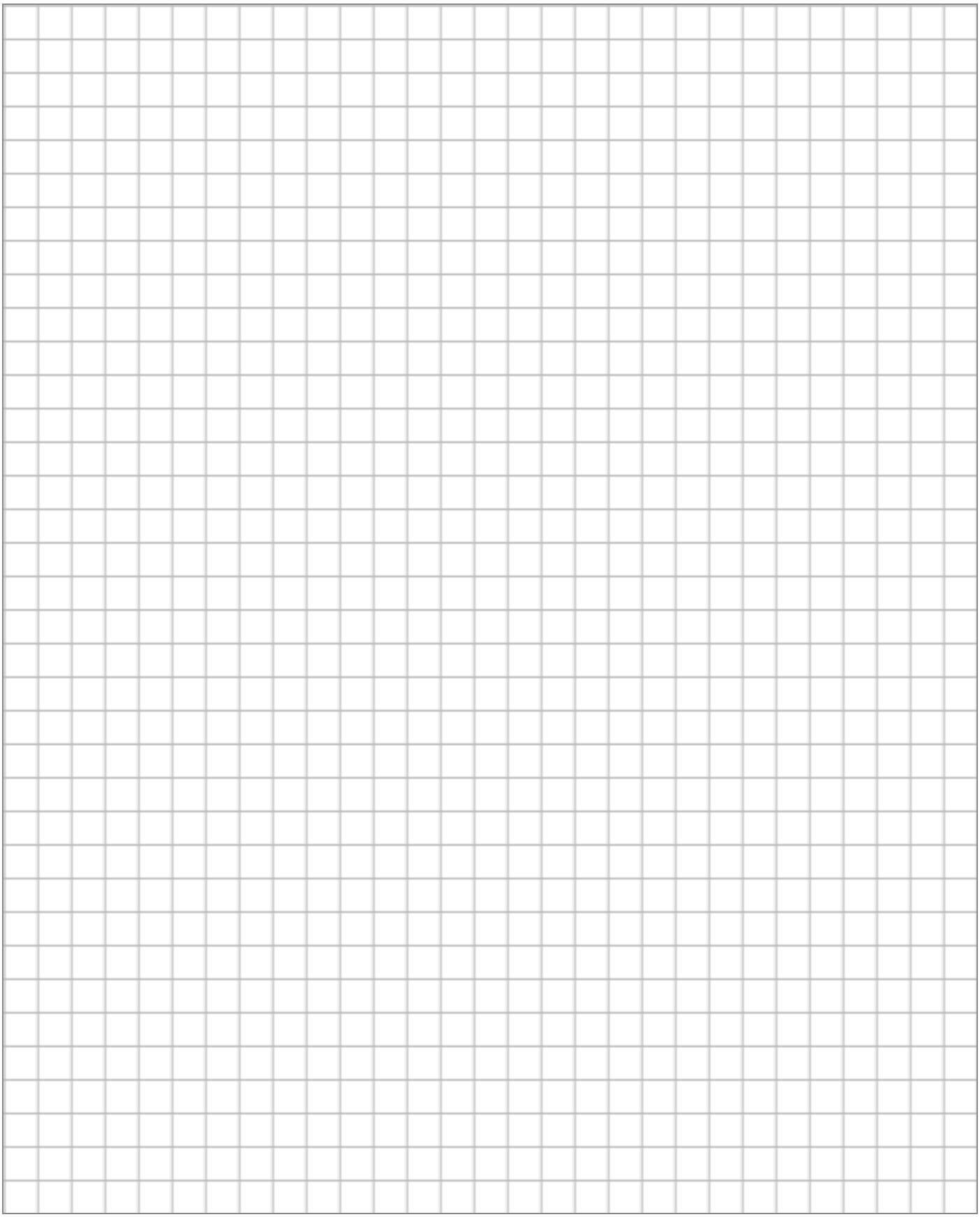
Fact-Mastery Tracker

Grade 2 Math · Each Friday write the score (or a check when every fact is answered in about 3 seconds).

Facts	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8
Doubles								
Make ten								
+ within 10								
− within 10								
+ within 20								
− within 20								
Mixed + and −								

Graph Paper

Grade 2 Math · One digit per square keeps columns lined up.



Record Sheet

Grade 2 Math · One line per lesson: date finished, Worksheet A score, Worksheet B score, notes.

Lesson	Date	A	B	Notes
1.1 Addition Strategy Review				
1.2 Subtraction Strategy Review				
1.3 Even and Odd				
1.4 Fact Families and Missing Numbers				
2.1 Hundreds, Tens, Ones				
2.2 Expanded Form				
2.3 Comparing Three-Digit Numbers				
2.4 Skip Counting by 5, 10, 100				
3.1 Adding with Blocks				
3.2 Regrouping Ones				
3.3 The Written Method				
3.4 Adding Several Numbers				
4.1 Subtracting with Blocks				
4.2 Regrouping a Ten				
4.3 The Written Method				
4.4 Checking with Addition				
5.1 Adding Three-Digit Numbers				
5.2 Subtracting Three-Digit Numbers				
5.3 Subtracting Across Zeros				
5.4 Mental Math with 10 and 100				
6.1 Quarters and Dollars				
6.2 Counting Coins				
6.3 Dollars and Cents				
6.4 Making Change				
7.1 Inches, Feet, Yards				
7.2 Centimeters and Meters				
7.3 Time to Five Minutes				
7.4 A.M., P.M. and Elapsed Hours				
8.1 Polygons and Solids				
8.2 Equal Shares: Halves, Thirds, Fourths				
8.3 Arrays and Repeated Addition				
8.4 Pictographs and Line Plots				
9.1 Regrouping Review				
9.2 Money and Time Review				
9.3 Word Problems				
9.4 End-of-Year Check				

Placement Check

School Launch · Grade 2 Math · Grade 1 skills: facts to 20, tens and ones, adding and subtracting tens · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, draw a bar model if it helps, write the equation, solve, and answer in a sentence with units.

1. 5 + 9 = ___ MEDIUM

2. 8 + 5 = ___ MEDIUM

3. 15 − 3 = ___ MEDIUM

4. 13 − 4 = ___ MEDIUM

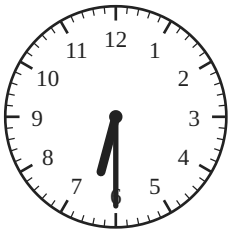
5. How many tens and ones are in 94? MEDIUM

6. Write <, > or = : 54 ___ 79 MEDIUM

7. 79 + 20 = ___ MEDIUM

8. What number is ten less than 35? MEDIUM

9. What time does the clock show? MEDIUM



10. Noah led 8 sheep into the ark, then 18 more. How many sheep went in? HARD



Answer Key · Placement Check

School Launch · Grade 2 Math · Grade 1 skills: facts to 20, tens and ones, adding and subtracting tens · Worksheet A · for the parent Key

1. 14

1. Make ten: 9 needs 1 more to make 10.
2. Split 5 into 1 and 4.
3. 9 + 1 = 10
4. 10 + 4 = 14

5 + 9 = ___

2. 13

1. Make ten: 8 needs 2 more to make 10.
2. Split 5 into 2 and 3.
3. 8 + 2 = 10
4. 10 + 3 = 13

8 + 5 = ___

3. 12

1. Start at 15 and count back 3: 14, 13, 12.
2. 15 − 3 = 12

15 − 3 = ___

4. 9

1. Take away to get to ten: 13 − 3 = 10
2. Take away the rest: 10 − 1 = 9

13 − 4 = ___

5. 9 tens 4 ones

1. The tens digit is 9: 9 tens = 90.
2. The ones digit is 4.
3. 90 + 4 = 94

How many tens and ones are in 94?

6. 54 < 79

1. Compare from the left. The first place that differs is the tens: 5 and 7.
2. 54 < 79

Write <, > or = : 54 ___ 79

7. 99

1. Add the tens: 79 + 20 = 99

79 + 20 = ___

8. 25

1. 35 − 10 = 25

What number is ten less than 35?

9. 6:30

1. The short hand is past the 6, so the hour is 6.
2. The long hand points to the 6. Count by fives: 6 × 5 = 30 minutes.
3. The time is 6:30.

What time does the clock show?

10. 26 sheep. 26 sheep went into the ark.

1. Unknown: the total.
2. Bar model: two parts, 8 and 18; the whole is unknown.
3. Equation: 8 + 18 = ?
4. 8 + 18 = 26
5. Answer: 26 sheep went into the ark.

Noah led 8 sheep into the ark, then 18 more. How many sheep went in?

Unit 1 Check: Fact Mastery to 20

School Launch · Grade 2 Math · Unit 1: Fact Mastery to 20 · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 12

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, draw a bar model if it helps, write the equation, solve, and answer in a sentence with units.

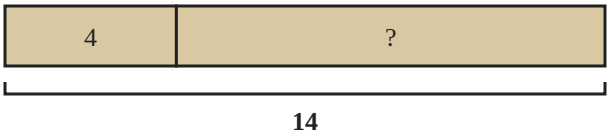
1. 6 + 5 = ___ MEDIUM

2. 5 + 5 + 1 = ___ HARD

3. 7 + 9 = ___ MEDIUM

4. 17 − 4 = ___ MEDIUM

5. Gideon had 14 men. He sent 4 home. How many men stayed? HARD



6. 11 − 9 = ___ MEDIUM

7. Is 56 even or odd? MEDIUM

8. Fill in the missing number: 2, 4, 6, ___, 10 HARD

9. Is 89 even or odd? MEDIUM

10. Find the missing number: 4 + ___ = 10 MEDIUM

11. Find the missing number: 15 − ___ = 8 HARD

12. Find the missing number: 8 + ___ = 11 MEDIUM

Answer Key · Unit 1 Check: Fact Mastery to 20

School Launch · Grade 2 Math · Unit 1: Fact Mastery to 20 · Worksheet A · for the parent

Key

1. 11

1. Make ten: 6 needs 4 more to make 10.
2. Split 5 into 4 and 1.
3. 6 + 4 = 10
4. 10 + 1 = 11

6 + 5 = ___

2. 11

1. Look for a pair that makes ten: 5 + 5 = 10
2. 10 + 1 = 11

5 + 5 + 1 = ___

3. 16

1. Make ten: 9 needs 1 more to make 10.
2. Split 7 into 1 and 6.
3. 9 + 1 = 10
4. 10 + 6 = 16

7 + 9 = ___

4. 13

1. 17 − 4 = 13
2. Check: 13 + 4 = 17

17 − 4 = ___

5. 10 men. 10 men stayed.

1. Unknown: how many are left.
2. Bar model: the whole is 14; one part is 4; the other part is unknown.
3. Equation: 14 − 4 = ?
4. 14 − 4 = 10
5. Answer: 10 men stayed.

Gideon had 14 men. He sent 4 home. How many men stayed?

6. 2

1. Take away to get to ten: 11 − 1 = 10
2. Take away the rest: 10 − 8 = 2

11 − 9 = ___

7. even

1. Look at the ones digit: 6.
2. 6 is one of 0, 2, 4, 6, 8, so 56 is even.

Is 56 even or odd?

8. 8

1. The numbers go up by 2 each time.
2. 6 + 2 = 8

Fill in the missing number: 2, 4, 6, ___, 10

9. odd

1. Look at the ones digit: 9.
2. 9 is one of 1, 3, 5, 7, 9, so 89 is odd.

Is 89 even or odd?

10. 6

1. Think: what goes with 4 to make 10?
2. 10 − 4 = 6
3. Check: 4 + 6 = 10

Find the missing number: 4 + ___ = 10

11. 7

1. Think addition: 8 + ___ = 15
2. 15 − 8 = 7

Find the missing number: 15 − ___ = 8

12. 3

1. Think: what goes with 8 to make 11?
2. 11 − 8 = 3
3. Check: 8 + 3 = 11

Find the missing number: 8 + ___ = 11

Every answer was recomputed by an independent checker from the problem data, and every equation in the steps was evaluated.

Unit 2 Check: Place Value to 1,000

School Launch · Grade 2 Math · Unit 2: Place Value to 1,000 · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 12

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, draw a bar model if it helps, write the equation, solve, and answer in a sentence with units.

1. 3 hundreds, 5 tens and 4 ones make what number? MEDIUM

2. Write the number in digits: *six hundred ninety* HARD

3. 8 hundreds, 8 tens and 1 ones make what number? MEDIUM

4. Write 362 in expanded form. MEDIUM

5. 2 hundreds, 8 tens and 7 ones make what number? HARD

6. Write 499 in expanded form. MEDIUM

7. Write <, > or = : 315 ___ 327 MEDIUM

8. Write in order from least to greatest: 448, 258, 263, 400 HARD

9. Write <, > or = : 385 ___ 379 MEDIUM

10. Fill in the missing number: 442, 452, ___, 472, 482 MEDIUM

11. Fill in the missing number: 412, 512, 612, 712, ___ HARD

12. Fill in the missing number: 930, 940, ___, 960, 970 MEDIUM

Answer Key · Unit 2 Check: Place Value to 1,000

School Launch · Grade 2 Math · Unit 2: Place Value to 1,000 · Worksheet A · for the parent

Key

1. 354

1. 3 × 100 = 300
2. 5 × 10 = 50
3. 300 + 50 + 4 = 354

3 hundreds, 5 tens and 4 ones make what number?

2. 690

1. Read it in groups: six hundred ninety → 690

Write the number in digits: *six hundred ninety*

3. 881

1. 8 × 100 = 800
2. 8 × 10 = 80
3. 800 + 80 + 1 = 881

8 hundreds, 8 tens and 1 ones make what number?

4. 300 + 60 + 2

1. Write each digit times its place value: 300 + 60 + 2
2. Check: 300 + 60 + 2 = 362

Write 362 in expanded form.

5. 287

1. 2 × 100 = 200
2. 8 × 10 = 80
3. 200 + 80 + 7 = 287

2 hundreds, 8 tens and 7 ones make what number?

6. 400 + 90 + 9

1. Write each digit times its place value: 400 + 90 + 9
2. Check: 400 + 90 + 9 = 499

Write 499 in expanded form.

7. 315 < 327

1. Compare from the left. The first place that differs is the tens: 1 and 2.
2. 315 < 327

Write <, > or = : 315 ___ 327

8. 258, 263, 400, 448

1. Compare the biggest place first, then the next place.
2. 258 < 263 < 400 < 448

Write in order from least to greatest: 448, 258, 263, 400

9. 385 > 379

1. Compare from the left. The first place that differs is the tens: 8 and 7.
2. 385 > 379

Write <, > or = : 385 ___ 379

10. 462

1. The numbers go up by 10 each time.
2. 452 + 10 = 462

Fill in the missing number: 442, 452, ___, 472, 482

11. 812

1. The numbers go up by 100 each time.
2. 712 + 100 = 812

Fill in the missing number: 412, 512, 612, 712, ___

12. 950

1. The numbers go up by 10 each time.
2. 940 + 10 = 950

Fill in the missing number: 930, 940, ___, 960, 970

Every answer was recomputed by an independent checker from the problem data, and every equation in the steps was evaluated.

Unit 3 Check: Two-Digit Addition

School Launch · Grade 2 Math · Unit 3: Two-Digit Addition · Worksheet A

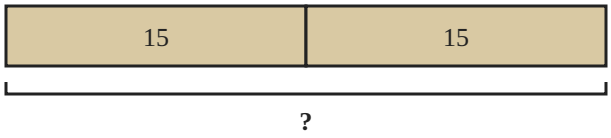
No calculator

Name _____ Date _____ Score _____ / 12

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, draw a bar model if it helps, write the equation, solve, and answer in a sentence with units.

1. 13 + 38 = ___ MEDIUM

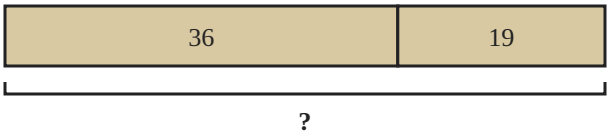
2. Noah led 15 sheep into the ark, then 15 more. How many sheep went in? HARD



3. 29 + 39 = ___ MEDIUM

4. 36 + 18 = ___ MEDIUM

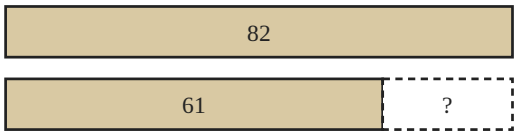
5. The baker made 36 rolls and 19 loaves. How many pieces of bread did she make? HARD



6. 56 + 29 = ___ MEDIUM

7. 76 + 69 = ___ MEDIUM

8. Jacob has 82 goats and Laban has 61 goats. How many more goats does Jacob have? HARD



9. 79 + 46 = ___ MEDIUM

10. 23 + 43 + 12 = ___ MEDIUM

11. 29 + 17 + 31 + 20 = ___ HARD

12. 45 + 13 + 29 = ___ MEDIUM

Answer Key · Unit 3 Check: Two-Digit Addition

School Launch · Grade 2 Math · Unit 3: Two-Digit Addition · Worksheet A · for the parent

Key

1. 51

1. Ones: 3 + 8 = 11. Write 1 and regroup 1 to the tens.
2. Tens: 1 + 1 + 3 = 5. Write 5.
3. 13 + 38 = 51

13 + 38 = ___

2. 30 sheep. 30 sheep went into the ark.

1. Unknown: the total.
2. Bar model: two parts, 15 and 15; the whole is unknown.
3. Equation: 15 + 15 = ?
4. 15 + 15 = 30
5. Answer: 30 sheep went into the ark.

Noah led 15 sheep into the ark, then 15 more. How many sheep went in?

3. 68

1. Ones: 9 + 9 = 18. Write 8 and regroup 1 to the tens.
2. Tens: 1 + 2 + 3 = 6. Write 6.
3. 29 + 39 = 68

29 + 39 = ___

4. 54

1. Ones: 6 + 8 = 14. Write 4 and regroup 1 to the tens.
2. Tens: 1 + 3 + 1 = 5. Write 5.
3. 36 + 18 = 54

36 + 18 = ___

5. 55 pieces. She made 55 pieces of bread.

1. Unknown: the total.
2. Bar model: two parts, 36 and 19; the whole is unknown.
3. Equation: 36 + 19 = ?
4. 36 + 19 = 55
5. Answer: She made 55 pieces of bread.

The baker made 36 rolls and 19 loaves. How many pieces of bread did she make?

6. 85

1. Ones: 6 + 9 = 15. Write 5 and regroup 1 to the tens.
2. Tens: 1 + 5 + 2 = 8. Write 8.
3. 56 + 29 = 85

56 + 29 = ___

7. 145

1. Ones: 6 + 9 = 15. Write 5 and regroup 1 to the tens.
2. Tens: 1 + 7 + 6 = 14. Write 14.
3. 76 + 69 = 145

76 + 69 = ___

8. 21 goats. Jacob has 21 more goats.

1. Unknown: the difference.
2. Bar model: a long bar of 82 and a short bar of 61; the difference is unknown.
3. Equation: 82 − 61 = ?
4. 82 − 61 = 21
5. Answer: Jacob has 21 more goats.

Jacob has 82 goats and Laban has 61 goats. How many more goats does Jacob have?

9. 125

1. Ones: 9 + 6 = 15. Write 5 and regroup 1 to the tens.
2. Tens: 1 + 7 + 4 = 12. Write 12.
3. 79 + 46 = 125

79 + 46 = ___

10. 78

1. Ones: 3 + 3 + 2 = 8. Write 8.
2. Tens: 2 + 4 + 1 = 7. Write 7.
3. 23 + 43 + 12 = 78

23 + 43 + 12 = ___

11. 97

1. Ones: 9 + 7 + 1 + 0 = 17. Write 7 and regroup 1 to the tens.
2. Tens: 1 + 2 + 1 + 3 + 2 = 9. Write 9.
3. 29 + 17 + 31 + 20 = 97

29 + 17 + 31 + 20 = ___

12. 87

1. Ones: 5 + 3 + 9 = 17. Write 7 and regroup 1 to the tens.
2. Tens: 1 + 4 + 1 + 2 = 8. Write 8.
3. 45 + 13 + 29 = 87

45 + 13 + 29 = ___

Every answer was recomputed by an independent checker from the problem data, and every equation in the steps was evaluated.

Unit 4 Check: Two-Digit Subtraction

School Launch · Grade 2 Math · Unit 4: Two-Digit Subtraction · Worksheet A

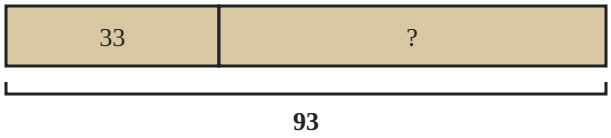
No calculator

Name _____ Date _____ Score _____ / 12

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, draw a bar model if it helps, write the equation, solve, and answer in a sentence with units.

1. 62 − 13 = ___ MEDIUM

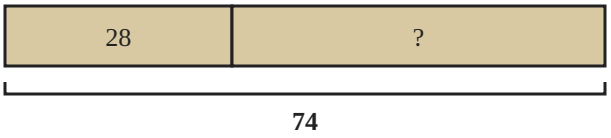
2. A shepherd had 93 sheep. 33 wandered off. How many sheep are still with him? HARD



3. 91 − 52 = ___ MEDIUM

4. 65 − 37 = ___ MEDIUM

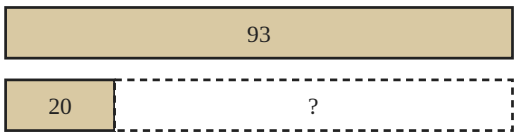
5. The orchard had 74 apples on a tree. The children picked 28. How many apples are left on the tree? HARD



6. 50 − 27 = ___ MEDIUM

7. 72 − 34 = ___ MEDIUM

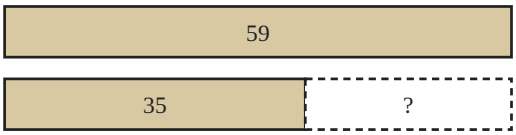
8. The red hen laid 93 eggs this month and the brown hen laid 20. How many more did the red hen lay? HARD



9. 90 − 64 = ___ MEDIUM

10. Find the missing number: 42 + ___ = 76 MEDIUM

11. Sarah sewed 59 stitches and Anna sewed 35. How many fewer stitches did Anna sew? HARD



12. Find the missing number: ___ + 48 = 81 MEDIUM

Answer Key · Unit 4 Check: Two-Digit Subtraction

School Launch · Grade 2 Math · Unit 4: Two-Digit Subtraction · Worksheet A · for the parent

Key

1. 49

1. Ones: 2 is less than 3, so regroup 1 ten as 10 ones. The tens digit becomes 5.
2. 12 − 3 = 9
3. Tens: 5 − 1 = 4
4. Check: 49 + 13 = 62

62 − 13 = ___

2. 60 sheep. 60 sheep are still with him.

1. Unknown: how many are left.
2. Bar model: the whole is 93; one part is 33; the other part is unknown.
3. Equation: 93 − 33 = ?
4. 93 − 33 = 60
5. Answer: 60 sheep are still with him.

A shepherd had 93 sheep. 33 wandered off. How many sheep are still with him?

3. 39

1. Ones: 1 is less than 2, so regroup 1 ten as 10 ones. The tens digit becomes 8.
2. 11 − 2 = 9
3. Tens: 8 − 5 = 3
4. Check: 39 + 52 = 91

91 − 52 = ___

4. 28

1. Ones: 5 is less than 7, so regroup 1 ten as 10 ones. The tens digit becomes 5.
2. 15 − 7 = 8
3. Tens: 5 − 3 = 2
4. Check: 28 + 37 = 65

65 − 37 = ___

5. 46 apples. 46 apples are left.

1. Unknown: how many are left.
2. Bar model: the whole is 74; one part is 28; the other part is unknown.
3. Equation: 74 − 28 = ?
4. 74 − 28 = 46
5. Answer: 46 apples are left.

The orchard had 74 apples on a tree. The children picked 28. How many apples are left on the tree?

6. 23

1. Ones: 0 is less than 7, so regroup 1 ten as 10 ones. The tens digit becomes 4.
2. 10 − 7 = 3
3. Tens: 4 − 2 = 2
4. Check: 23 + 27 = 50

50 − 27 = ___

7. 38

1. Ones: 2 is less than 4, so regroup 1 ten as 10 ones. The tens digit becomes 6.
2. 12 − 4 = 8
3. Tens: 6 − 3 = 3
4. Check: 38 + 34 = 72

72 − 34 = ___

8. 73 eggs. The red hen laid 73 more eggs.

1. Unknown: the difference.
2. Bar model: a long bar of 93 and a short bar of 20; the difference is unknown.
3. Equation: 93 − 20 = ?
4. 93 − 20 = 73
5. Answer: The red hen laid 73 more eggs.

The red hen laid 93 eggs this month and the brown hen laid 20. How many more did the red hen lay?

9. 26

1. Ones: 0 is less than 4, so regroup 1 ten as 10 ones. The tens digit becomes 8.
2. 10 − 4 = 6
3. Tens: 8 − 6 = 2
4. Check: 26 + 64 = 90

90 − 64 = ___

10. 34

1. Think: what goes with 42 to make 76?
2. 76 − 42 = 34
3. Check: 42 + 34 = 76

Find the missing number: 42 + ___ = 76

11. 24 stitches. Anna sewed 24 fewer stitches.

1. Unknown: the difference.
2. Bar model: a long bar of 59 and a short bar of 35; the difference is unknown.
3. Equation: 59 − 35 = ?
4. 59 − 35 = 24
5. Answer: Anna sewed 24 fewer stitches.

Sarah sewed 59 stitches and Anna sewed 35. How many fewer stitches did Anna sew?

12. 33

1. Think: what goes with 48 to make 81?
2. 81 − 48 = 33
3. Check: 33 + 48 = 81

Find the missing number: ___ + 48 = 81

Unit 5 Check: Three-Digit Numbers

School Launch · Grade 2 Math · Unit 5: Three-Digit Numbers · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 12

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, draw a bar model if it helps, write the equation, solve, and answer in a sentence with units.

1. 387 + 231 = ___ MEDIUM

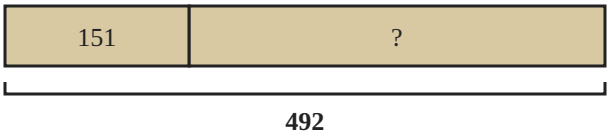
2. Noah led 123 sheep into the ark, then 257 more. How many sheep went in? HARD



3. 359 + 262 = ___ MEDIUM

4. 529 − 439 = ___ MEDIUM

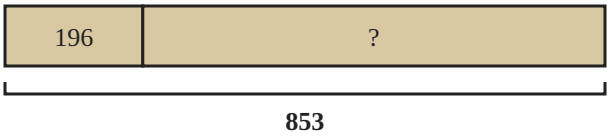
5. A shepherd had 492 sheep. 151 wandered off. How many sheep are still with him? HARD



6. 901 − 489 = ___ MEDIUM

7. 304 − 280 = ___ MEDIUM

8. The orchard had 853 apples on a tree. The children picked 196. How many apples are left on the tree? HARD



9. 503 − 147 = ___ MEDIUM

10. What number is one hundred less than 527? MEDIUM

11. 25 + 439 = ___ HARD

12. What number is one hundred more than 487? MEDIUM

Answer Key · Unit 5 Check: Three-Digit Numbers

School Launch · Grade 2 Math · Unit 5: Three-Digit Numbers · Worksheet A · for the parent

Key

1. 618

1. Ones: 7 + 1 = 8. Write 8.
2. Tens: 8 + 3 = 11. Write 1 and regroup 1 to the hundreds.
3. Hundreds: 1 + 3 + 2 = 6. Write 6.
4. 387 + 231 = 618

387 + 231 = ___

2. 380 sheep. 380 sheep went into the ark.

1. Unknown: the total.
2. Bar model: two parts, 123 and 257; the whole is unknown.
3. Equation: 123 + 257 = ?
4. 123 + 257 = 380
5. Answer: 380 sheep went into the ark.

Noah led 123 sheep into the ark, then 257 more. How many sheep went in?

3. 621

1. Ones: 9 + 2 = 11. Write 1 and regroup 1 to the tens.
2. Tens: 1 + 5 + 6 = 12. Write 2 and regroup 1 to the hundreds.
3. Hundreds: 1 + 3 + 2 = 6. Write 6.
4. 359 + 262 = 621

359 + 262 = ___

4. 90

1. Ones: 9 − 9 = 0
2. Tens: 2 is less than 3, so regroup 1 hundred as 10 tens. The hundreds digit becomes 4.
3. 12 − 3 = 9
4. Hundreds: 4 − 4 = 0
5. Check: 90 + 439 = 529

529 − 439 = ___

5. 341 sheep. 341 sheep are still with him.

1. Unknown: how many are left.
2. Bar model: the whole is 492; one part is 151; the other part is unknown.
3. Equation: 492 − 151 = ?
4. 492 − 151 = 341
5. Answer: 341 sheep are still with him.

A shepherd had 492 sheep. 151 wandered off. How many sheep are still with him?

6. 412

1. Ones: 1 is less than 9, and the next place holds 0, so regroup from the hundreds: 9 becomes 8 and each 0 in between becomes 9.
2. 11 − 9 = 2
3. Tens: 9 − 8 = 1
4. Hundreds: 8 − 4 = 4
5. Check: 412 + 489 = 901

901 − 489 = ___

7. 24

1. Ones: 4 − 0 = 4
2. Tens: 0 is less than 8, so regroup 1 hundred as 10 tens. The hundreds digit becomes 2.
3. 10 − 8 = 2
4. Hundreds: 2 − 2 = 0
5. Check: 24 + 280 = 304

304 − 280 = ___

8. 657 apples. 657 apples are left.

1. Unknown: how many are left.
2. Bar model: the whole is 853; one part is 196; the other part is unknown.
3. Equation: 853 − 196 = ?
4. 853 − 196 = 657
5. Answer: 657 apples are left.

The orchard had 853 apples on a tree. The children picked 196. How many apples are left on the tree?

9. 356

1. Ones: 3 is less than 7, and the next place holds 0, so regroup from the hundreds: 5 becomes 4 and each 0 in between becomes 9.
2. 13 − 7 = 6
3. Tens: 9 − 4 = 5
4. Hundreds: 4 − 1 = 3
5. Check: 356 + 147 = 503

503 − 147 = ___

10. 427

1. 527 − 100 = 427

What number is one hundred less than 527?

11. 464

1. Add 440 and take 1 away: 25 + 440 = 465
2. 465 − 1 = 464

25 + 439 = ___

12. 587

1. 487 + 100 = 587

What number is one hundred more than 487?

Every answer was recomputed by an independent checker from the problem data, and every equation in the steps was evaluated.

Unit 6 Check: Money

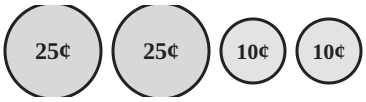
School Launch · Grade 2 Math · Unit 6: Money · Worksheet A

No calculator

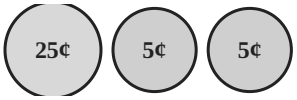
Name _____ Date _____ Score _____ / 12

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, draw a bar model if it helps, write the equation, solve, and answer in a sentence with units.

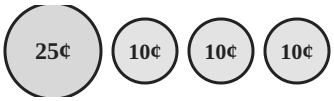
1. How much money is shown? MEDIUM



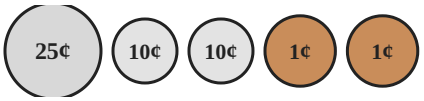
2. How much money is shown? HARD



3. How much money is shown? MEDIUM



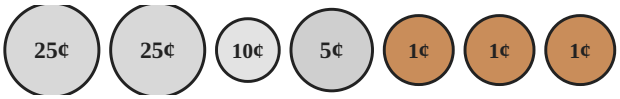
4. How much money is shown? MEDIUM



5. How much money is shown? HARD



6. How much money is shown? MEDIUM



7. $3.56 + $3.47 = ___ MEDIUM

8. At the market a loaf costs $0.71 and a jar of honey costs $0.61. How much do both cost? HARD

9. $1.43 + $4.31 = ___ MEDIUM

10. A loaf costs 13¢. You pay with $1.00. How much change do you get? MEDIUM

11. Mary buys a basket of figs for $0.85. She pays with $1.00. How much change does she get? HARD

12. A loaf costs 83¢. You pay with $1.00. How much change do you get? MEDIUM

Answer Key · Unit 6 Check: Money

School Launch · Grade 2 Math · Unit 6: Money · Worksheet A · for the parent

Key

1. 70¢

1. Start with the coin worth the most and count on: 25, 50, 60, 70.
2. Total: 70¢

How much money is shown?

2. 35¢

1. Start with the coin worth the most and count on: 25, 30, 35.
2. Total: 35¢

How much money is shown?

3. 55¢

1. Start with the coin worth the most and count on: 25, 35, 45, 55.
2. Total: 55¢

How much money is shown?

4. 47¢

1. Start with the coin worth the most and count on: 25, 35, 45, 46, 47.
2. Total: 47¢

How much money is shown?

5. 86¢

1. Start with the coin worth the most and count on: 25, 50, 75, 85, 86.
2. Total: 86¢

How much money is shown?

6. 68¢

1. Start with the coin worth the most and count on: 25, 50, 60, 65, 66, 67, 68.
2. Total: 68¢

How much money is shown?

7. $7.03

1. Line up the decimal points. In cents: 356 + 347 = 703
2. 703 cents = $7.03

$3.56 + $3.47 = ___

8. $1.32. Both cost $1.32.

1. Work in cents: 71 + 61 = 132
2. 132 cents = $1.32

At the market a loaf costs $0.71 and a jar of honey costs $0.61. How much do both cost?

9. $5.74

1. Line up the decimal points. In cents: 143 + 431 = 574
2. 574 cents = $5.74

$1.43 + $4.31 = ___

10. 87¢

1. Subtract in cents: 100 − 13 = 87
2. Check: 13 + 87 = 100
3. Change: 87¢

A loaf costs 13¢. You pay with $1.00. How much change do you get?

11. $0.15. She gets $0.15 in change.

1. Work in cents: 100 − 85 = 15
2. Check: 85 + 15 = 100
3. 15 cents = $0.15

Mary buys a basket of figs for $0.85. She pays with $1.00. How much change does she get?

12. 17¢

1. Subtract in cents: 100 − 83 = 17
2. Check: 83 + 17 = 100
3. Change: 17¢

A loaf costs 83¢. You pay with $1.00. How much change do you get?

Unit 7 Check: Measurement and Time

School Launch · Grade 2 Math · Unit 7: Measurement and Time · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 12

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, draw a bar model if it helps, write the equation, solve, and answer in a sentence with units.

1. 5 feet = ___ inches MEDIUM

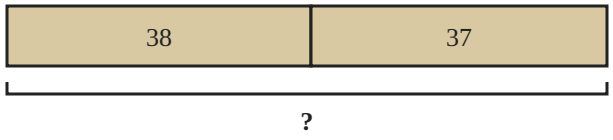
2. A fence post is 4 feet tall. How many inches is that? HARD

3. 4 yards = ___ feet MEDIUM

4. 8 meters = ___ centimeters MEDIUM

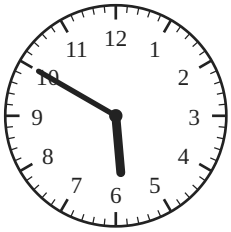
5. A carpenter cut 38 boards on Monday and 37 boards on Tuesday. How many boards did he cut?

HARD

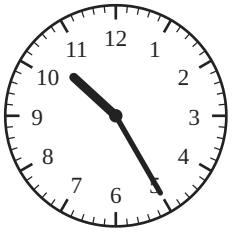


6. 5 meters = ___ centimeters MEDIUM

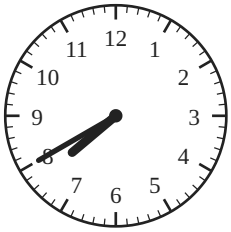
7. What time does the clock show? MEDIUM



8. What time does the clock show? HARD



9. What time does the clock show? MEDIUM



10. Father starts planting at 2:00. He works for 2 hours and 30 minutes. What time does he finish?

MEDIUM

11. Father starts planting at 2:25. He works for 1 hour and 15 minutes. What time does he finish? HARD

12. Father starts planting at 5:00. He works for 2 hours and 30 minutes. What time does he finish?

MEDIUM

Answer Key · Unit 7 Check: Measurement and Time

School Launch · Grade 2 Math · Unit 7: Measurement and Time · Worksheet A · for the parent

Key

1. 60

1. 1 foot = 12 inches, so multiply by 12.
2. 5 × 12 = 60

5 feet = ___ inches

2. 48 inches. The post is 48 inches tall.

1. Unknown: the length in inches.
2. 1 foot = 12 inches.
3. 4 × 12 = 48
4. Answer: The post is 48 inches tall.

A fence post is 4 feet tall. How many inches is that?

3. 12

1. 1 yard = 3 feet, so multiply by 3.
2. 4 × 3 = 12

4 yards = ___ feet

4. 800

1. 1 meter = 100 centimeters, so multiply by 100.
2. 8 × 100 = 800

8 meters = ___ centimeters

5. 75 boards. He cut 75 boards.

1. Unknown: the total.
2. Bar model: two parts, 38 and 37; the whole is unknown.
3. Equation: 38 + 37 = ?
4. 38 + 37 = 75
5. Answer: He cut 75 boards.

A carpenter cut 38 boards on Monday and 37 boards on Tuesday. How many boards did he cut?

6. 500

1. 1 meter = 100 centimeters, so multiply by 100.
2. 5 × 100 = 500

5 meters = ___ centimeters

7. 5:50

1. The short hand is past the 5, so the hour is 5.
2. The long hand points to the 10. Count by fives: 10 × 5 = 50 minutes.
3. The time is 5:50.

What time does the clock show?

8. 10:25

1. The short hand is past the 10, so the hour is 10.
2. The long hand points to the 5. Count by fives: 5 × 5 = 25 minutes.
3. The time is 10:25.

What time does the clock show?

9. 7:40

1. The short hand is past the 7, so the hour is 7.
2. The long hand points to the 8. Count by fives: 8 × 5 = 40 minutes.
3. The time is 7:40.

What time does the clock show?

10. 4:30

1. Add the hours first: 2:00 plus 2 hours is 4:00.
2. Add the minutes: 0 + 30 = 30.
3. He finishes at 4:30.

Father starts planting at 2:00. He works for 2 hours and 30 minutes. What time does he finish?

11. 3:40

1. Add the hours first: 2:25 plus 1 hour is 3:25.
2. Add the minutes: 25 + 15 = 40.
3. He finishes at 3:40.

Father starts planting at 2:25. He works for 1 hour and 15 minutes. What time does he finish?

12. 7:30

1. Add the hours first: 5:00 plus 2 hours is 7:00.
2. Add the minutes: 0 + 30 = 30.
3. He finishes at 7:30.

Father starts planting at 5:00. He works for 2 hours and 30 minutes. What time does he finish?

Every answer was recomputed by an independent checker from the problem data, and every equation in the steps was evaluated.

Unit 8 Check: Shapes, Fractions, Arrays

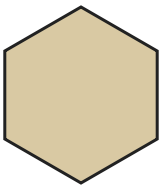
School Launch · Grade 2 Math · Unit 8: Shapes, Fractions, Arrays · Worksheet A

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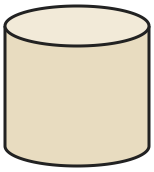
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Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, draw a bar model if it helps, write the equation, solve, and answer in a sentence with units.

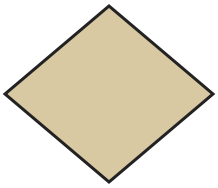
1. How many sides does this shape have? MEDIUM



2. Name this solid shape. HARD



3. How many sides does this shape have? MEDIUM

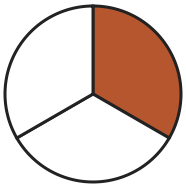


4. What fraction of the shape is shaded? MEDIUM



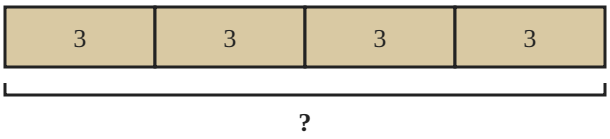
5. What is $\frac{1}{4}$ of 16 coins? HARD

6. What fraction of the shape is shaded? MEDIUM



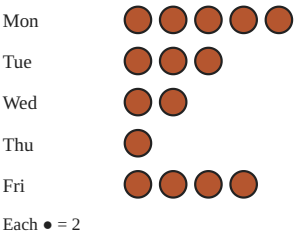
7. 5 × 4 = ___ MEDIUM

8. A Roman soldier marched 3 miles a day for 4 days. How far did he march? HARD

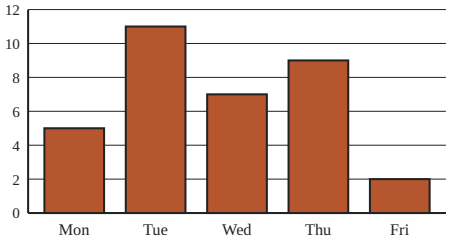


9. 4 × 3 = ___ MEDIUM

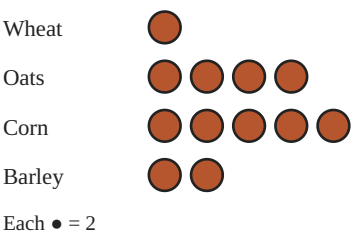
10. Which day has the most? MEDIUM



11. How many Tue and Wed in all? HARD



12. How many Wheat and Corn in all? MEDIUM



Answer Key · Unit 8 Check: Shapes, Fractions, Arrays

School Launch · Grade 2 Math · Unit 8: Shapes, Fractions, Arrays · Worksheet A · for the parent

Key

1. 6

1. Count the straight sides as you go around: 1, 2, 3, 4, 5, 6.
2. It is a hexagon with 6 sides.

How many sides does this shape have?

2. cylinder

1. It has two flat circles and a curved side, like a can.
2. It is a cylinder.

Name this solid shape.

3. 4

1. Count the straight sides as you go around: 1, 2, 3, 4.
2. It is a rhombus with 4 sides.

How many sides does this shape have?

4. $\frac{1}{2}$

1. The whole has 2 equal parts.
2. 1 part is shaded.
3. So $\frac{1}{2}$ is shaded.

What fraction of the shape is shaded?

5. 4 coins

1. Split 16 into 4 equal groups: 16 ÷ 4 = 4 in each group.
2. One group is 4.

What is $\frac{1}{4}$ of 16 coins?

6. $\frac{1}{3}$

1. The whole has 3 equal parts.
2. 1 part is shaded.
3. So $\frac{1}{3}$ is shaded.

What fraction of the shape is shaded?

7. 20

1. 5 groups of 4: 4 + 4 + 4 + 4 + 4 = 20

5 × 4 = ___

8. 12 miles. He marched 12 miles.

1. Unknown: the total.
2. Bar model: 4 equal parts of 3; the whole is unknown.
3. Equation: 4 × 3 = ?
4. 4 × 3 = 12
5. Answer: He marched 12 miles.

A Roman soldier marched 3 miles a day for 4 days. How far did he march?

9. 12

1. 4 groups of 3: 3 + 3 + 3 + 3 = 12

4 × 3 = ___

10. Mon

1. Each circle stands for 2.
2. The biggest count is Mon, with 10.

Which day has the most?

11. 18

1. Tue: 11. Wed: 7.
2. 11 + 7 = 18

How many Tue and Wed in all?

12. 12

1. Each circle stands for 2.
2. Wheat: 2. Corn: 10.
3. 2 + 10 = 12

How many Wheat and Corn in all?

Unit 9 Check: Review

School Launch · Grade 2 Math · Unit 9: Review · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 12

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, draw a bar model if it helps, write the equation, solve, and answer in a sentence with units.

1. 378 − 313 = ___ MEDIUM

2. 209 − 186 = ___ HARD

3. 655 − 442 = ___ MEDIUM

4. A loaf costs 86¢. You pay with $1.00. How much change do you get? MEDIUM

5. What time does the clock show? MEDIUM



6. Father starts planting at 6:15. He works for 3 hours and 30 minutes. What time does he finish? HARD

7. Peter caught 58 fish and Andrew caught 39. They gave 90 to a widow. How many fish do they have left? HARD

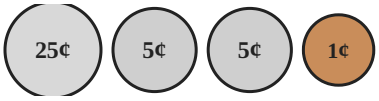
8. At the market a loaf costs $0.41 and a jar of honey costs $0.39. How much do both cost? HARD

9. Anna picked 29 plums and Ben picked 29. They ate 25 of them. How many plums are left? HARD

10. 379 + 498 = ___ MEDIUM

11. 301 − 116 = ___ MEDIUM

12. How much money is shown? MEDIUM



Answer Key · Unit 9 Check: Review

School Launch · Grade 2 Math · Unit 9: Review · Worksheet A · for the parent

Key

1. 65

1. Ones: 8 − 3 = 5
2. Tens: 7 − 1 = 6
3. Hundreds: 3 − 3 = 0
4. Check: 65 + 313 = 378

378 − 313 = ___

2. 23

1. Ones: 9 − 6 = 3
2. Tens: 0 is less than 8, so regroup 1 hundred as 10 tens. The hundreds digit becomes 1.
3. 10 − 8 = 2
4. Hundreds: 1 − 1 = 0
5. Check: 23 + 186 = 209

209 − 186 = ___

3. 213

1. Ones: 5 − 2 = 3
2. Tens: 5 − 4 = 1
3. Hundreds: 6 − 4 = 2
4. Check: 213 + 442 = 655

655 − 442 = ___

4. 14¢

1. Subtract in cents: 100 − 86 = 14
2. Check: 86 + 14 = 100
3. Change: 14¢

A loaf costs 86¢. You pay with $1.00. How much change do you get?

5. 2:25

1. The short hand is past the 2, so the hour is 2.
2. The long hand points to the 5. Count by fives: 5 × 5 = 25 minutes.
3. The time is 2:25.

What time does the clock show?

6. 9:45

1. Add the hours first: 6:15 plus 3 hours is 9:15.
2. Add the minutes: 15 + 30 = 45.
3. He finishes at 9:45.

Father starts planting at 6:15. He works for 3 hours and 30 minutes. What time does he finish?

7. 7 fish. They have 7 fish left.

1. Unknown: how many at the end.
2. Step 1: 58 + 39 = 97
3. Step 2: 97 − 90 = 7
4. Answer: They have 7 fish left.

Peter caught 58 fish and Andrew caught 39. They gave 90 to a widow. How many fish do they have left?

8. $0.80. Both cost $0.80.

1. Work in cents: 41 + 39 = 80
2. 80 cents = $0.80

At the market a loaf costs $0.41 and a jar of honey costs $0.39. How much do both cost?

9. 33 plums. 33 plums are left.

1. Unknown: how many at the end.
2. Step 1: 29 + 29 = 58
3. Step 2: 58 − 25 = 33
4. Answer: 33 plums are left.

Anna picked 29 plums and Ben picked 29. They ate 25 of them. How many plums are left?

10. 877

1. Ones: 9 + 8 = 17. Write 7 and regroup 1 to the tens.
2. Tens: 1 + 7 + 9 = 17. Write 7 and regroup 1 to the hundreds.
3. Hundreds: 1 + 3 + 4 = 8. Write 8.
4. 379 + 498 = 877

379 + 498 = ___

11. 185

1. Ones: 1 is less than 6, and the next place holds 0, so regroup from the hundreds: 3 becomes 2 and each 0 in between becomes 9.
2. 11 − 6 = 5
3. Tens: 9 − 1 = 8
4. Hundreds: 2 − 1 = 1
5. Check: 185 + 116 = 301

301 − 116 = ___

12. 36¢

1. Start with the coin worth the most and count on: 25, 30, 35, 36.
2. Total: 36¢

How much money is shown?

Every answer was recomputed by an independent checker from the problem data, and every equation in the steps was evaluated.

End-of-Year Check

School Launch · Grade 2 Math · Units 1–8 · Worksheet A

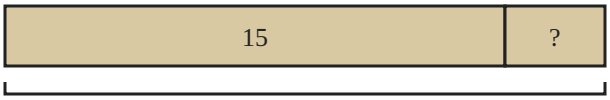
No calculator

Name _____ Date _____ Score _____ / 24

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, draw a bar model if it helps, write the equation, solve, and answer in a sentence with units.

1. 7 + 7 + 6 = ___ HARD

2. Gideon had 18 men. He sent 15 home. How many men stayed? HARD



18

3. Fill in the missing number: 4, 6, 8, 10, ___ HARD

4. Find the missing number: 7 − ___ = 4 HARD

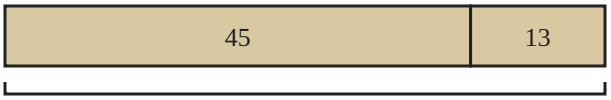
5. Write the number in digits: *six hundred eighty-seven* HARD

6. 7 hundreds, 0 tens and 3 ones make what number? HARD

7. Write in order from least to greatest: 506, 666, 431, 667 HARD

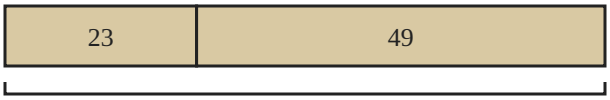
8. Fill in the missing number: 95, 195, 295, 395, ___ HARD

9. Farmer Eli gathered 45 eggs in the morning and 13 eggs in the evening. How many eggs did he gather in all? HARD



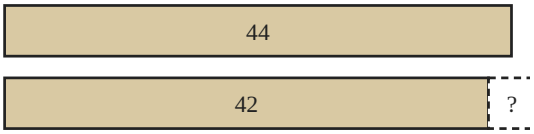
?

10. A Roman legion marched 23 miles one week and 49 miles the next. How far did it march? HARD



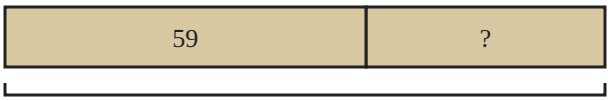
?

11. The red hen laid 44 eggs this month and the brown hen laid 42. How many more did the red hen lay? HARD



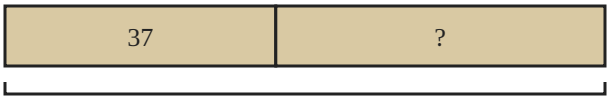
12. 31 + 12 + 39 + 39 = ___ HARD

13. A shepherd had 98 sheep. 59 wandered off. How many sheep are still with him? HARD



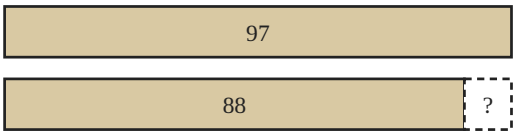
98

14. A wagon carried 82 sacks of flour. 37 sacks were left at the mill. How many sacks are still on the wagon? HARD

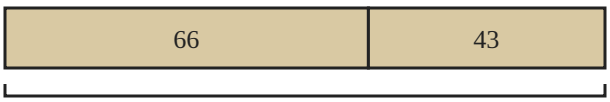


82

15. The oak is 97 feet tall. The apple tree is 88 feet tall. How much taller is the oak? HARD

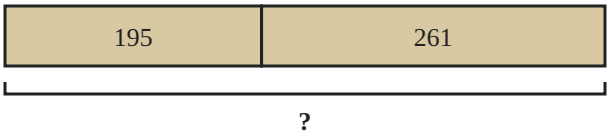


16. A Roman legion marched 66 miles one week and 43 miles the next. How far did it march? HARD



?

17. A carpenter cut 195 boards on Monday and 261 boards on Tuesday. How many boards did he cut? HARD



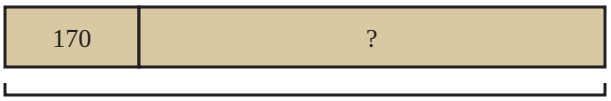
?

18. Gideon had 614 men. He sent 108 home. How many men stayed? HARD



614

19. A blacksmith had 761 nails. He used 170 to shoe the horses. How many nails are left? HARD



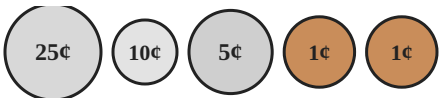
761

20. 21 + 683 = ___ HARD

21. How much money is shown? HARD



22. How much money is shown? HARD



23. At the market a loaf costs $0.38 and a jar of honey costs $0.38. How much do both cost? HARD

24. Mary buys a basket of figs for $0.40. She pays with $1.00. How much change does she get? HARD

Answer Key · End-of-Year Check

School Launch · Grade 2 Math · Units 1–8 · Worksheet A · for the parent

Key

1. 20

1. 7 + 7 = 14
2. 14 + 6 = 20

7 + 7 + 6 = ___

2. 3 men. 3 men stayed.

1. Unknown: how many are left.
2. Bar model: the whole is 18; one part is 15; the other part is unknown.
3. Equation: 18 − 15 = ?
4. 18 − 15 = 3
5. Answer: 3 men stayed.

Gideon had 18 men. He sent 15 home. How many men stayed?

3. 12

1. The numbers go up by 2 each time.
2. 10 + 2 = 12

Fill in the missing number: 4, 6, 8, 10, ___

4. 3

1. Think addition: 4 + ___ = 7
2. 7 − 4 = 3

Find the missing number: 7 − ___ = 4

5. 687

1. Read it in groups: six hundred eighty-seven → 687

Write the number in digits: *six hundred eighty-seven*

6. 703

1. 7 × 100 = 700
2. 0 × 10 = 0
3. 700 + 0 + 3 = 703

7 hundreds, 0 tens and 3 ones make what number?

7. 431, 506, 666, 667

1. Compare the biggest place first, then the next place.
2. 431 < 506 < 666 < 667

Write in order from least to greatest: 506, 666, 431, 667

8. 495

1. The numbers go up by 100 each time.
2. 395 + 100 = 495

Fill in the missing number: 95, 195, 295, 395, ___

9. 58 eggs. Eli gathered 58 eggs in all.

1. Unknown: the total.
2. Bar model: two parts, 45 and 13; the whole is unknown.
3. Equation: 45 + 13 = ?
4. 45 + 13 = 58
5. Answer: Eli gathered 58 eggs in all.

Farmer Eli gathered 45 eggs in the morning and 13 eggs in the evening. How many eggs did he gather in all?

10. 72 miles. It marched 72 miles.

1. Unknown: the total.
2. Bar model: two parts, 23 and 49; the whole is unknown.
3. Equation: 23 + 49 = ?
4. 23 + 49 = 72
5. Answer: It marched 72 miles.

A Roman legion marched 23 miles one week and 49 miles the next. How far did it march?

11. 2 eggs. The red hen laid 2 more eggs.

1. Unknown: the difference.
2. Bar model: a long bar of 44 and a short bar of 42; the difference is unknown.
3. Equation: 44 − 42 = ?
4. 44 − 42 = 2
5. Answer: The red hen laid 2 more eggs.

The red hen laid 44 eggs this month and the brown hen laid 42. How many more did the red hen lay?

12. 121

1. Ones: 1 + 2 + 9 + 9 = 21. Write 1 and regroup 2 to the tens.
2. Tens: 2 + 3 + 1 + 3 + 3 = 12. Write 12.
3. 31 + 12 + 39 + 39 = 121

31 + 12 + 39 + 39 = ___

13. 39 sheep. 39 sheep are still with him.

1. Unknown: how many are left.
2. Bar model: the whole is 98; one part is 59; the other part is unknown.
3. Equation: 98 − 59 = ?
4. 98 − 59 = 39
5. Answer: 39 sheep are still with him.

A shepherd had 98 sheep. 59 wandered off. How many sheep are still with him?

14. 45 sacks. 45 sacks are still on the wagon.

1. Unknown: how many are left.
2. Bar model: the whole is 82; one part is 37; the other part is unknown.
3. Equation: 82 − 37 = ?
4. 82 − 37 = 45
5. Answer: 45 sacks are still on the wagon.

A wagon carried 82 sacks of flour. 37 sacks were left at the mill. How many sacks are still on the wagon?

15. 9 feet. The oak is 9 feet taller.

1. Unknown: the difference.
2. Bar model: a long bar of 97 and a short bar of 88; the difference is unknown.
3. Equation: 97 − 88 = ?
4. 97 − 88 = 9
5. Answer: The oak is 9 feet taller.

The oak is 97 feet tall. The apple tree is 88 feet tall. How much taller is the oak?

16. 109 miles. It marched 109 miles.

1. Unknown: the total.
2. Bar model: two parts, 66 and 43; the whole is unknown.
3. Equation: 66 + 43 = ?
4. 66 + 43 = 109
5. Answer: It marched 109 miles.

A Roman legion marched 66 miles one week and 43 miles the next. How far did it march?

Every answer was recomputed by an independent checker from the problem data, and every equation in the steps was evaluated.

17. 456 boards. He cut 456 boards.

1. Unknown: the total.
2. Bar model: two parts, 195 and 261; the whole is unknown.
3. Equation: 195 + 261 = ?
4. 195 + 261 = 456
5. Answer: He cut 456 boards.

A carpenter cut 195 boards on Monday and 261 boards on Tuesday. How many boards did he cut?

18. 506 men. 506 men stayed.

1. Unknown: how many are left.
2. Bar model: the whole is 614; one part is 108; the other part is unknown.
3. Equation: 614 − 108 = ?
4. 614 − 108 = 506
5. Answer: 506 men stayed.

Gideon had 614 men. He sent 108 home. How many men stayed?

19. 591 nails. 591 nails are left.

1. Unknown: how many are left.
2. Bar model: the whole is 761; one part is 170; the other part is unknown.
3. Equation: 761 − 170 = ?
4. 761 − 170 = 591
5. Answer: 591 nails are left.

A blacksmith had 761 nails. He used 170 to shoe the horses. How many nails are left?

20. 704

1. Add the tens: 21 + 680 = 701
2. Add the ones: 701 + 3 = 704

21 + 683 = ___

21. 75¢

1. Start with the coin worth the most and count on: 25, 50, 75.
2. Total: 75¢

How much money is shown?

22. 42¢

1. Start with the coin worth the most and count on: 25, 35, 40, 41, 42.
2. Total: 42¢

How much money is shown?

23. $0.76. Both cost $0.76.

1. Work in cents: 38 + 38 = 76
2. 76 cents = $0.76

At the market a loaf costs $0.38 and a jar of honey costs $0.38. How much do both cost?

24. $0.60. She gets $0.60 in change.

1. Work in cents: 100 − 40 = 60
2. Check: 40 + 60 = 100
3. 60 cents = $0.60

Mary buys a basket of figs for $0.40. She pays with $1.00. How much change does she get?