Grade 1 Math: Printables Pack

Grade 1 Math · Contents

1. Writing numerals 0–9
2. Number cards 0–20
3. Ten-frames
4. 120 chart
5. Place-value mat
6. Play money
7. Blank clocks
8. Paper rulers
9. Addition and subtraction flashcards
10. Timed drills with keys
11. Fact-mastery tracker
12. Record sheet
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.

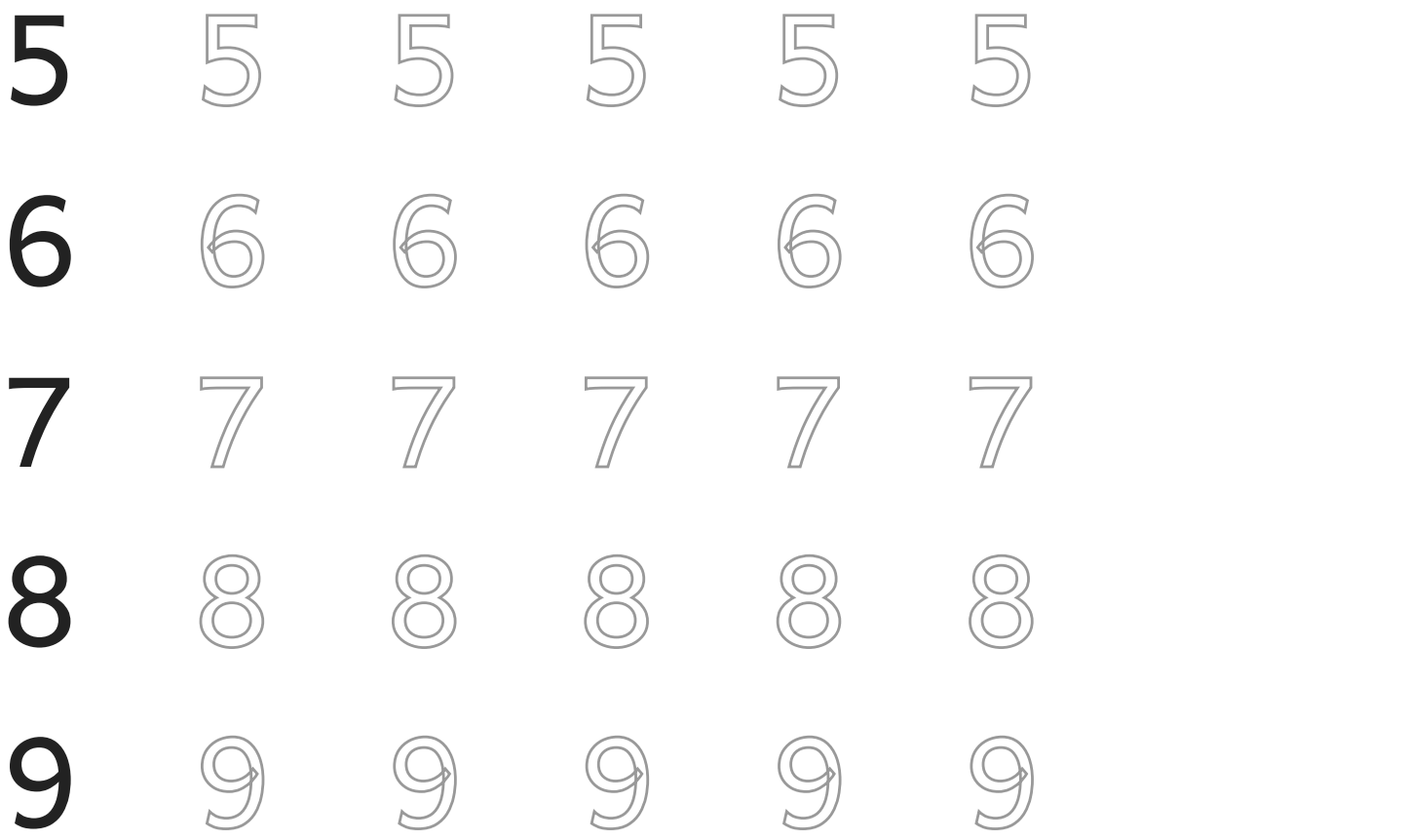
Writing Numerals (ball-and-stick)

Grade 1 Math · Trace the outlined numerals, starting at the top. Then write your own on a separate line.

0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4

Writing Numerals (ball-and-stick)

Grade 1 Math · Trace the outlined numerals, starting at the top. Then write your own on a separate line.



Number Cards 0–20

Grade 1 Math · Cut on the dashed lines. Print on cardstock if you can.

0	1	2	3
4	5	6	7
8	9	10	11
12	13	14	15
16	17	18	19

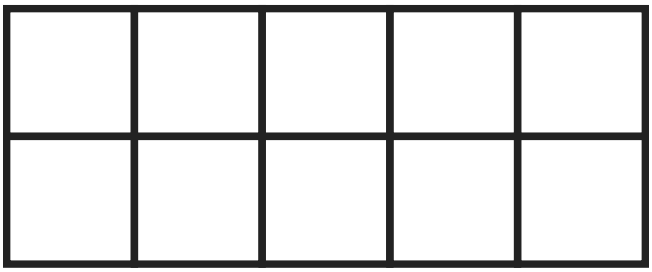
Number Cards 0–20

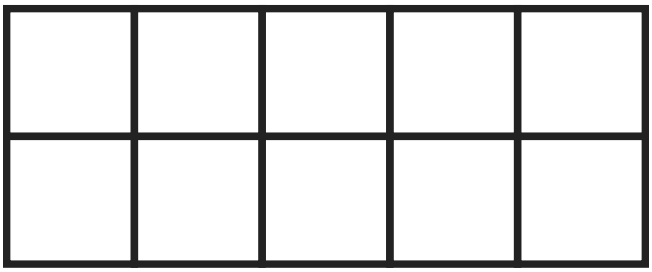
Grade 1 Math · Cut on the dashed lines. Print on cardstock if you can.

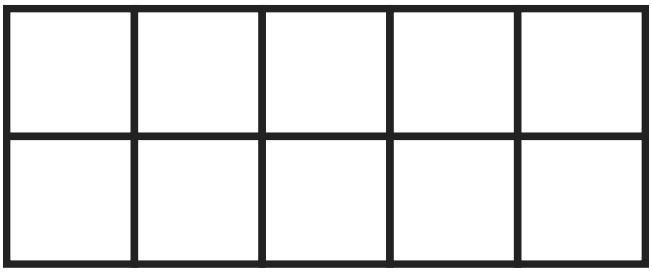
20	+	−	=
<	>	?	10
5	0	1	2
3	4	6	7
8	9	20	15

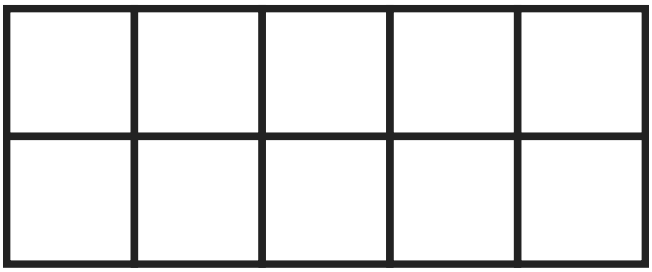
Ten-Frames

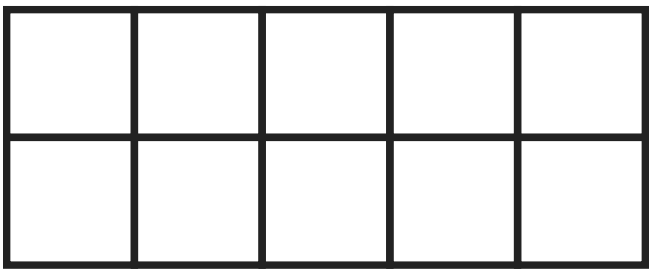
Grade 1 Math · Use with counters: fill the top row first.

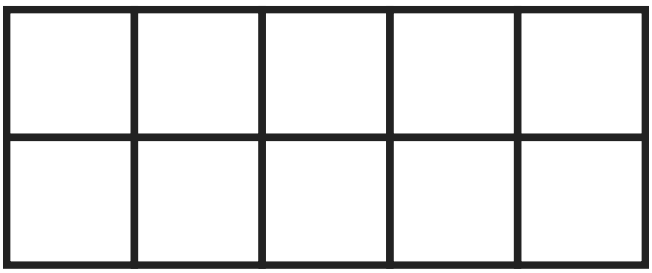


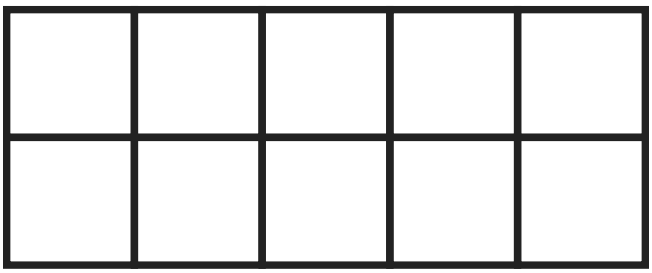


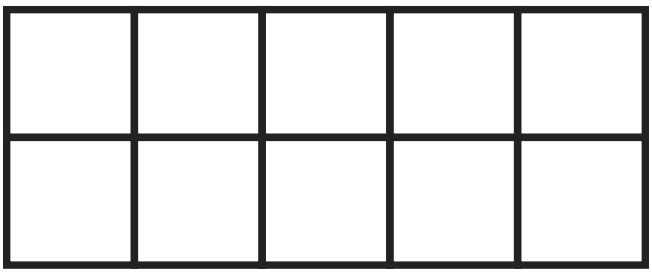












120 Chart

Grade 1 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
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

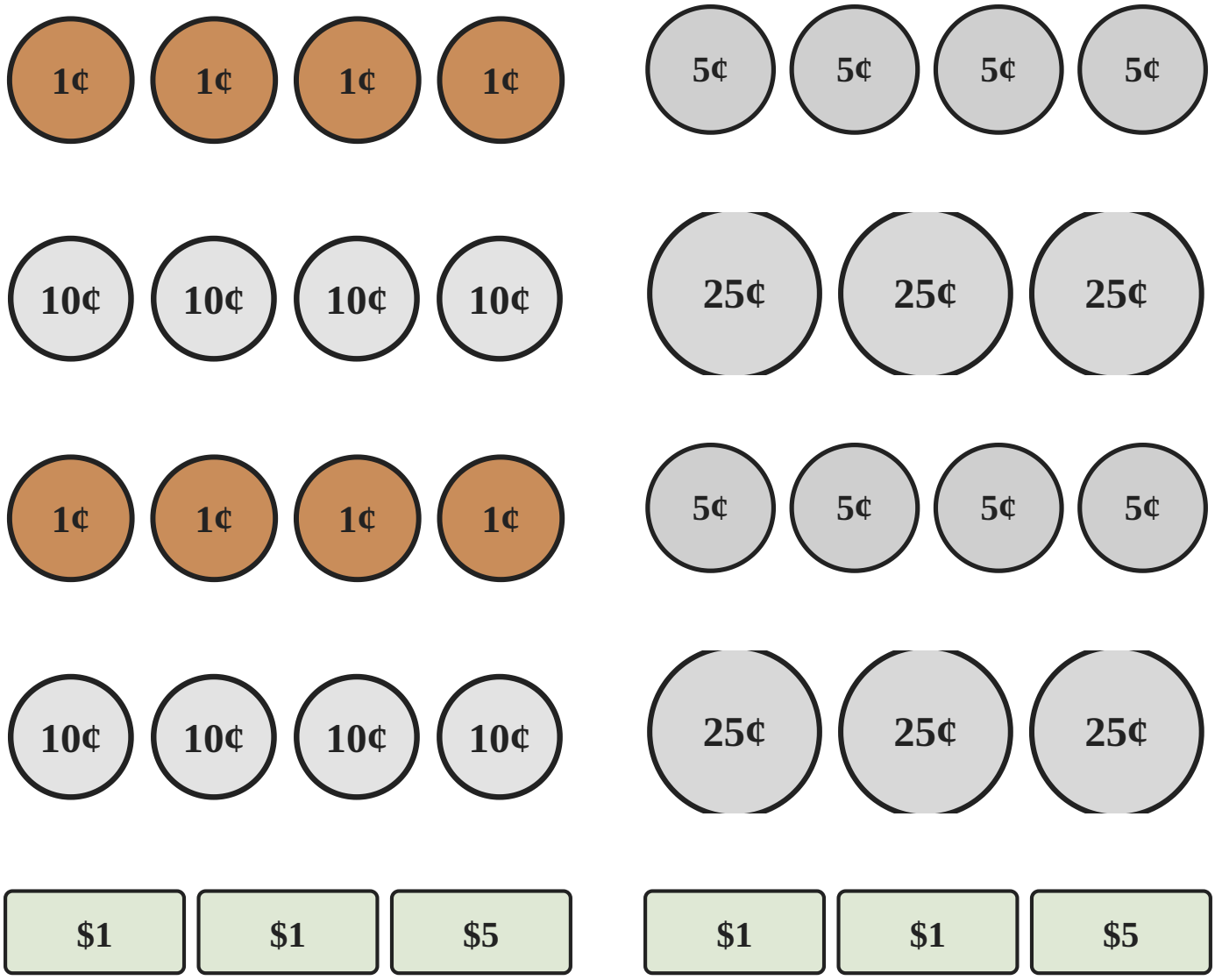
Place-Value Mat

Grade 1 Math · Put blocks or digit cards in the right column.

Hundreds	Tens	Ones

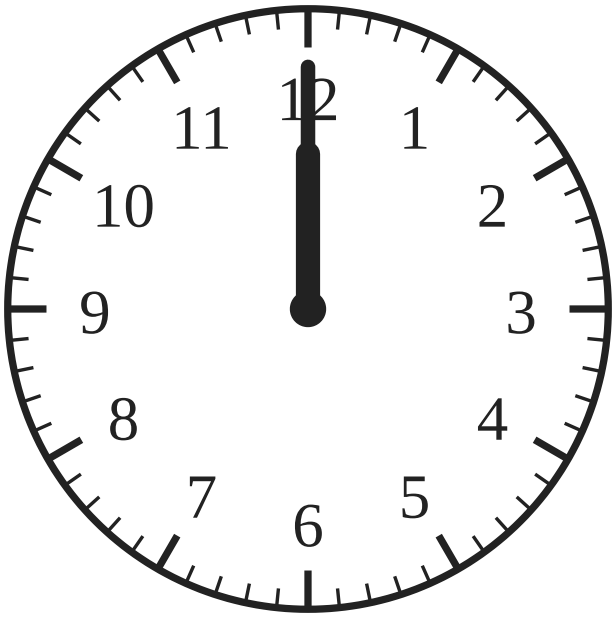
Play Money

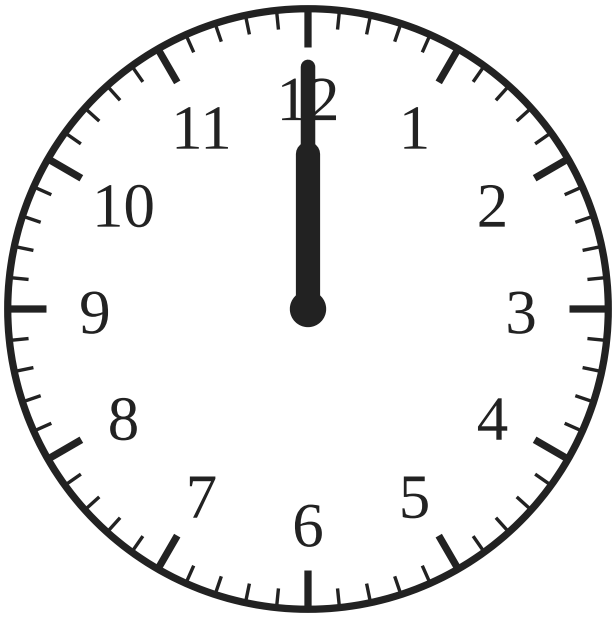
Grade 1 Math · Cut out the coins and bills for store games.

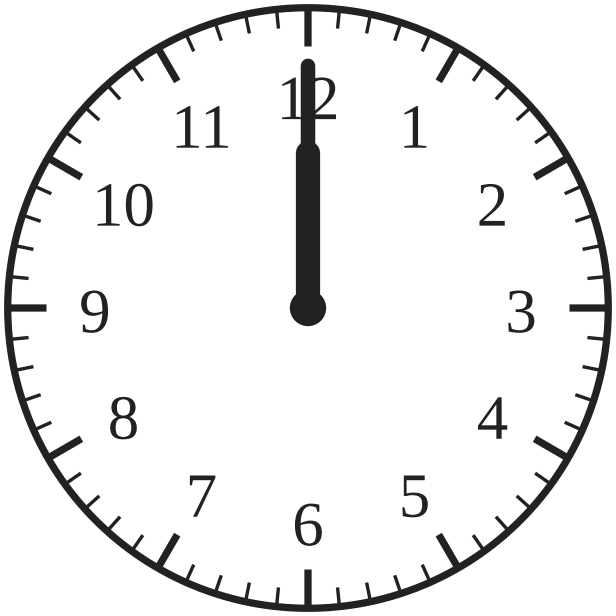


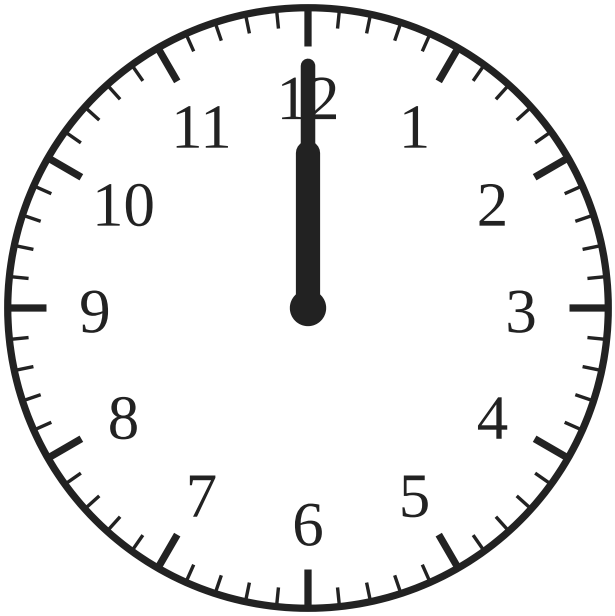
Blank Clocks

Grade 1 Math · Draw the hands for a time your parent says. Cut out one face and add paper hands with a brad.



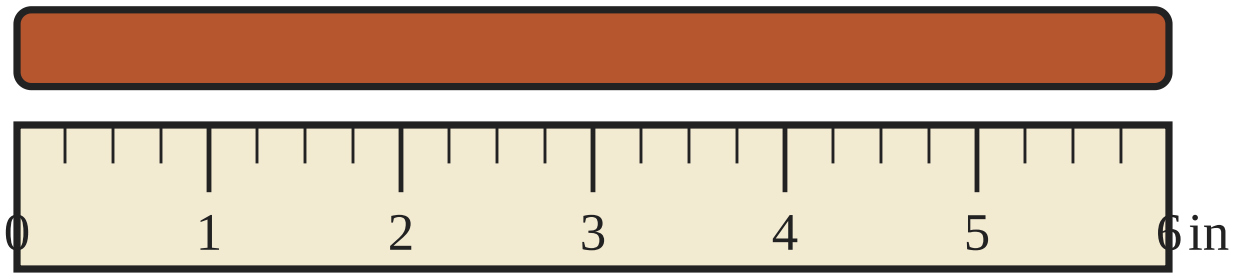


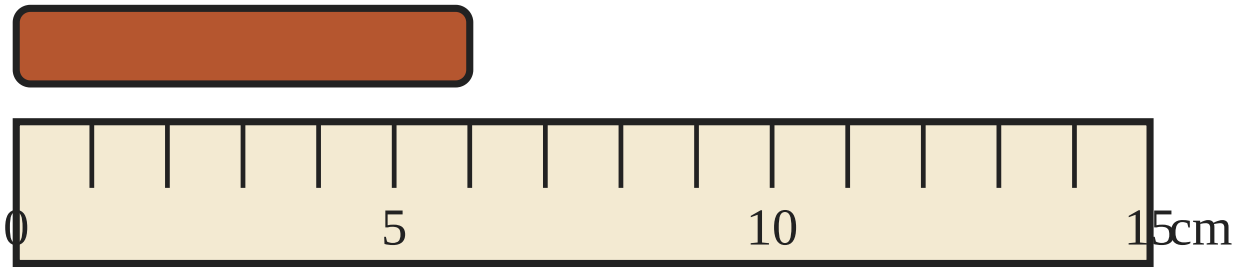


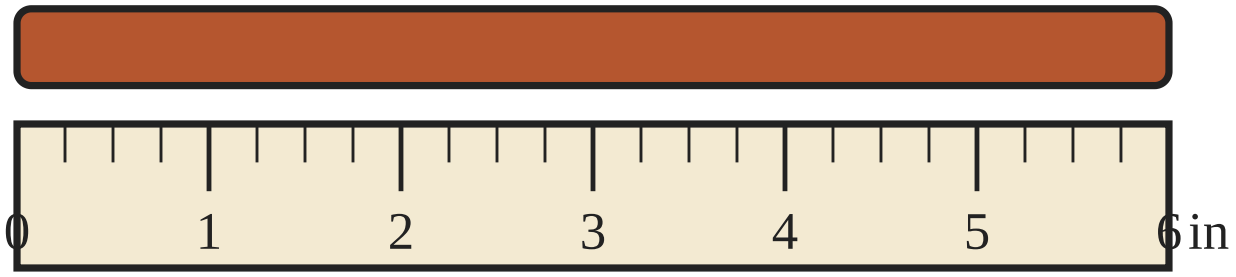


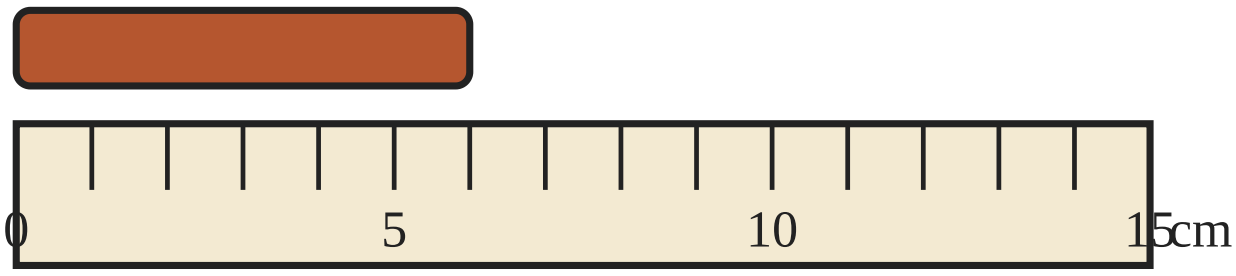
Paper Rulers

Grade 1 Math · Print at 100% (actual size, not “fit to page”) and check one inch against a real ruler before use.









Flashcards (+ facts)

Grade 1 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 1 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 1 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 1 Math · One minute (or as long as it takes; record the time). Score ____ / 60

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

Timed Drill Key: Addition Facts

Grade 1 Math · For the parent. Every answer is computer-checked.

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

Timed Drill: Subtraction Facts

Grade 1 Math · One minute (or as long as it takes; record the time). Score ____ / 60

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

Timed Drill Key: Subtraction Facts

Grade 1 Math · For the parent. Every answer is computer-checked.

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

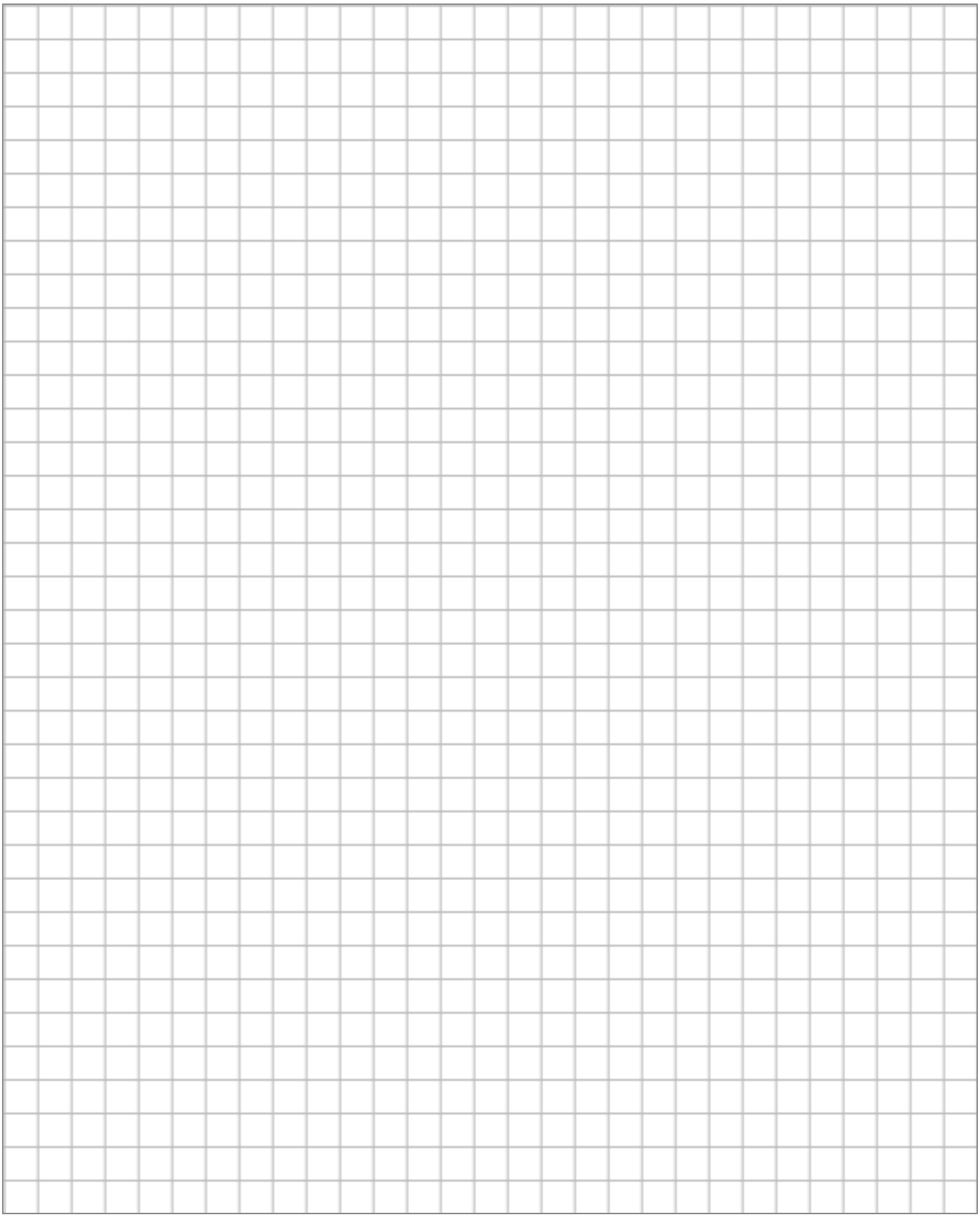
Fact-Mastery Tracker

Grade 1 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 1 Math · One digit per square keeps columns lined up.



Record Sheet

Grade 1 Math · One line per lesson: date finished, Worksheet A score, Worksheet B score, notes.

Lesson	Date	A	B	Notes
1.1 Counting and Writing to 20				
1.2 Number Bonds to 10				
1.3 Comparing with <, > and =				
1.4 Number Lines				
2.1 Counting On				
2.2 Doubles and Near Doubles				
2.3 Making Ten				
2.4 Adding Three Numbers				
3.1 Counting Back				
3.2 Think Addition				
3.3 Fact Families				
3.4 Missing Numbers				
4.1 Joining and Separating Stories				
4.2 Comparing Stories				
4.3 Part-Part-Whole Pictures				
4.4 Two-Step Stories with Small Numbers				
5.1 Tens and Ones				
5.2 Numbers to 100				
5.3 Counting to 120				
5.4 10 More, 10 Less				
6.1 Adding Tens				
6.2 Two-Digit + One-Digit				
6.3 Two-Digit + Tens				
6.4 Subtracting Tens				
7.1 Measuring with Units				
7.2 Inches and the Ruler				
7.3 Time to the Hour				
7.4 Time to the Half Hour				
8.1 Pennies, Nickels, Dimes				
8.2 Fair Shares, Halves and Fourths				
8.3 Building Shapes				
8.4 Tally Charts and Bar Graphs				
9.1 Facts to 20 Review				
9.2 Place Value Review				
9.3 Word Problem Review				
9.4 End-of-Year Check				

Placement Check

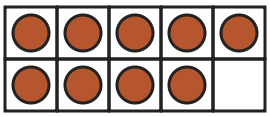
School Launch · Grade 1 Math · Kindergarten skills: counting, numbers to 20, adding and subtracting within 10 · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Read each problem aloud. Your child may use counters and fingers. Write or circle the answer; check it together with the key.

1. How many? Count and write the number. MEDIUM



2. Write <, > or = : 15 ___ 19 MEDIUM

3. Fill in the missing number: 14, 15, 16, 17, ___ MEDIUM

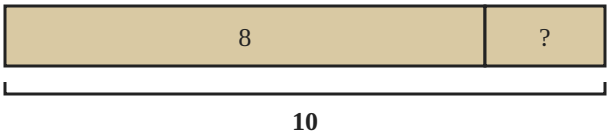
4. 5 + 0 = ___ MEDIUM

5. 3 + 1 = ___ MEDIUM

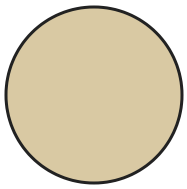
6. 4 − 2 = ___ MEDIUM

7. 6 − 0 = ___ MEDIUM

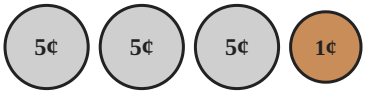
8. Number bond: 10 is 8 and ___. MEDIUM



9. Name this shape. MEDIUM



10. How much money is shown? MEDIUM



Answer Key · Placement Check

School Launch · Grade 1 Math · Kindergarten skills: counting, numbers to 20, adding and subtracting within 10 · Worksheet A · for the parent

Key

1. 9

1. Touch each one and count: 1, 2, 3 … 9.

How many? Count and write the number.

2. 15 < 19

1. 15 is less than 19.
2. 15 < 19

Write <, > or = : 15 ___ 19

3. 18

1. The numbers go up by 1 each time.
2. 17 + 1 = 18

Fill in the missing number: 14, 15, 16, 17, ___

4. 5

1. Start at 5 and count on 0: .
2. 5 + 0 = 5

5 + 0 = ___

5. 4

1. Start at 3 and count on 1: 4.
2. 3 + 1 = 4

3 + 1 = ___

6. 2

1. Start at 4 and count back 2: 3, 2.
2. 4 − 2 = 2

4 − 2 = ___

7. 6

1. 6 − 0 = 6
2. Check: 6 + 0 = 6

6 − 0 = ___

8. 2

1. 8 + ___ = 10
2. 8 + 2 = 10

Number bond: 10 is 8 and ___.

9. circle

1. It is round, with no sides or corners.
2. It is a circle.

Name this shape.

10. 16¢

1. Start with the coin worth the most and count on: 5, 10, 15, 16.
2. Total: 16¢

How much money is shown?

Unit 1 Check: Numbers to 20 Again

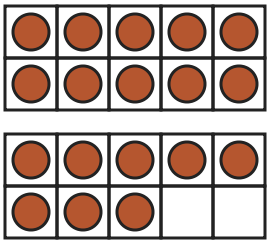
School Launch · Grade 1 Math · Unit 1: Numbers to 20 Again · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 12

Read each problem aloud. Your child may use counters and fingers. Write or circle the answer; check it together with the key.

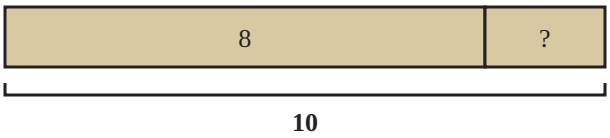
1. How many? Count and write the number. MEDIUM



2. Write the number in digits: *fifteen* MEDIUM

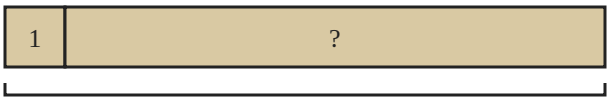
3. Fill in the missing number: 0, 1, 2, 3, ___ HARD

4. Number bond: 10 is 8 and ___. MEDIUM



5. Find the missing number: 3 + ___ = 8 HARD

6. Number bond: 10 is 1 and ___. MEDIUM



7. Write <, > or = : 13 ___ 15 MEDIUM

8. Write in order from least to greatest: 10, 11, 5, 14 HARD

9. Write <, > or = : 5 ___ 12 MEDIUM

10. Fill in the missing number: 7, 6, ___, 4, 3 MEDIUM

11. Fill in the missing number: 12, 14, 16, ___, 20 HARD

12. Fill in the missing number: 9, 8, 7, ___, 5 MEDIUM

Answer Key · Unit 1 Check: Numbers to 20 Again

School Launch · Grade 1 Math · Unit 1: Numbers to 20 Again · Worksheet A · for the parent

Key

1. 18

1. Count the full tens first, then the ones: 1 ten and 8 more make 18.

How many? Count and write the number.

2. 15

1. Read it in groups: fifteen → 15

Write the number in digits: *fifteen*

3. 4

1. The numbers go up by 1 each time.
2. 3 + 1 = 4

Fill in the missing number: 0, 1, 2, 3, ___

4. 2

1. 8 + ___ = 10
2. 8 + 2 = 10

Number bond: 10 is 8 and ___.

5. 5

1. Think: what goes with 3 to make 8?
2. 8 − 3 = 5
3. Check: 3 + 5 = 8

Find the missing number: 3 + ___ = 8

6. 9

1. 1 + ___ = 10
2. 1 + 9 = 10

Number bond: 10 is 1 and ___.

7. 13 < 15

1. 13 is less than 15.
2. 13 < 15

Write <, > or = : 13 ___ 15

8. 5, 10, 11, 14

1. Compare the biggest place first, then the next place.
2. 5 < 10 < 11 < 14

Write in order from least to greatest: 10, 11, 5, 14

9. 5 < 12

1. 5 is less than 12.
2. 5 < 12

Write <, > or = : 5 ___ 12

10. 5

1. The numbers go down by 1 each time.
2. 6 − 1 = 5

Fill in the missing number: 7, 6, ___, 4, 3

11. 18

1. The numbers go up by 2 each time.
2. 16 + 2 = 18

Fill in the missing number: 12, 14, 16, ___, 20

12. 6

1. The numbers go down by 1 each time.
2. 7 − 1 = 6

Fill in the missing number: 9, 8, 7, ___, 5

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

Unit 2 Check: Addition Strategies

School Launch · Grade 1 Math · Unit 2: Addition Strategies · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 12

Read each problem aloud. Your child may use counters and fingers. Write or circle the answer; check it together with the key.

1. 3 + 10 = ___ MEDIUM

2. A Roman legion marched 12 miles one week and 5 miles the next. How far did it march? HARD



3. 5 + 8 = ___ MEDIUM

4. 9 + 5 = ___ MEDIUM

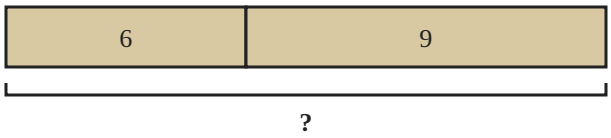
5. Ruth gleaned 9 bundles of barley one day and 5 the next. How many bundles did she glean? HARD



6. 4 + 9 = ___ MEDIUM

7. 9 + 6 = ___ MEDIUM

8. A carpenter cut 6 boards on Monday and 9 boards on Tuesday. How many boards did he cut? HARD



9. 5 + 7 = ___ MEDIUM

10. 3 + 1 + 3 = ___ MEDIUM

11. 6 + 8 + 4 = ___ HARD

12. 2 + 6 + 5 = ___ MEDIUM

Answer Key · Unit 2 Check: Addition Strategies

School Launch · Grade 1 Math · Unit 2: Addition Strategies · Worksheet A · for the parent

Key

1. 13

1. Start with the bigger number, 10, and count on 3: 11, 12, 13.
2. 10 + 3 = 13

3 + 10 = ___

2. 17 miles. It marched 17 miles.

1. Unknown: the total.
2. Bar model: two parts, 12 and 5; the whole is unknown.
3. Equation: 12 + 5 = ?
4. 12 + 5 = 17
5. Answer: It marched 17 miles.

A Roman legion marched 12 miles one week and 5 miles the next. How far did it march?

3. 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

5 + 8 = ___

4. 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

9 + 5 = ___

5. 14 bundles. Ruth gleaned 14 bundles.

1. Unknown: the total.
2. Bar model: two parts, 9 and 5; the whole is unknown.
3. Equation: 9 + 5 = ?
4. 9 + 5 = 14
5. Answer: Ruth gleaned 14 bundles.

Ruth gleaned 9 bundles of barley one day and 5 the next. How many bundles did she glean?

6. 13

1. Make ten: 9 needs 1 more to make 10.
2. Split 4 into 1 and 3.
3. 9 + 1 = 10
4. 10 + 3 = 13

4 + 9 = ___

7. 15

1. Make ten: 9 needs 1 more to make 10.
2. Split 6 into 1 and 5.
3. 9 + 1 = 10
4. 10 + 5 = 15

9 + 6 = ___

8. 15 boards. He cut 15 boards.

1. Unknown: the total.
2. Bar model: two parts, 6 and 9; the whole is unknown.
3. Equation: 6 + 9 = ?
4. 6 + 9 = 15
5. Answer: He cut 15 boards.

A carpenter cut 6 boards on Monday and 9 boards on Tuesday. How many boards did he cut?

9. 12

1. Make ten: 7 needs 3 more to make 10.
2. Split 5 into 3 and 2.
3. 7 + 3 = 10
4. 10 + 2 = 12

5 + 7 = ___

10. 7

1. 3 + 1 = 4
2. 4 + 3 = 7

3 + 1 + 3 = ___

11. 18

1. Look for a pair that makes ten: 6 + 4 = 10
2. 10 + 8 = 18

6 + 8 + 4 = ___

12. 13

1. 2 + 6 = 8
2. 8 + 5 = 13

2 + 6 + 5 = ___

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

Unit 3 Check: Subtraction Strategies

School Launch · Grade 1 Math · Unit 3: Subtraction Strategies · Worksheet A

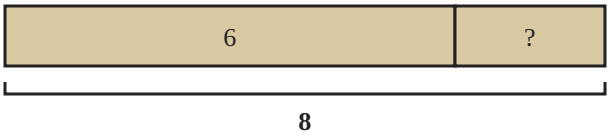
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Name _____ Date _____ Score _____ / 12

Read each problem aloud. Your child may use counters and fingers. Write or circle the answer; check it together with the key.

1. 11 − 3 = ___ MEDIUM

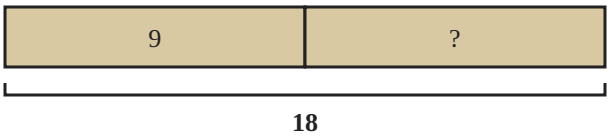
2. The orchard had 8 apples on a tree. The children picked 6. How many apples are left on the tree? HARD



3. 15 − 1 = ___ MEDIUM

4. 16 − 8 = ___ MEDIUM

5. A shepherd had 18 sheep. 9 wandered off. How many sheep are still with him? HARD



6. 11 − 5 = ___ MEDIUM

7. Write the fact family for 3, 8 and 11. MEDIUM

8. 13 − 5 = ___ HARD

9. Write the fact family for 7, 3 and 10. MEDIUM

10. Find the missing number: ___ + 4 = 11 MEDIUM

11. Find the missing number: 13 − ___ = 5 HARD

12. Find the missing number: 9 + ___ = 17 MEDIUM

Answer Key · Unit 3 Check: Subtraction Strategies

School Launch · Grade 1 Math · Unit 3: Subtraction Strategies · Worksheet A · for the parent

Key

1. 8

1. Start at 11 and count back 3: 10, 9, 8.
2. 11 − 3 = 8

11 − 3 = ___

2. 2 apples. 2 apples are left.

1. Unknown: how many are left.
2. Bar model: the whole is 8; one part is 6; the other part is unknown.
3. Equation: 8 − 6 = ?
4. 8 − 6 = 2
5. Answer: 2 apples are left.

The orchard had 8 apples on a tree. The children picked 6. How many apples are left on the tree?

3. 14

1. Start at 15 and count back 1: 14.
2. 15 − 1 = 14

15 − 1 = ___

4. 8

1. Think addition: 8 + ___ = 16
2. 8 + 8 = 16
3. So 16 − 8 = 8

16 − 8 = ___

5. 9 sheep. 9 sheep are still with him.

1. Unknown: how many are left.
2. Bar model: the whole is 18; one part is 9; the other part is unknown.
3. Equation: 18 − 9 = ?
4. 18 − 9 = 9
5. Answer: 9 sheep are still with him.

A shepherd had 18 sheep. 9 wandered off. How many sheep are still with him?

6. 6

1. Think addition: 5 + ___ = 11
2. 5 + 6 = 11
3. So 11 − 5 = 6

11 − 5 = ___

7. 3 + 8 = 11; 8 + 3 = 11; 11 − 3 = 8; 11 − 8 = 3

1. 3 + 8 = 11
2. 8 + 3 = 11
3. 11 − 3 = 8
4. 11 − 8 = 3

Write the fact family for 3, 8 and 11.

8. 8

1. Take away to get to ten: 13 − 3 = 10
2. Take away the rest: 10 − 2 = 8

13 − 5 = ___

9. 7 + 3 = 10; 3 + 7 = 10; 10 − 7 = 3; 10 − 3 = 7

1. 7 + 3 = 10
2. 3 + 7 = 10
3. 10 − 7 = 3
4. 10 − 3 = 7

Write the fact family for 7, 3 and 10.

10. 7

1. Think: what goes with 4 to make 11?
2. 11 − 4 = 7
3. Check: 7 + 4 = 11

Find the missing number: ___ + 4 = 11

11. 8

1. Think addition: 5 + ___ = 13
2. 13 − 5 = 8

Find the missing number: 13 − ___ = 5

12. 8

1. Think: what goes with 9 to make 17?
2. 17 − 9 = 8
3. Check: 9 + 8 = 17

Find the missing number: 9 + ___ = 17

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

Unit 4 Check: Word Problems

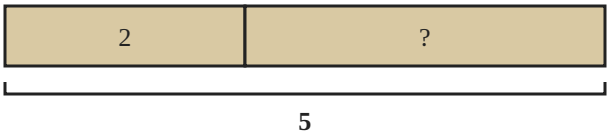
School Launch · Grade 1 Math · Unit 4: Word Problems · Worksheet A

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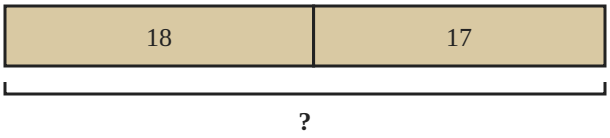
Name _____ Date _____ Score _____ / 12

Read each problem aloud. Your child may use counters and fingers. Write or circle the answer; check it together with the key.

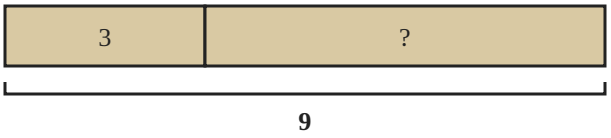
1. The orchard had 5 apples on a tree. The children picked 2. How many apples are left on the tree? HARD



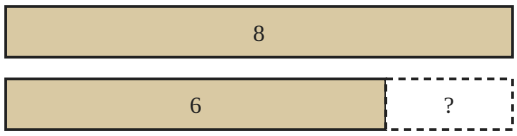
2. A carpenter cut 18 boards on Monday and 17 boards on Tuesday. How many boards did he cut? HARD



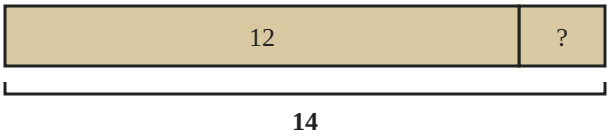
3. The orchard had 9 apples on a tree. The children picked 3. How many apples are left on the tree? HARD



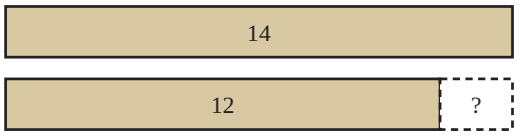
4. The red hen laid 8 eggs this month and the brown hen laid 6. How many more did the red hen lay? HARD



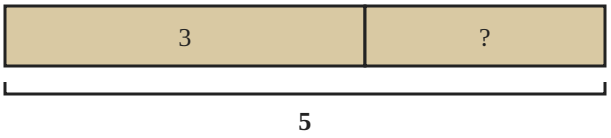
5. A shepherd had 14 sheep. 12 wandered off. How many sheep are still with him? HARD



6. Jacob has 14 goats and Laban has 12 goats. How many more goats does Jacob have? HARD

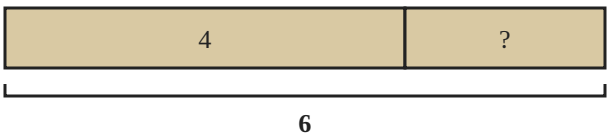


7. Gideon had 5 men. He sent 3 home. How many men stayed? HARD



8. Find the missing number: ___ + 9 = 15 HARD

9. Gideon had 6 men. He sent 4 home. How many men stayed? HARD

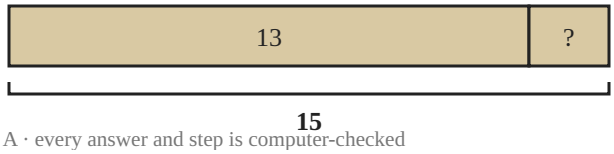


10. A carpenter cut 13 boards on Monday and 7 boards on Tuesday. How many boards did he cut? HARD



11. There were 4 hens in the yard. 9 more came out of the barn. Then 5 went back in. How many hens are in the yard now? HARD

12. The orchard had 15 apples on a tree. The children picked 13. How many apples are left on the tree? HARD



Answer Key · Unit 4 Check: Word Problems

School Launch · Grade 1 Math · Unit 4: Word Problems · Worksheet A · for the parent

Key

1. 3 apples. 3 apples are left.

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

The orchard had 5 apples on a tree. The children picked 2. How many apples are left on the tree?

2. 35 boards. He cut 35 boards.

1. Unknown: the total.
2. Bar model: two parts, 18 and 17; the whole is unknown.
3. Equation: 18 + 17 = ?
4. 18 + 17 = 35
5. Answer: He cut 35 boards.

A carpenter cut 18 boards on Monday and 17 boards on Tuesday. How many boards did he cut?

3. 6 apples. 6 apples are left.

1. Unknown: how many are left.
2. Bar model: the whole is 9; one part is 3; the other part is unknown.
3. Equation: 9 − 3 = ?
4. 9 − 3 = 6
5. Answer: 6 apples are left.

The orchard had 9 apples on a tree. The children picked 3. How many apples are left on the tree?

4. 2 eggs. The red hen laid 2 more eggs.

1. Unknown: the difference.
2. Bar model: a long bar of 8 and a short bar of 6; the difference is unknown.
3. Equation: 8 − 6 = ?
4. 8 − 6 = 2
5. Answer: The red hen laid 2 more eggs.

The red hen laid 8 eggs this month and the brown hen laid 6. How many more did the red hen lay?

5. 2 sheep. 2 sheep are still with him.

1. Unknown: how many are left.
2. Bar model: the whole is 14; one part is 12; the other part is unknown.
3. Equation: 14 − 12 = ?
4. 14 − 12 = 2
5. Answer: 2 sheep are still with him.

A shepherd had 14 sheep. 12 wandered off. How many sheep are still with him?

6. 2 goats. Jacob has 2 more goats.

1. Unknown: the difference.
2. Bar model: a long bar of 14 and a short bar of 12; the difference is unknown.
3. Equation: 14 − 12 = ?
4. 14 − 12 = 2
5. Answer: Jacob has 2 more goats.

Jacob has 14 goats and Laban has 12 goats. How many more goats does Jacob have?

7. 2 men. 2 men stayed.

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

Gideon had 5 men. He sent 3 home. How many men stayed?

8. 6

1. Think: what goes with 9 to make 15?
2. 15 − 9 = 6
3. Check: 6 + 9 = 15

Find the missing number: ___ + 9 = 15

9. 2 men. 2 men stayed.

1. Unknown: how many are left.
2. Bar model: the whole is 6; one part is 4; the other part is unknown.
3. Equation: 6 − 4 = ?
4. 6 − 4 = 2
5. Answer: 2 men stayed.

Gideon had 6 men. He sent 4 home. How many men stayed?

10. 20 boards. He cut 20 boards.

1. Unknown: the total.
2. Bar model: two parts, 13 and 7; the whole is unknown.
3. Equation: 13 + 7 = ?
4. 13 + 7 = 20
5. Answer: He cut 20 boards.

A carpenter cut 13 boards on Monday and 7 boards on Tuesday. How many boards did he cut?

11. 8 hens. 8 hens are in the yard now.

1. Unknown: how many at the end.
2. Step 1: 4 + 9 = 13
3. Step 2: 13 − 5 = 8
4. Answer: 8 hens are in the yard now.

There were 4 hens in the yard. 9 more came out of the barn. Then 5 went back in. How many hens are in the yard now?

12. 2 apples. 2 apples are left.

1. Unknown: how many are left.
2. Bar model: the whole is 15; one part is 13; the other part is unknown.
3. Equation: 15 − 13 = ?
4. 15 − 13 = 2
5. Answer: 2 apples are left.

The orchard had 15 apples on a tree. The children picked 13. How many apples are left on the tree?

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

Unit 5 Check: Place Value to 120

School Launch · Grade 1 Math · Unit 5: Place Value to 120 · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 12

Read each problem aloud. Your child may use counters and fingers. Write or circle the answer; check it together with the key.

1. How many tens and ones are in 31? MEDIUM

2. 8 tens and 2 ones make what number? HARD

3. How many tens and ones are in 52? MEDIUM

4. Write <, > or = : 34 ___ 19 MEDIUM

5. Write the number in digits: *thirty-four* HARD

6. Write <, > or = : 72 ___ 87 MEDIUM

7. What number comes just after 105? MEDIUM

8. Write the number in digits: *one hundred four* HARD

9. What number comes just after 98? MEDIUM

10. What number is ten less than 57? MEDIUM

11. Fill in the missing number: 26, 36, 46, ___, 66 HARD

12. What number is ten less than 38? MEDIUM

Answer Key · Unit 5 Check: Place Value to 120

School Launch · Grade 1 Math · Unit 5: Place Value to 120 · Worksheet A · for the parent

Key

1. 3 tens 1 ones

1. The tens digit is 3: 3 tens = 30.
2. The ones digit is 1.
3. 30 + 1 = 31

How many tens and ones are in 31?

2. 82

1. 8 tens = 80
2. 80 + 2 = 82

8 tens and 2 ones make what number?

3. 5 tens 2 ones

1. The tens digit is 5: 5 tens = 50.
2. The ones digit is 2.
3. 50 + 2 = 52

How many tens and ones are in 52?

4. 34 > 19

1. Compare from the left. The first place that differs is the tens: 3 and 1.
2. 34 > 19

Write <, > or = : 34 ___ 19

5. 34

1. Read it in groups: thirty-four → 34

Write the number in digits: *thirty-four*

6. 72 < 87

1. Compare from the left. The first place that differs is the tens: 7 and 8.
2. 72 < 87

Write <, > or = : 72 ___ 87

7. 106

1. 105 + 1 = 106

What number comes just after 105?

8. 104

1. Read it in groups: one hundred four → 104

Write the number in digits: *one hundred four*

9. 99

1. 98 + 1 = 99

What number comes just after 98?

10. 47

1. 57 − 10 = 47

What number is ten less than 57?

11. 56

1. The numbers go up by 10 each time.
2. 46 + 10 = 56

Fill in the missing number: 26, 36, 46, ___, 66

12. 28

1. 38 − 10 = 28

What number is ten less than 38?

Unit 6 Check: Adding and Subtracting Tens

School Launch · Grade 1 Math · Unit 6: Adding and Subtracting Tens · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 12

Read each problem aloud. Your child may use counters and fingers. Write or circle the answer; check it together with the key.

1. 20 + 40 = ___ MEDIUM

2. A Roman legion marched 13 miles one week and 30 miles the next. How far did it march?

HARD

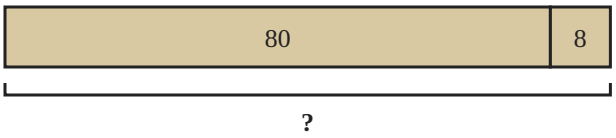


3. 40 + 30 = ___ MEDIUM

4. 44 + 3 = ___ MEDIUM

5. Ruth gleaned 80 bundles of barley one day and 8 the next. How many bundles did she glean?

HARD

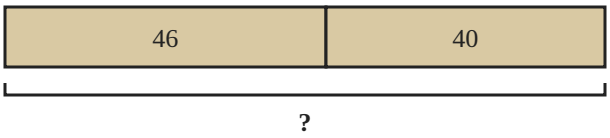


6. 82 + 3 = ___ MEDIUM

7. 33 + 40 = ___ MEDIUM

8. A Roman legion marched 46 miles one week and 40 miles the next. How far did it march?

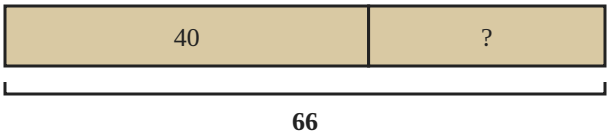
HARD



9. 22 + 20 = ___ MEDIUM

10. 43 − 30 = ___ MEDIUM

11. A blacksmith had 66 nails. He used 40 to shoe the horses. How many nails are left? HARD



12. 70 − 30 = ___ MEDIUM

Answer Key · Unit 6 Check: Adding and Subtracting Tens

School Launch · Grade 1 Math · Unit 6: Adding and Subtracting Tens · Worksheet A · for the parent

Key

1. 60

1. Add the tens: 20 + 40 = 60

20 + 40 = ___

2. 43 miles. It marched 43 miles.

1. Unknown: the total.
2. Bar model: two parts, 13 and 30; the whole is unknown.
3. Equation: 13 + 30 = ?
4. 13 + 30 = 43
5. Answer: It marched 43 miles.

A Roman legion marched 13 miles one week and 30 miles the next. How far did it march?

3. 70

1. Add the tens: 40 + 30 = 70

40 + 30 = ___

4. 47

1. Start at 44 and count on 3: 45, 46, 47.
2. 44 + 3 = 47

44 + 3 = ___

5. 88 bundles. Ruth gleaned 88 bundles.

1. Unknown: the total.
2. Bar model: two parts, 80 and 8; the whole is unknown.
3. Equation: 80 + 8 = ?
4. 80 + 8 = 88
5. Answer: Ruth gleaned 88 bundles.

Ruth gleaned 80 bundles of barley one day and 8 the next. How many bundles did she glean?

6. 85

1. Start at 82 and count on 3: 83, 84, 85.
2. 82 + 3 = 85

82 + 3 = ___

7. 73

1. Add the tens: 33 + 40 = 73

33 + 40 = ___

8. 86 miles. It marched 86 miles.

1. Unknown: the total.
2. Bar model: two parts, 46 and 40; the whole is unknown.
3. Equation: 46 + 40 = ?
4. 46 + 40 = 86
5. Answer: It marched 86 miles.

A Roman legion marched 46 miles one week and 40 miles the next. How far did it march?

9. 42

1. Add the tens: 22 + 20 = 42

22 + 20 = ___

10. 13

1. Take away the tens: 43 − 30 = 13

43 − 30 = ___

11. 26 nails. 26 nails are left.

1. Unknown: how many are left.
2. Bar model: the whole is 66; one part is 40; the other part is unknown.
3. Equation: 66 − 40 = ?
4. 66 − 40 = 26
5. Answer: 26 nails are left.

A blacksmith had 66 nails. He used 40 to shoe the horses. How many nails are left?

12. 40

1. Take away the tens: 70 − 30 = 40

70 − 30 = ___

Unit 7 Check: Measuring and Time

School Launch · Grade 1 Math · Unit 7: Measuring and Time · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 12

Read each problem aloud. Your child may use counters and fingers. Write or circle the answer; check it together with the key.

1. Which is longer, A or B? MEDIUM

A 

B 

2. How many squares long is the bar? HARD

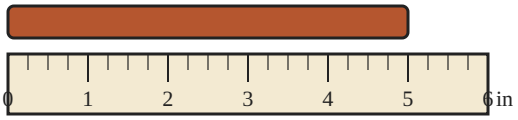


3. Which is longer, A or B? MEDIUM

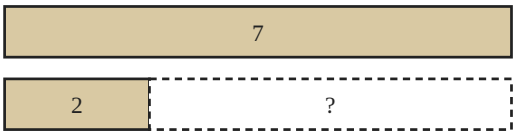
A 

B 

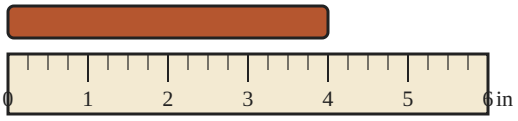
4. How long is the bar, to the nearest inch? MEDIUM



5. Sarah sewed 7 stitches and Anna sewed 2. How many fewer stitches did Anna sew? HARD



6. How long is the bar, to the nearest inch? MEDIUM

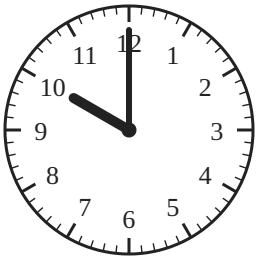


7. What time does the clock show? MEDIUM

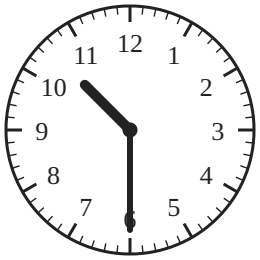


8. Today is Thursday. What day will it be tomorrow? HARD

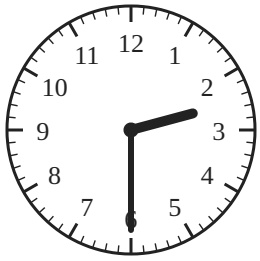
9. What time does the clock show? MEDIUM



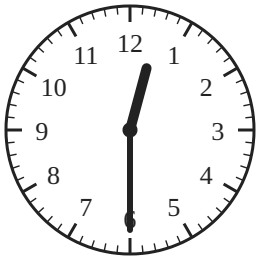
10. What time does the clock show? MEDIUM



11. What time does the clock show? HARD



12. What time does the clock show? MEDIUM



Answer Key · Unit 7 Check: Measuring and Time

School Launch · Grade 1 Math · Unit 7: Measuring and Time · Worksheet A · for the parent

Key

1. A

1. Both start at the same place. Compare the ends.
2. A is longer.

Which is longer, A or B?

2. 9

1. Count the squares from one end to the other: 1, 2 … 9.

How many squares long is the bar?

3. A

1. Both start at the same place. Compare the ends.
2. A is longer.

Which is longer, A or B?

4. 5 in

1. The bar starts at 0.
2. Its end lines up with 5, so it is 5 inches long.

How long is the bar, to the nearest inch?

5. 5 stitches. Anna sewed 5 fewer stitches.

1. Unknown: the difference.
2. Bar model: a long bar of 7 and a short bar of 2; the difference is unknown.
3. Equation: $7 - 2 = ?$
4. $7 - 2 = 5$
5. Answer: Anna sewed 5 fewer stitches.

Sarah sewed 7 stitches and Anna sewed 2. How many fewer stitches did Anna sew?

6. 4 in

1. The bar starts at 0.
2. Its end lines up with 4, so it is 4 inches long.

How long is the bar, to the nearest inch?

7. 1:00

1. The short hand is on the 1, so the hour is 1.
2. The long hand points straight up to 12, so it is o’clock: 0 minutes.
3. The time is 1:00.

What time does the clock show?

8. Friday

1. Say the days in order: Thursday, Friday.
2. The answer is Friday.

Today is Thursday. What day will it be tomorrow?

9. 10:00

1. The short hand is on the 10, so the hour is 10.
2. The long hand points straight up to 12, so it is o’clock: 0 minutes.
3. The time is 10:00.

What time does the clock show?

10. 10:30

1. The short hand is past the 10, so the hour is 10.
2. The long hand points to the 6. Count by fives: $6 \times 5 = 30$ minutes.
3. The time is 10:30.

What time does the clock show?

11. 2:30

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

What time does the clock show?

12. 12:30

1. The short hand is past the 12, so the hour is 12.
2. The long hand points to the 6. Count by fives: $6 \times 5 = 30$ minutes.
3. The time is 12:30.

What time does the clock show?

Unit 8 Check: Money, Shapes and Graphs

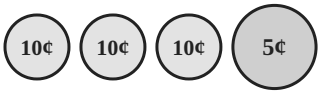
School Launch · Grade 1 Math · Unit 8: Money, Shapes and Graphs · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 12

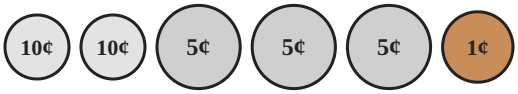
Read each problem aloud. Your child may use counters and fingers. Write or circle the answer; check it together with the key.

1. How much money is shown? MEDIUM

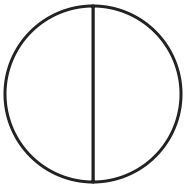


2. A loaf costs 22¢. You pay with 50¢. How much change do you get? HARD

3. How much money is shown? MEDIUM



4. This shape is cut into equal parts. What are the parts called? MEDIUM



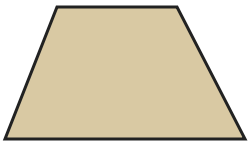
5. What fraction of the shape is shaded? HARD



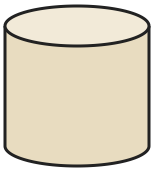
6. This shape is cut into equal parts. What are the parts called? MEDIUM



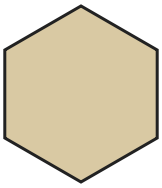
7. How many sides does this shape have? MEDIUM



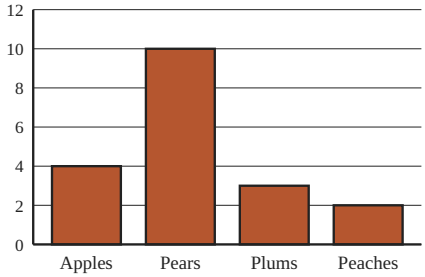
8. Name this solid shape. HARD



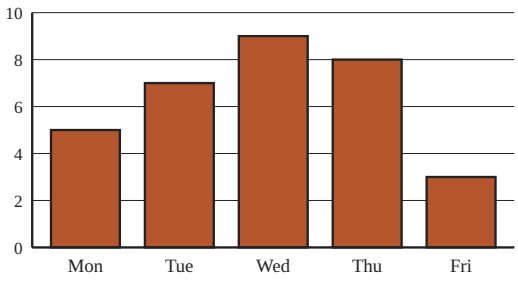
9. How many sides does this shape have? MEDIUM



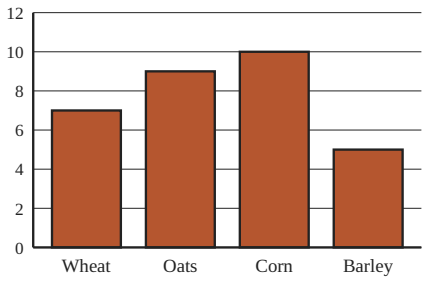
10. How many more Pears than Peaches? MEDIUM



11. How many more Wed than Mon? HARD



12. How many more Oats than Barley? MEDIUM



Answer Key · Unit 8 Check: Money, Shapes and Graphs

School Launch · Grade 1 Math · Unit 8: Money, Shapes and Graphs · Worksheet A · for the parent

Key

1. 35¢

1. Start with the coin worth the most and count on: 10, 20, 30, 35.
2. Total: 35¢

How much money is shown?

2. 28¢

1. Subtract in cents: 50 − 22 = 28
2. Check: 22 + 28 = 50
3. Change: 28¢

A loaf costs 22¢. You pay with 50¢. How much change do you get?

3. 36¢

1. Start with the coin worth the most and count on: 10, 20, 25, 30, 35, 36.
2. Total: 36¢

How much money is shown?

4. halves

1. Count the equal parts: 2.
2. 2 equal parts are called halves.

This shape is cut into equal parts. What are the parts called?

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

1. The whole has 4 equal parts.
2. 1 part is shaded.
3. So $\frac{1}{4}$ is shaded.

What fraction of the shape is shaded?

6. halves

1. Count the equal parts: 2.
2. 2 equal parts are called halves.

This shape is cut into equal parts. What are the parts called?

7. 4

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

How many sides does this shape have?

8. cylinder

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

Name this solid shape.

9. 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?

10. 8

1. Pears: 10. Peaches: 2.
2. 10 − 2 = 8

How many more Pears than Peaches?

11. 4

1. Wed: 9. Mon: 5.
2. 9 − 5 = 4

How many more Wed than Mon?

12. 4

1. Oats: 9. Barley: 5.
2. 9 − 5 = 4

How many more Oats than Barley?

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

Unit 9 Check: Review

School Launch · Grade 1 Math · Unit 9: Review · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 12

Read each problem aloud. Your child may use counters and fingers. Write or circle the answer; check it together with the key.

1. 17 − 4 = ___ MEDIUM

2. Find the missing number: ___ + 2 = 5 HARD

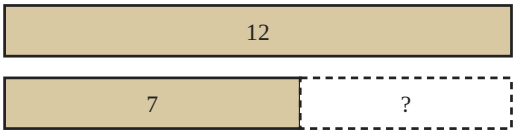
3. 18 − 7 = ___ MEDIUM

4. Write <, > or = : 105 ___ 84 MEDIUM

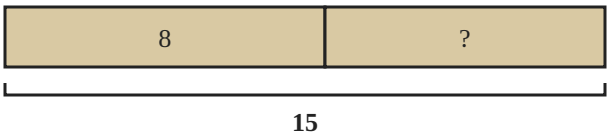
5. What number is ten less than 51? HARD

6. Write <, > or = : 45 ___ 45 MEDIUM

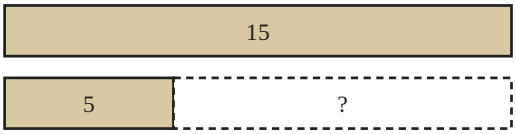
7. Jacob has 12 goats and Laban has 7 goats. How many more goats does Jacob have? HARD



8. A wagon carried 15 sacks of flour. 8 sacks were left at the mill. How many sacks are still on the wagon? HARD



9. The oak is 15 feet tall. The apple tree is 5 feet tall. How much taller is the oak? HARD



10. 10 − 5 = ___ MEDIUM

11. 9 tens and 4 ones make what number? MEDIUM

12. What time does the clock show? MEDIUM



Answer Key · Unit 9 Check: Review

School Launch · Grade 1 Math · Unit 9: Review · Worksheet A · for the parent

Key

1. 13

1. 17 − 4 = 13
2. Check: 13 + 4 = 17

17 − 4 = ___

2. 3

1. Think: what goes with 2 to make 5?
2. 5 − 2 = 3
3. Check: 3 + 2 = 5

Find the missing number: ___ + 2 = 5

3. 11

1. 18 − 7 = 11
2. Check: 11 + 7 = 18

18 − 7 = ___

4. 105 > 84

1. 105 has 3 digits and 84 has 2. More digits means greater.
2. 105 > 84

Write <, > or = : 105 ___ 84

5. 41

1. 51 − 10 = 41

What number is ten less than 51?

6. 45 = 45

1. Every digit is the same, so the numbers are equal.
2. 45 = 45

Write <, > or = : 45 ___ 45

7. 5 goats. Jacob has 5 more goats.

1. Unknown: the difference.
2. Bar model: a long bar of 12 and a short bar of 7; the difference is unknown.
3. Equation: 12 − 7 = ?
4. 12 − 7 = 5
5. Answer: Jacob has 5 more goats.

Jacob has 12 goats and Laban has 7 goats. How many more goats does Jacob have?

8. 7 sacks. 7 sacks are still on the wagon.

1. Unknown: how many are left.
2. Bar model: the whole is 15; one part is 8; the other part is unknown.
3. Equation: 15 − 8 = ?
4. 15 − 8 = 7
5. Answer: 7 sacks are still on the wagon.

A wagon carried 15 sacks of flour. 8 sacks were left at the mill. How many sacks are still on the wagon?

9. 10 feet. The oak is 10 feet taller.

1. Unknown: the difference.
2. Bar model: a long bar of 15 and a short bar of 5; the difference is unknown.
3. Equation: 15 − 5 = ?
4. 15 − 5 = 10
5. Answer: The oak is 10 feet taller.

The oak is 15 feet tall. The apple tree is 5 feet tall. How much taller is the oak?

10. 5

1. 10 − 5 = 5
2. Check: 5 + 5 = 10

10 − 5 = ___

11. 94

1. 9 tens = 90
2. 90 + 4 = 94

9 tens and 4 ones make what number?

12. 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?

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 1 Math · Units 1–8 · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 24

Read each problem aloud. Your child may use counters and fingers. Write or circle the answer; check it together with the key.

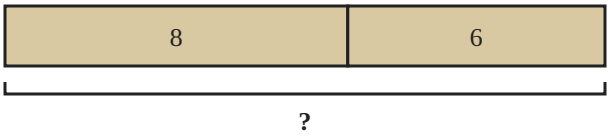
1. Fill in the missing number: 9, ___, 11, 12, 13 HARD

2. Find the missing number: ___ + 0 = 3 HARD

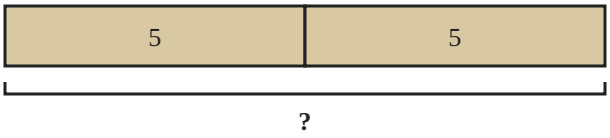
3. Write in order from least to greatest: 19, 8, 9, 16 HARD

4. Fill in the missing number: 1, 3, ___, 7, 9 HARD

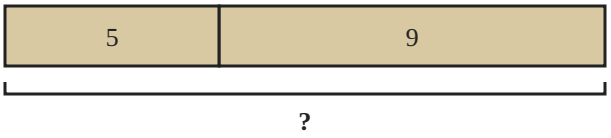
5. The baker made 8 rolls and 6 loaves. How many pieces of bread did she make? HARD



6. Farmer Eli gathered 5 eggs in the morning and 5 eggs in the evening. How many eggs did he gather in all? HARD

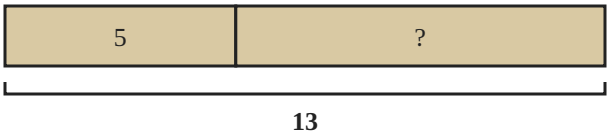


7. A Roman legion marched 5 miles one week and 9 miles the next. How far did it march? HARD

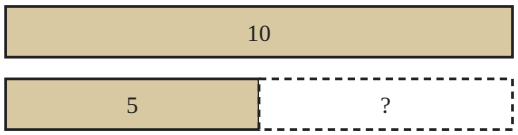


8. 3 + 3 + 2 = ___ HARD

9. A shepherd had 13 sheep. 5 wandered off. How many sheep are still with him? HARD



10. Sarah sewed 10 stitches and Anna sewed 5. How many fewer stitches did Anna sew? HARD



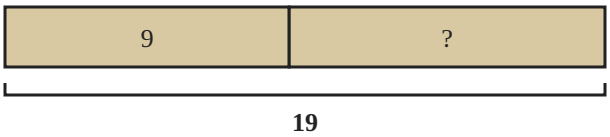
11. 14 − 3 = ___ HARD

12. Find the missing number: 17 − ___ = 9 HARD

13. Farmer Eli gathered 9 eggs in the morning and 3 eggs in the evening. How many eggs did he gather in all? HARD



14. The orchard had 19 apples on a tree. The children picked 9. How many apples are left on the tree? HARD



15. Find the missing number: 8 + ___ = 12 HARD

16. Peter caught 5 fish and Andrew caught 8. They gave 4 to a widow. How many fish do they have left? HARD

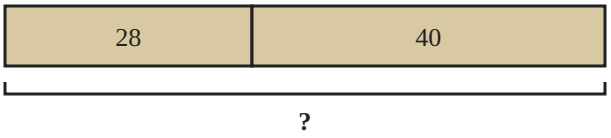
17. 4 tens and 9 ones make what number? HARD

18. Write the number in digits: *twenty-two* HARD

19. Write the number in digits: *one hundred two* HARD

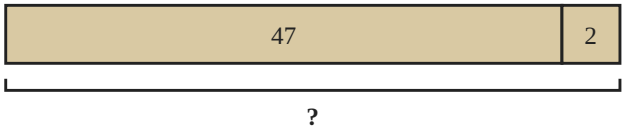
20. Fill in the missing number: 24, 34, 44, 54, ___ HARD

21. A carpenter cut 28 boards on Monday and 40 boards on Tuesday. How many boards did he cut? HARD



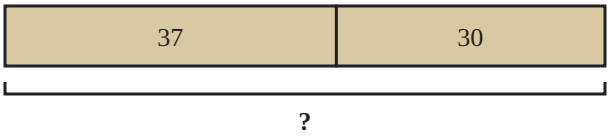
22. There are 47 ducks on the pond and 2 more fly in. How many ducks are on the pond now?

HARD

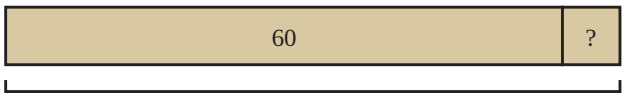


23. A Roman legion marched 37 miles one week and 30 miles the next. How far did it march?

HARD



24. Gideon had 62 men. He sent 60 home. How many men stayed? HARD



Answer Key · End-of-Year Check

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

Key

1. 10

1. The numbers go up by 1 each time.
2. 9 + 1 = 10

Fill in the missing number: 9, ___, 11, 12, 13

2. 3

1. Think: what goes with 0 to make 3?
2. 3 − 0 = 3
3. Check: 3 + 0 = 3

Find the missing number: ___ + 0 = 3

3. 8, 9, 16, 19

1. Compare the biggest place first, then the next place.
2. 8 < 9 < 16 < 19

Write in order from least to greatest: 19, 8, 9, 16

4. 5

1. The numbers go up by 2 each time.
2. 3 + 2 = 5

Fill in the missing number: 1, 3, ___, 7, 9

5. 14 pieces. She made 14 pieces of bread.

1. Unknown: the total.
2. Bar model: two parts, 8 and 6; the whole is unknown.
3. Equation: 8 + 6 = ?
4. 8 + 6 = 14
5. Answer: She made 14 pieces of bread.

The baker made 8 rolls and 6 loaves. How many pieces of bread did she make?

6. 10 eggs. Eli gathered 10 eggs in all.

1. Unknown: the total.
2. Bar model: two parts, 5 and 5; the whole is unknown.
3. Equation: 5 + 5 = ?
4. 5 + 5 = 10
5. Answer: Eli gathered 10 eggs in all.

Farmer Eli gathered 5 eggs in the morning and 5 eggs in the evening. How many eggs did he gather in all?

7. 14 miles. It marched 14 miles.

1. Unknown: the total.
2. Bar model: two parts, 5 and 9; the whole is unknown.
3. Equation: 5 + 9 = ?
4. 5 + 9 = 14
5. Answer: It marched 14 miles.

A Roman legion marched 5 miles one week and 9 miles the next. How far did it march?

8. 8

1. 3 + 3 = 6
2. 6 + 2 = 8

3 + 3 + 2 = ___

9. 8 sheep. 8 sheep are still with him.

1. Unknown: how many are left.
2. Bar model: the whole is 13; one part is 5; the other part is unknown.
3. Equation: 13 − 5 = ?
4. 13 − 5 = 8
5. Answer: 8 sheep are still with him.

A shepherd had 13 sheep. 5 wandered off. How many sheep are still with him?

10. 5 stitches. Anna sewed 5 fewer stitches.

1. Unknown: the difference.
2. Bar model: a long bar of 10 and a short bar of 5; the difference is unknown.
3. Equation: 10 − 5 = ?
4. 10 − 5 = 5
5. Answer: Anna sewed 5 fewer stitches.

Sarah sewed 10 stitches and Anna sewed 5. How many fewer stitches did Anna sew?

11. 11

1. Start at 14 and count back 3: 13, 12, 11.
2. 14 − 3 = 11

14 − 3 = ___

12. 8

1. Think addition: 9 + ___ = 17
2. 17 − 9 = 8

Find the missing number: 17 − ___ = 9

13. 12 eggs. Eli gathered 12 eggs in all.

1. Unknown: the total.
2. Bar model: two parts, 9 and 3; the whole is unknown.
3. Equation: 9 + 3 = ?
4. 9 + 3 = 12
5. Answer: Eli gathered 12 eggs in all.

Farmer Eli gathered 9 eggs in the morning and 3 eggs in the evening. How many eggs did he gather in all?

14. 10 apples. 10 apples are left.

1. Unknown: how many are left.
2. Bar model: the whole is 19; one part is 9; the other part is unknown.
3. Equation: 19 − 9 = ?
4. 19 − 9 = 10
5. Answer: 10 apples are left.

The orchard had 19 apples on a tree. The children picked 9. How many apples are left on the tree?

15. 4

1. Think: what goes with 8 to make 12?
2. 12 − 8 = 4
3. Check: 8 + 4 = 12

Find the missing number: 8 + ___ = 12

16. 9 fish. They have 9 fish left.

1. Unknown: how many at the end.
2. Step 1: 5 + 8 = 13
3. Step 2: 13 − 4 = 9
4. Answer: They have 9 fish left.

Peter caught 5 fish and Andrew caught 8. They gave 4 to a widow. How many fish do they have left?

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

17. 49

1. 4 tens = 40
2. 40 + 9 = 49

4 tens and 9 ones make what number?

---

18. 22

1. Read it in groups: twenty-two → 22

Write the number in digits: *twenty-two*

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19. 102

1. Read it in groups: one hundred two → 102

Write the number in digits: *one hundred two*

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20. 64

1. The numbers go up by 10 each time.
2. 54 + 10 = 64

Fill in the missing number: 24, 34, 44, 54, ___

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21. 68 boards. He cut 68 boards.

1. Unknown: the total.
2. Bar model: two parts, 28 and 40; the whole is unknown.
3. Equation: 28 + 40 = ?
4. 28 + 40 = 68
5. Answer: He cut 68 boards.

A carpenter cut 28 boards on Monday and 40 boards on Tuesday. How many boards did he cut?

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22. 49 ducks. There are 49 ducks now.

1. Unknown: the total.
2. Bar model: two parts, 47 and 2; the whole is unknown.
3. Equation: 47 + 2 = ?
4. 47 + 2 = 49
5. Answer: There are 49 ducks now.

There are 47 ducks on the pond and 2 more fly in. How many ducks are on the pond now?

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23. 67 miles. It marched 67 miles.

1. Unknown: the total.
2. Bar model: two parts, 37 and 30; the whole is unknown.
3. Equation: 37 + 30 = ?
4. 37 + 30 = 67
5. Answer: It marched 67 miles.

A Roman legion marched 37 miles one week and 30 miles the next. How far did it march?

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24. 2 men. 2 men stayed.

1. Unknown: how many are left.
2. Bar model: the whole is 62; one part is 60; the other part is unknown.
3. Equation: 62 − 60 = ?
4. 62 − 60 = 2
5. Answer: 2 men stayed.

Gideon had 62 men. He sent 60 home. How many men stayed?
