

Math Practice Library

Grades 1-5 · Three levels of every skill · Answer keys included

149

SKILLS

447

PRINTABLE PACKS

1341

WORKSHEETS

19,183

PROBLEMS

Every skill comes at three levels

SUPPORT

Smaller numbers, no regrouping - for students who need support

ON LEVEL

The grade-level expectation

CHALLENGE

Extended range and multi-step reasoning - for early finishers

How to use this file

1. Find the standard you are teaching in the contents pages that follow.
2. Open that skill's folder and pick the level each group needs.
3. Print the worksheet pages; the answer key is at the back of every pack.

Practice aligned to these standards

Each pack practices the part of its Common Core code named in its title; no single pack claims the whole standard. MP.3 = error analysis.

GRADE 1 • 24 skills • 20 standards

1.G.A.1, 1.G.A.3, 1.MD.A.1, 1.MD.A.2, 1.MD.B.3, 1.MD.C.4, 1.NBT.A.1, 1.NBT.B.2, 1.NBT.B.3
1.NBT.C.4, 1.NBT.C.5, 1.NBT.C.6, 1.OA.A.1, 1.OA.A.2, 1.OA.B.3, 1.OA.B.4, 1.OA.C.5, 1.OA.C.6
1.OA.D.7, 1.OA.D.8, Mathematical Practice MP.3 (error analysis), Placement screener
Mixed review

GRADE 2 • 28 skills • 23 standards

2.G.A.1, 2.G.A.2, 2.G.A.3, 2.MD.A.1, 2.MD.A.3, 2.MD.B.5, 2.MD.B.6, 2.MD.C.7, 2.MD.C.8, 2.MD.D.9
2.MD.D.10, 2.NBT.A.1, 2.NBT.A.2, 2.NBT.A.3, 2.NBT.A.4, 2.NBT.B.5, 2.NBT.B.6, 2.NBT.B.7
2.NBT.B.8, 2.OA.A.1, 2.OA.B.2, 2.OA.C.3, 2.OA.C.4, Mathematical Practice MP.3 (error analysis)
Placement screener, Mixed review

GRADE 3 • 31 skills • 24 standards

3.G.A.1, 3.G.A.2, 3.MD.A.1, 3.MD.A.2, 3.MD.B.3, 3.MD.B.4, 3.MD.C.6, 3.MD.C.7, 3.MD.D.8
3.NBT.A.1, 3.NBT.A.2, 3.NBT.A.3, 3.NF.A.1, 3.NF.A.2, 3.NF.A.3, 3.OA.A.1, 3.OA.A.2, 3.OA.A.3
3.OA.A.4, 3.OA.B.5, 3.OA.B.6, 3.OA.C.7, 3.OA.D.8, 3.OA.D.9
Mathematical Practice MP.3 (error analysis), Placement screener, Mixed review

GRADE 4 • 35 skills • 28 standards

4.G.A.1, 4.G.A.2, 4.G.A.3, 4.MD.A.1, 4.MD.A.2, 4.MD.A.3, 4.MD.B.4, 4.MD.C.5, 4.MD.C.6, 4.MD.C.7
4.NBT.A.1, 4.NBT.A.2, 4.NBT.A.3, 4.NBT.B.4, 4.NBT.B.5, 4.NBT.B.6, 4.NF.A.1, 4.NF.A.2, 4.NF.B.3
4.NF.B.4, 4.NF.C.5, 4.NF.C.6, 4.NF.C.7, 4.OA.A.1, 4.OA.A.2, 4.OA.A.3, 4.OA.B.4, 4.OA.C.5
Mathematical Practice MP.3 (error analysis), Placement screener, Mixed review

GRADE 5 • 31 skills • 24 standards

5.G.A.1, 5.G.A.2, 5.G.B.4, 5.MD.A.1, 5.MD.B.2, 5.MD.C.4, 5.MD.C.5, 5.NBT.A.1, 5.NBT.A.2
5.NBT.A.3, 5.NBT.A.4, 5.NBT.B.5, 5.NBT.B.6, 5.NBT.B.7, 5.NF.A.1, 5.NF.A.2, 5.NF.B.3, 5.NF.B.4
5.NF.B.5, 5.NF.B.6, 5.NF.B.7, 5.OA.A.1, 5.OA.A.2, 5.OA.B.3
Mathematical Practice MP.3 (error analysis), Placement screener, Mixed review

Addition within 100

Grade 2 | 2.NBT.B.5 | Support

Page 1 of 6

Name _____

Date _____

EXAMPLE $42 + 3 = 45$

Line up the ones. Add the ones, then the tens.

1.

$$\begin{array}{r} 11 \\ + 33 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 23 \\ + 22 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 27 \\ + 11 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 12 \\ + 30 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 16 \\ + 3 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 24 \\ + 12 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 25 \\ + 1 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 22 \\ + 13 \\ \hline \end{array}$$

10.

$$\begin{array}{r} 30 \\ + 4 \\ \hline \end{array}$$

11.

$$\begin{array}{r} 4 \\ + 31 \\ \hline \end{array}$$

12.

$$\begin{array}{r} 16 \\ + 12 \\ \hline \end{array}$$

Addition within 100

Grade 2 | 2.NBT.B.5 | On Level

Page 1 of 6

Name _____

Date _____

1.

$$\begin{array}{r} 4 \\ + 41 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 69 \\ + 22 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 85 \\ + 2 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 90 \\ + 1 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 10 \\ + 42 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 41 \\ + 27 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 23 \\ + 24 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 51 \\ + 8 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 91 \\ + 5 \\ \hline \end{array}$$

10.

$$\begin{array}{r} 77 \\ + 10 \\ \hline \end{array}$$

11.

$$\begin{array}{r} 55 \\ + 7 \\ \hline \end{array}$$

12.

$$\begin{array}{r} 76 \\ + 22 \\ \hline \end{array}$$

13.

$$\begin{array}{r} 86 \\ + 13 \\ \hline \end{array}$$

14.

$$\begin{array}{r} 50 \\ + 39 \\ \hline \end{array}$$

15.

$$\begin{array}{r} 78 \\ + 2 \\ \hline \end{array}$$

16.

$$\begin{array}{r} 32 \\ + 64 \\ \hline \end{array}$$

17.

$$\begin{array}{r} 73 \\ + 2 \\ \hline \end{array}$$

18.

$$\begin{array}{r} 32 \\ + 65 \\ \hline \end{array}$$

19.

$$\begin{array}{r} 29 \\ + 47 \\ \hline \end{array}$$

20.

$$\begin{array}{r} 62 \\ + 27 \\ \hline \end{array}$$

21.

$$\begin{array}{r} 85 \\ + 9 \\ \hline \end{array}$$

22.

$$\begin{array}{r} 41 \\ + 38 \\ \hline \end{array}$$

23.

$$\begin{array}{r} 17 \\ + 32 \\ \hline \end{array}$$

24.

$$\begin{array}{r} 61 \\ + 22 \\ \hline \end{array}$$

Addition within 100

Grade 2 | 2.NBT.B.5 | Challenge

Page 1 of 6

Name _____

Date _____

SHOW YOUR THINKING Pick one problem. Show a second way to solve it and say which is faster.

1. $32 + \underline{\quad} = 100$

2.
$$\begin{array}{r} 79 \\ + 13 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 72 \\ + 9 \\ \hline \end{array}$$

4. $44 + \underline{\quad} = 80$

5.
$$\begin{array}{r} 56 \\ + 9 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 28 \\ + 26 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 53 \\ + 29 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 39 \\ + 34 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 89 \\ + 4 \\ \hline \end{array}$$

10. $62 + \underline{\quad} = 100$

11.
$$\begin{array}{r} 9 \\ + 77 \\ \hline \end{array}$$

12. $31 + \underline{\quad} = 100$

13. $\underline{\quad} + 9 = 84$

14.
$$\begin{array}{r} 49 \\ + 14 \\ \hline \end{array}$$

15. $\underline{\quad} + 7 = 86$

16. $45 + \underline{\quad} = 50$

17.
$$\begin{array}{r} 45 \\ + 36 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 63 \\ + 17 \\ \hline \end{array}$$

19. $\underline{\quad} + 38 = 51$

20. $66 + \underline{\quad} = 83$

21. $6 + \underline{\quad} = 95$

22.
$$\begin{array}{r} 19 \\ + 62 \\ \hline \end{array}$$

23.
$$\begin{array}{r} 37 \\ + 13 \\ \hline \end{array}$$

24.
$$\begin{array}{r} 76 \\ + 8 \\ \hline \end{array}$$

Addition within 100 - ANSWER KEY

49. 82	50. 60	51. 86	52. 1	53. 6
54. 95	55. 82	56. 9	57. 58	58. 73
59. 43	60. 61	61. 96	62. 74	63. 33
64. 5	65. 13	66. 58	67. 70	68. 48
69. 46	70. 93	71. 87	72. 8	

Show your thinking - scoring

Full credit: a correct method, model or explanation that would let another student reach the answer.

Partial credit: correct answer with an incomplete or unclear explanation.

Telling time

Grade 2 | 2.MD.C.7 | On Level

Page 1 of 6

Name _____

Date _____

Write each time in hours and minutes, like 3:15.

1.



___ : ___

2.



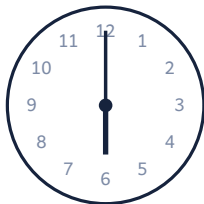
___ : ___

3.



___ : ___

4.



___ : ___

5.



___ : ___

6.



___ : ___

7.



___ : ___

8.



___ : ___

9.



___ : ___

10.



___ : ___

11.



___ : ___

12.



___ : ___

Elapsed time

Grade 3 | 3.MD.A.1 | On Level

Page 1 of 6

Name _____

Date _____

1. A baking session starts at 5:00 and ends at 5:35. How many minutes long is it?

Answer: _____

2. A library visit starts at 2:15 and ends at 2:40. How many minutes long is it?

Answer: _____

3. A bus ride starts at 1:10 and lasts 50 minutes. What time does it end?

Answer: _____

4. A movie starts at 11:55 and lasts 25 minutes. What time does it end?

Answer: _____

5. A baking session starts at 11:25 and lasts 50 minutes. What time does it end?

Answer: _____

6. A baking session starts at 3:35 and lasts 35 minutes. What time does it end?

Answer: _____

7. A soccer practice starts at 6:50 and lasts 35 minutes. What time does it end?

Answer: _____

8. A music lesson starts at 8:20 and ends at 9:05. How many minutes long is it?

Answer: _____

Naming fractions

Grade 3 | 3.NF.A.1 | On Level

Page 1 of 6

Name _____

Date _____

Write the fraction of each shape that is shaded. Use the number of equal parts as the denominator.

1.



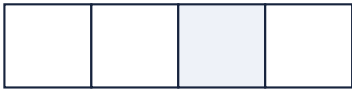
Fraction: _____

2.



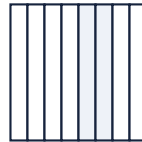
Fraction: _____

3.



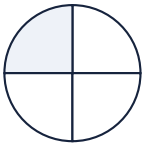
Fraction: _____

4.



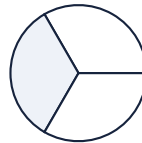
Fraction: _____

5.



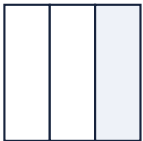
Fraction: _____

6.



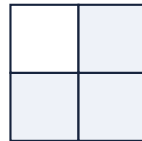
Fraction: _____

7.



Fraction: _____

8.



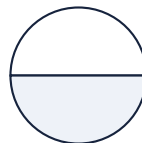
Fraction: _____

9.



Fraction: _____

10.



Fraction: _____

Acute, right and obtuse

Grade 4 | 4.G.A.1 | On Level

Page 1 of 4

Name _____

Date _____

Write acute, right or obtuse under each angle.

1.



Angle: _____

2.



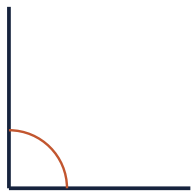
Angle: _____

3.



Angle: _____

4.



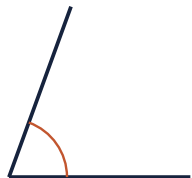
Angle: _____

5.



Angle: _____

6.



Angle: _____

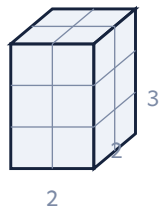
Volume by counting cubes

Name _____

Date _____

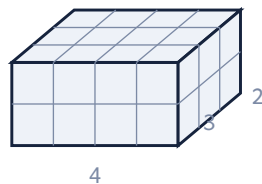
Count the unit cubes in each prism. Each cube is 1 cubic unit.

1.



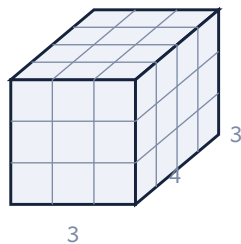
Volume: _____

2.



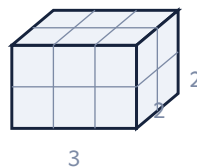
Volume: _____

3.



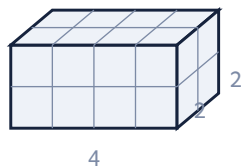
Volume: _____

4.



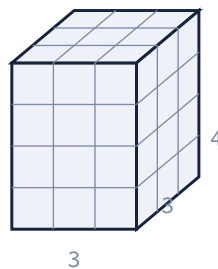
Volume: _____

5.



Volume: _____

6.



Volume: _____

Who is correct?

Grade 3 | MP.3 | Challenge

Page 1 of 6

Name _____

Date _____

1. Devin worked out 7×5 like this: skip counted by 7: 7, 14, 21, 28, 35, 42 - so 42. Explain Devin's mistake, then show a correct method.

Answer: _____

2. Omar worked out 7×3 like this: skip counted by 7: 7, 14, 21, 28 - so 28. Explain Omar's mistake, then show a correct method.

Answer: _____

3. Iris worked out 6×5 like this: $6 + 5 = 11$. Explain Iris's mistake, then show a correct method.

Answer: _____

4. Rosa worked out 9×3 like this: skip counted by 9: 9, 18, 27, 36 - so 36. Explain Rosa's mistake, then show a correct method.

Answer: _____

5. Felix worked out 6×8 like this: $6 + 8 = 14$. Explain Felix's mistake, then show a correct method.

Answer: _____

6. Devin worked out 4×8 like this: skip counted by 4: 4, 8, 12, 16, 20, 24, 28, 32, 36 - so 36. Explain Devin's mistake, then show a correct method.

Answer: _____

7. Felix worked out 3×6 like this: skip counted by 3: 3, 6, 9, 12, 15, 18, 21 - so 21. Explain Felix's mistake, then show a correct method.

Answer: _____

8. Felix worked out 5×7 like this: skip counted by 5: 5, 10, 15, 20, 25, 30, 35, 40 - so 40. Explain Felix's mistake, then show a correct method.

Answer: _____

Who is correct? – ANSWER KEY

Grade 3 | MP.3 | Challenge

Page 6 of 6

17. skip-counted 10 groups skip-4 counted 16 groups skip-3 counted 5 groups combined method of 44 groups, 12, 19, 10, 16, 13, 20, 18, 13, 12
22. skip-counted 7 groups skip-4 counted 4 groups skip-7 method of 13 groups combined method of 17 groups, 14, 12, 13, 20, 25, 12, 7, 12, 14, 21, 9

Grade 3 mixed review

Grade 3 | Mixed | On Level

Page 1 of 14

Name _____

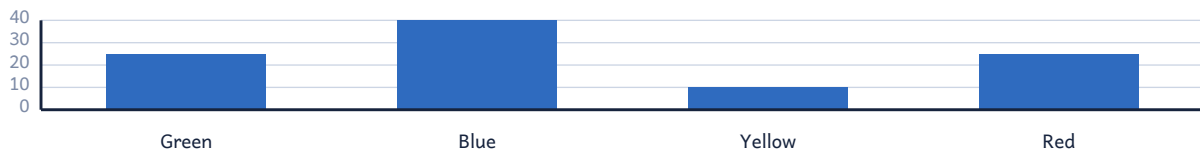
Date _____

1. Pencil lengths measured in inches: $1\frac{1}{2}$, 3, $2\frac{1}{2}$, 1, 3, 2, 2, 3, $2\frac{1}{2}$, 3, 2. Mark each one on the line plot. How many pencils measured 2?



Answer: _____

2. How many more votes did Blue get than Yellow? (Each line is 5.)



Answer: _____

3. How many more votes did Purple get than Red? (Each line is 5.)



Answer: _____

4. Pencil lengths measured in inches: 1, $2\frac{1}{2}$, $1\frac{1}{2}$, $2\frac{1}{2}$, 1, $2\frac{1}{2}$, 2, $1\frac{1}{2}$, 2, $1\frac{1}{2}$, $1\frac{1}{2}$. Mark each one on the line plot. How many pencils measured 2?



Answer: _____

Name _____

Date _____

Answer every question. Your teacher will use the placement guide at the back.

1. Pencil lengths measured in inches: 1 1/2, 3, 2 1/2, 1, 3, 2, 2, 3, 2 1/2, 3, 2. Mark each one on the line plot. How many pencils measured 2?



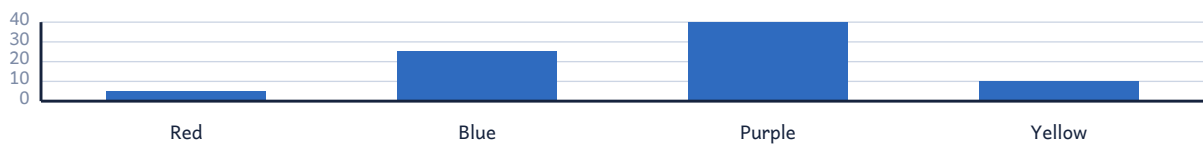
Answer: _____

2. Pencil lengths measured in inches: 1, 2 1/2, 1 1/2, 2 1/2, 1, 2 1/2, 2, 1 1/2, 2, 1 1/2, 1 1/2. Mark each one on the line plot. How many pencils measured 2?



Answer: _____

3. How many more votes did Purple get than Red? (Each line is 5.)



Answer: _____

4. How many more votes did Blue get than Yellow? (Each line is 5.)



Answer: _____

40	Divide by thinking multiply	3.OA.B.6	Divide by thinking multiply
41	Whole numbers as fractions	3.NF.A.3	Whole numbers as fractions
42	Whole numbers as fractions	3.NF.A.3	Whole numbers as fractions
43	Addition within 1000	3.NBT.A.2	Addition within 1000
44	Addition within 1000	3.NBT.A.2	Addition within 1000
45	Subtraction within 1000	3.NBT.A.2	Subtraction within 1000
46	Subtraction within 1000	3.NBT.A.2	Subtraction within 1000
47	Comparing fractions	3.NF.A.3	Comparing fractions
48	Comparing fractions	3.NF.A.3	Comparing fractions
49	Multiplication facts	3.OA.C.7	Multiplication facts
50	Multiplication facts	3.OA.C.7	Multiplication facts
51	Division facts	3.OA.C.7	Division facts
52	Division facts	3.OA.C.7	Division facts
53	Multiply by multiples of ten	3.NBT.A.3	Multiply by multiples of ten
54	Multiply by multiples of ten	3.NBT.A.3	Multiply by multiples of ten
55	Unknown factors	3.OA.A.4	Unknown factors
56	Unknown factors	3.OA.A.4	Unknown factors