

Free Place Value Cards

For sorting, matching, and other hands-on math activities!

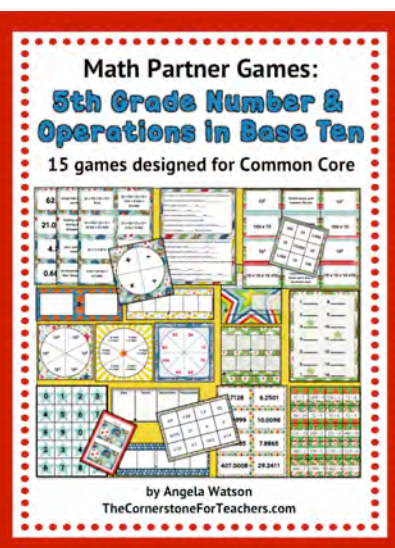
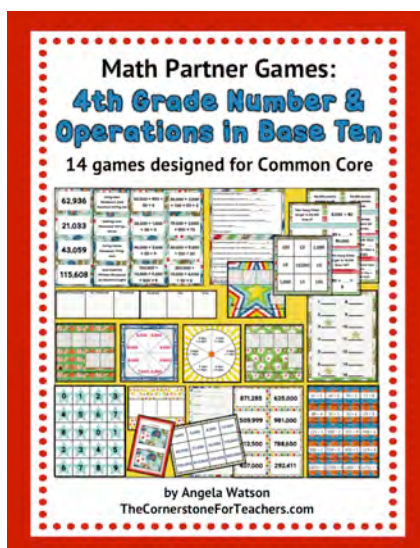
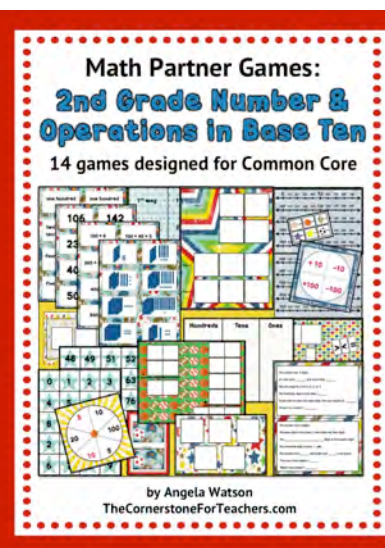
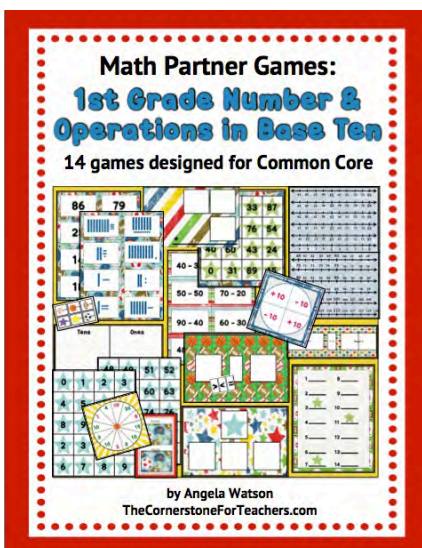
16	326	1,642	62,936	718,436	0.71	8.296
43	117	4,031	21,033	407,325	7.325	0.504
80	921	8,170	43,059	117,322	1.322	0.23
66	850	12,819	115,608	920,008	92.008	41.2



by Angela Watson
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How to Use the Place Value Cards

You can use the cards in this PDF for matching and sorting games of any type to reinforce different ways of representing numbers. There are 2, 3, 4, 5, and 6 digit numbers provided as well as decimals to the thousandths, so you can print cards that are appropriate for a wide range of student abilities. There are also blank cards so that you or your students can create cards using any numbers you choose. In the following products, you'll find specific game instructions as well as additional cards, game boards, and other fun materials for partner games:



The games are \$1 or less each and are sold as a bundle so you have everything you need for teaching the Common Core standards for number and operations in base ten! The games are perfect for two player math stations, math centers, math tubs, etc. I recommend that you have all students play the same game at the same time for about 10 minutes per day in a math partner game routine.

Why Math Partner Games?

These are the three main benefits to having all kids play the same math partner game at the same time: 1) You can conduct mini-lessons and strategy discussions around shared experiences before and after game play, 2) You can focus on facilitating critical thinking and observing students' problem solving attempts during game play, and 3) Students play the same game for a week, so you have lots of targeted opportunities for reinforcing higher-level thinking skills, identifying and addressing misconceptions, and scaffolding student learning. Click the product for your grade level on the previous page to download the free preview to read how you can get started with math partner games.

There are so many games included in these products that you can play some during math partner game routines, use some as small group lessons or whole class lesson activities, place some in your math centers, and even send some home for students to play with their families! The game cards and resources can double as student manipulatives during math lessons. Each and every game features:

- Integration of higher-level thinking & critical thinking skills (not just rote practice)
- Hands-on activities in which kids actively construct knowledge: no worksheets!
- Options for open-ended game play so students are not "finished" until time is up
- Challenge activities to extend game play and/or differentiate it
- "Math Talk" questions/prompts to encourage students to analyze strategies and reflect orally or in writing about what they're learning

These two player math games were created for (not retro-fitted to) the increased rigor of the CCSS, so they will be challenging for most students. The games are designed to help you model and reinforce the math practices and core content skills that students will need when solving complex, multi-step word problems. Here's what you'll get in the product download:

* 20 pages of info and forms that contain everything you need to get started with math partner games. There are blank partner game lists, tips (with photos!) for how to create/ store/ organize/ distribute/ collect the games, and lots of ideas for how the games can be used for skill-based mini lessons and math journal reflections.

* 10-15 pages of game instructions (depending on the grade level): there's one page for each game, featuring the materials needed, directions for game play, a Challenge activity, Math Talk questions/prompts, the CCSS alignment, and student-friendly "I Can" statements.

* 30 (or more) pages of sports all-stars game boards and mats, game cards, spinners, and other colorful and fun materials for game play. Most of the materials are open-ended and can be used in lots of different ways so you have fewer items to print and create.

16

52

43

97

80

32

66

74

$$10 + 6$$

$$50 + 2$$

$$40 + 3$$

$$90 + 7$$

$$80 + 0$$

$$30 + 2$$

$$60 + 6$$

$$70 + 4$$

sixteen

fifty-two

forty-three

ninety-seven

eighty

thirty-two

sixty-six

seventy-four

30

70

33

57

45

34

11

21

$$30 + 0$$

$$70 + 0$$

$$30 + 3$$

$$50 + 7$$

$$40 + 5$$

$$30 + 4$$

$$10 + 1$$

$$20 + 1$$

thirty

seventy

thirty-three

fifty-seven

forty-five

thirty-four

eleven

twenty-one

86

79

25

91

14

22

18

63

$$80 + 6$$

$$70 + 9$$

$$20 + 5$$

$$90 + 1$$

$$10 + 4$$

$$20 + 2$$

$$10 + 8$$

$$60 + 3$$

eighty-six

seventy-nine

twenty-five

ninety-one

fourteen

twenty-two

eighteen

sixty-three

106

842

233

357

405

391

508

216

$$100 + 6$$

$$800 + 40 + 2$$

$$200 + 30 + 3$$

$$300 + 50 + 7$$

$$400 + 5$$

$$300 + 90 + 1$$

$$500 + 8$$

$$200 + 10 + 6$$

**one hundred
six**

**eight hundred
forty-two**

**two hundred
thirty-three**

**three hundred
fifty-seven**

**four hundred
five**

**three hundred
ninety-one**

**five hundred
eight**

**two hundred
sixteen**

326

479

117

563

921

744

850

605

$$300 + 20 + 6$$

$$400 + 70 + 9$$

$$100 + 10 + 7$$

$$500 + 60 + 3$$

$$900 + 20 + 1$$

$$700 + 40 + 4$$

$$800 + 50 + 0$$

$$600 + 5$$

**three hundred
twenty-six**

**four hundred
seventy-nine**

**one hundred
seventeen**

**five hundred
sixty-three**

**nine hundred
twenty-one**

**seven hundred
forty-four**

**eight hundred
fifty**

**six hundred
five**

1,642

5,228

4,031

9,702

8,170

3,245

12,819

37,488

$$1,000 + 600 + 40 + 2$$

$$5,000 + 200 + 20 + 8$$

$$4,000 + 30 + 1$$

$$9,000 + 700 + 2$$

$$8,000 + 100 + 70$$

$$3,000 + 200 + 40 + 5$$

$$10,000 + 2,000 + 800 + 10 + 9$$

$$30,000 + 7,000 + 400 + 80 + 8$$

**one thousand, six
hundred forty-two**

**five thousand, two
hundred twenty-
eight**

**four thousand,
thirty-one**

**nine thousand,
seven hundred two**

**eight thousand,
one hundred
seventy**

**three thousand,
two hundred
forty-five**

**twelve thousand,
eight hundred
nineteen**

**thirty-seven
thousand, four
hundred eighty
eight**

62,936

33,153

21,033

72,570

43,059

39,120

115,608

216,026

$$60,000 + 2,000 \\ + 900 + 30 + 6$$

$$30,000 + 3,000 \\ + 100 + 50 + 3$$

$$20,000 + 1,000 \\ + 30 + 3$$

$$70,000 + 2,000 \\ + 500 + 70$$

$$40,000 + 3,000 \\ + 50 + 9$$

$$30,000 + 9,000 \\ + 100 + 20$$

$$100,000 + \\ 10,000 + 5,000 \\ + 600 + 8$$

$$200,000 + \\ 10,000 + 6,000 \\ + 20 + 6$$

**sixty-two
thousand, nine
hundred thirty-six**

**thirty-three
thousand, one
hundred fifty-
three**

**twenty-one
thousand, thirty-
three**

**seventy-two
thousand, five
hundred seventy**

**forty-three
thousand, fifty-
nine**

**thirty-nine
thousand, one
hundred twenty**

**one hundred
fifteen thousand,
six hundred eight**

**two hundred
sixteen thousand,
twenty-six**

718,436

829,650

407,325

629,500

117,322

515,230

920,008

300,025

$$\begin{aligned} &700,000 + \\ &10,000 + 8,000 \\ &+ 400 + 30 + 6 \end{aligned}$$

$$\begin{aligned} &800,000 + \\ &20,000 + 9,000 \\ &+ 600 + 50 \end{aligned}$$

$$\begin{aligned} &400,000 + \\ &7,000 + 300 + \\ &20 + 5 \end{aligned}$$

$$\begin{aligned} &600,000 + \\ &20,000 + 9,000 \\ &+ 500 \end{aligned}$$

$$\begin{aligned} &100,000 + \\ &10,000 + 7,000 \\ &+ 300 + 20 + 2 \end{aligned}$$

$$\begin{aligned} &500,000 + \\ &10,000 + 5,000 \\ &+ 200 + 30 \end{aligned}$$

$$\begin{aligned} &900,000 + \\ &20,000 + 8 \end{aligned}$$

$$\begin{aligned} &300,000 + 20 \\ &+ 5 \end{aligned}$$

**seven hundred
eighteen thousand,
four hundred
thirty-six**

**eight hundred
twenty-nine
thousand, six
hundred fifty**

**four hundred seven
thousand, three
hundred twenty-
five**

**six hundred
twenty-nine
thousand, five
hundred**

**one hundred
seventeen thousand,
three hundred
twenty-two**

**five hundred
fifteen thousand,
two hundred thirty**

**nine hundred
twenty thousand
and eight**

**three hundred
thousand twenty-
five**

62.9

33.153

21.033

72.57

4.3

0.39

0.684

2.16

$$(6 \times 10) + (2 \times 1) + 9/10$$

$$(3 \times 10) + (3 \times 1) + 1/10 + 5/100 + 3/1,000$$

$$(2 \times 10) + (2 \times 1) + 3/100 + 3/1,000$$

$$(7 \times 10) + (2 \times 1) + 5/10 + 7/100$$

$$(4 \times 1) + 3/10$$

$$3/10 + 9/100$$

$$6/10 + 8/100 + 4/1,000$$

$$(2 \times 1) + 1/10 + 6/100$$

**sixty-two and nine
tenths**

**thirty-three and
one hundred fifty-
three thousandths**

**twenty-one and
thirty-three
thousandths**

**seventy-two and
fifty-seven
hundredths**

**four and three
tenths**

**thirty-nine
hundredths**

**six hundred eighty-
four thousandths**

**two and sixteen
hundredths**

0.71

8.296

7.325

0.504

1.322

0.23

92.008

41.2

$$7/10 + 1/100$$

$$(8 \times 1) + 2/10 + 9/100 \\ + 6/1,000$$

$$(7 \times 1) + 3/10 + 2/100 \\ + 5/1,000$$

$$5/10 + 4/1,000$$

$$(1 \times 1) + 3/10 + 2/100 \\ + 2/1,000$$

$$2/10 + 3/100$$

$$(9 \times 10) + (2 \times 1) + \\ 8/1,000$$

$$(4 \times 10) + (1 \times 1) + \\ 2/10$$

**seventy-one
hundredths**

**eight and two
hundred ninety-six
thousandths**

**seven and three
hundred twenty-five
thousandths**

**five hundred and
four thousandths**

**one and three
hundred twenty-two
thousandths**

**twenty-three
hundredths**

**ninety-two and
eight thousandths**

**forty-one and two
tenths**

1.6

5.228

4.031

9.702

18.17

3.2

0.128

0.37

$$(1 \times 1) + 6/10$$

$$(5 \times 1) + 2/10 + 2/100 + 8/1,000$$

$$(4 \times 10) + 3/100 + 1/1,000$$

$$(9 \times 1) + 7/10 + 2/1,000$$

$$(1 \times 10) + (8 \times 1) + 1/10 + 7/100$$

$$(3 \times 1) + 2/10$$

$$1/10 + 2/100 + 8/1,000$$

$$3/10 + 7/100$$

one and six tenths

**five and two
hundred twenty-
eight thousandths**

**four and thirty-one
thousandths**

**nine and seven
hundred two
thousandths**

**eighteen and
seventeen
hundredths**

**three and two
tenths**

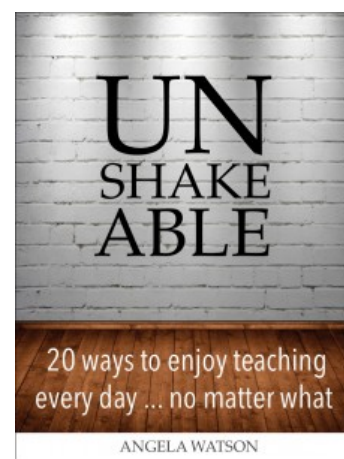
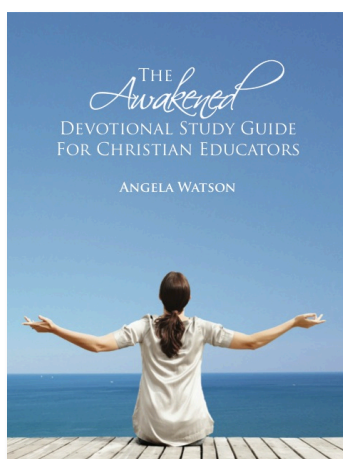
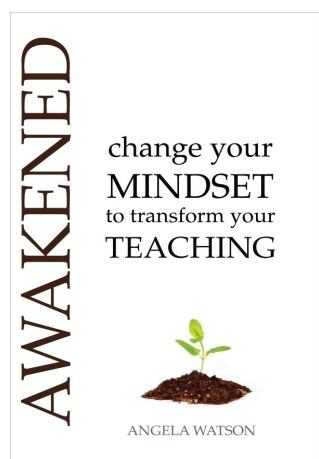
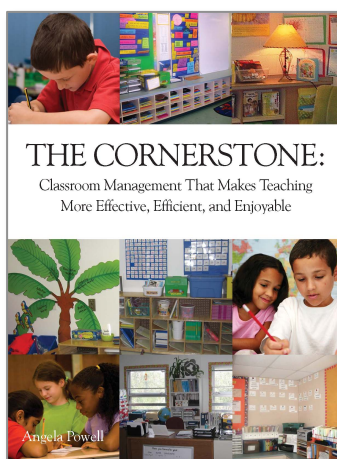
**one hundred
twenty-eight
thousandths**

**thirty-seven
hundredths**

Place Value Cards: Blank

Thanks so much for downloading this resource! I'm Angela Watson, a National Board Certified Teacher with 11 years of classroom experience and 9 years experience as an instructional coach. I've been sharing free practical teaching ideas on my blog, TheCornerstoneForTeachers.com, since 2003.

You can check out my [free podcast called Truth for Teachers](#) and get a weekly dose of encouragement and motivation. I also have [4 books](#) available and an online PD program centered on teacher productivity ([The 40 Hour Teacher Workweek Club](#).) Enjoy!



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LET'S DO THIS

