

KS2 Place Value Booster Pack

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10 original printable worksheets: digit values, place value, partitioning, comparing, rounding and decimals.

Start with PV01 and work through in order, or choose a page that targets the skill currently being practised.

PV01 Digit value: thousands

KS2 Maths | Place value practice.

Name: _____ Date: _____

1. What is the value of 8 in 18,263?

2. What is the value of 5 in 45,172?

3. What is the value of 3 in 63,408?

4. What is the value of 9 in 29,561?

5. What is the value of 6 in 16,274?

Challenge - Write a number where the digit 7 has a value of 7,000.

PV02 Digit value: hundreds

KS2 Maths | Place value practice.

Name: _____ Date: _____

1. What is the value of 4 in 28,451?

2. What is the value of 7 in 16,749?

3. What is the value of 3 in 52,371?

4. What is the value of 9 in 48,936?

5. What is the value of 1 in 84,192?

Challenge - Write a number where the digit 2 has a value of 200.

PV03 Digit value: tens and ones

KS2 Maths | Place value practice.

Name: _____ Date: _____

1. What is the value of 6 in 42,861?

2. What is the value of 5 in 13,425?

3. What is the value of 9 in 76,594?

4. What is the value of 2 in 39,172?

5. What is the value of 4 in 25,346?

Challenge - Make a 5-digit number where the digit 8 is worth 80.

PV04 Mixed place value

KS2 Maths | Place value practice.

Name: _____ Date: _____

1. What is the value of 2 in 82,461?

2. What is the value of 2 in 48,275?

3. What is the value of 2 in 17,982?

4. What is the value of 2 in 63,824?

5. What is the value of 2 in 29,316?

Challenge - Explain why the digit 2 can have different values.

PV05 Partitioning numbers

KS2 Maths | Place value practice.

Name: _____ Date: _____

1. Partition 6,407.

2. Partition 48,052.

3. Write $7,000 + 300 + 20 + 9$ as a number.

4. Write $50,000 + 6,000 + 4$ as a number.

5. Partition 90,618.

Challenge - Use digits 9, 0, 4 and 6 once to make the greatest 4-digit number.

PV06 Compose numbers

KS2 Maths | Place value practice.

Name: _____ Date: _____

1. Write the number: 3 ten-thousands, 4 thousands, 6 hundreds, 2 tens, 5 ones.

2. Write the number: 7 thousands, 8 tens and 1 one.

3. What number has 5 ten-thousands and 9 hundreds?

4. Write 68,304 in words.

5. Write ninety-two thousand and seventy as a number.

Challenge - Use 1, 3, 5, 8 and 0 once each to make the smallest 5-digit number.

PV07 Compare and order

KS2 Maths | Place value practice.

Name: _____ Date: _____

1. Put in ascending order: 4,209; 4,029; 4,290; 4,092.

2. Complete: 7,506 ____ 7,560.

3. Complete: 38,199 ____ 38,199.

4. Which is greatest: 59,999; 60,001; 60,010?

5. Write a number between 24,499 and 24,501.

Challenge - Explain why 30,405 is greater than 30,399.

PV08 Rounding to 10 and 100

KS2 Maths | Place value practice.

Name: _____ Date: _____

1. Round 347 to nearest 10.

2. Round 2,651 to nearest 100.

3. Round 4,449 to nearest 100.

4. Round 9,950 to nearest 10.

5. Round 12,505 to nearest 100.

Challenge - Give two numbers that round to 6,700 to the nearest 100.

PV09 Rounding to 1,000 and estimating

KS2 Maths | Place value practice.

Name: _____ Date: _____

1. Round 8,499 to nearest 1,000.

2. Round 8,500 to nearest 1,000.

3. Round 24,674 to nearest 1,000.

4. Estimate $3,879 + 5,162$ by rounding each to nearest 1,000.

5. Estimate $7,211 - 2,804$ by rounding each to nearest 1,000.

Challenge - A number rounds to 15,000 to the nearest 1,000. Give the smallest possible whole number.

PV10 Decimal place value

KS2 Maths | Place value practice.

Name: _____ Date: _____

1. What is the value of 7 in 4.78?

2. What is the value of 8 in 4.78?

3. What is the value of 5 in 12.503?

4. Order: 3.07, 3.7, 3.17.

5. Round 6.46 to 1 decimal place.

Challenge - Write a decimal where the digit 4 has a value of four hundredths.
