Place value

Name: _____ **Date:** _____

REMEMBER: Each place is worth **10 times** more than the place to its right: units, tens, hundreds, thousands. That is why a digit's value depends on **where** it stands: in 8 251 the 8 is worth 8 000, but in 1 528 it is worth only 8.

Work with thousands (Th), hundreds (H), tens (T) and units (U).

1. What is the value of the 7 in 2 746?
Answer: _____

2. Which digit is in the tens place of 5 318?
Answer: _____

3. 3 000 + 400 + 20 + 6 = _____
Answer: _____

4. Which number do the blocks show? (cube = 1 000, flat = 100, rod = 10, small cube = 1)



Answer: _____

5. Write 6 085 in expanded notation.
Answer: _____

6. Write in numerals: *four thousand and seventy*
Answer: _____

7. Which number is 1 000 more than 7 482?
Answer: _____

8. Which number is 100 less than 5 030?
Answer: _____

9. Order from smallest to biggest: 3 409, 3 940, 3 049, 3 490
Answer: _____

10. Write < or >: **6 708 ____ 6 780**
Answer: _____

11. How many tens are there altogether in 450?

Answer: _____

12. Use the digits 7, 2, 9 and 4 once each. Write the **biggest** number you can make.
Answer: _____

13. Use 7, 2, 9 and 4 again. Write the **smallest even** number you can make.
Answer: _____

14. Guess my number: I have 4 digits. My thousands digit is 3. My hundreds digit is 2 more than my thousands digit. I have no tens, and my units digit is the same as my thousands digit.

Answer: _____

15. Which number is 10 more than 2 995?

Answer: _____

I got _____ out of 15 ☆☆☆

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Place value – Memorandum

Show your child the steps – not just the answer.

1. **700**
2 746 = 2 Th + 7 H + 4 T + 6 U; the 7 is in the hundreds place: 7 × 100 = 700

2. **1**
Th 5 · H 3 · T 1 · U 8

3. **3 426**
3 thousands, 4 hundreds, 2 tens, 6 units

4. **2 305**
2 × 1 000 + 3 × 100 + 5 × 1 = 2 305 (no tens, so 0 in the tens place)

5. **6 000 + 80 + 5**
6 thousands + 0 hundreds + 8 tens + 5 units

6. **4 070**
4 thousands, 0 hundreds, 7 tens, 0 units

7. **8 482**
Only the thousands digit changes: 7 + 1 = 8 → 8 482

8. **4 930**
5 030 = 50 hundreds + 30; 49 hundreds + 30 = 4 930

9. **3 049; 3 409; 3 490; 3 940**
All have 3 thousands; compare the hundreds: 0 < 4 < 9; then the tens: 3 409 (0 T) < 3 490 (9 T)

10. **<**
Thousands and hundreds are equal; tens: 0 < 8

11. **45**
450 ÷ 10 = 45 (4 hundreds = 40 tens, plus 5 tens)

12. **9 742**
Put the biggest digit in the thousands place: 9, 7, 4, 2

13. **2 794**
Even numbers end in 2 or 4. Start with 2 (smallest), so the 4 must go at the end: 2 _ _ 4 → 2 794

14. **3 503**
Th = 3; H = 3 + 2 = 5; T = 0; U = 3 → 3 503

15. **3 005**
9 tens + 1 ten = 10 tens = 1 hundred; 9 hundreds + 1 = 10 hundreds = 1 thousand → 3 005

Stars: 8 right = 1 star · 12 right = 2 stars · 15 right = 3 stars ☆☆☆

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