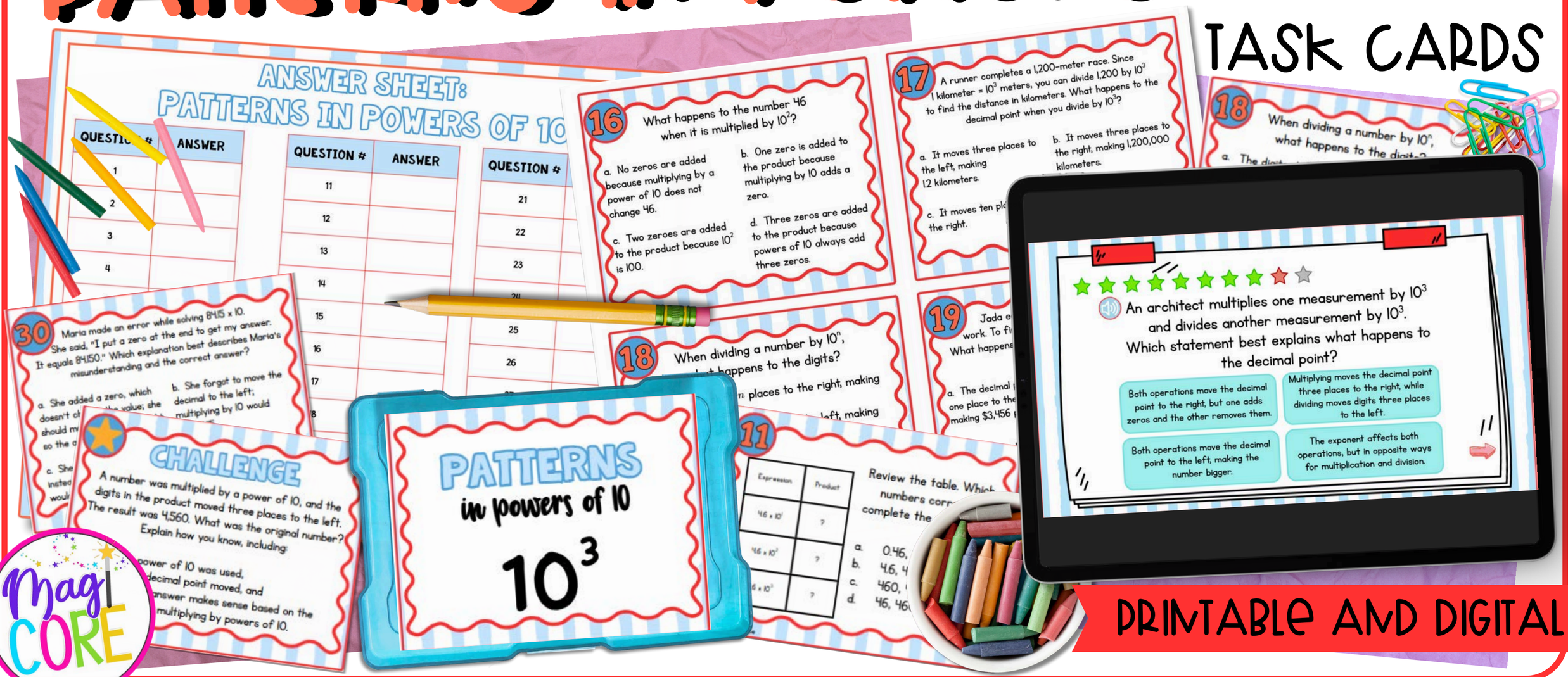
5.NBT.A.2

PATTERNS IN POWERS OF 10

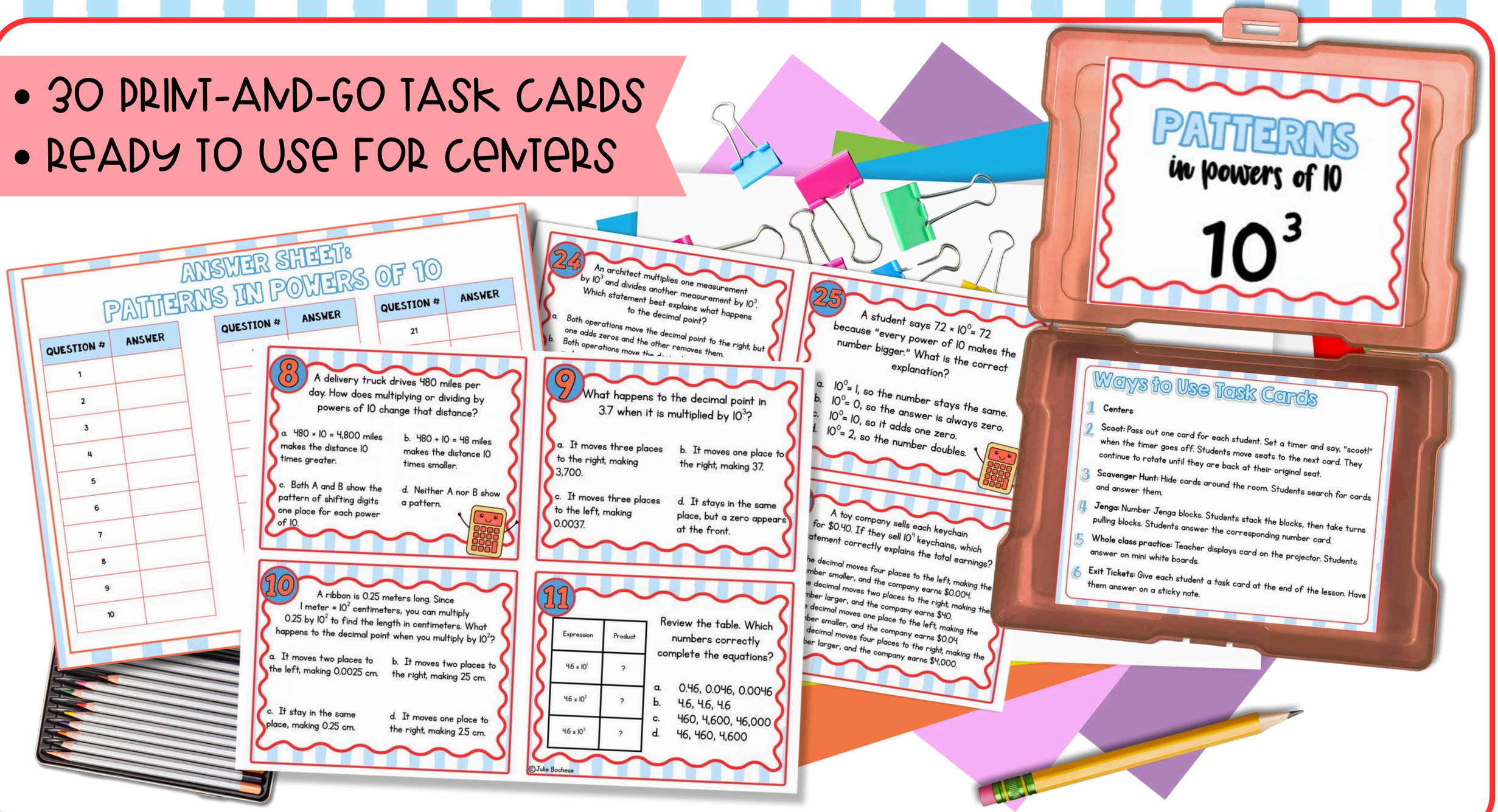
TASK CARDS



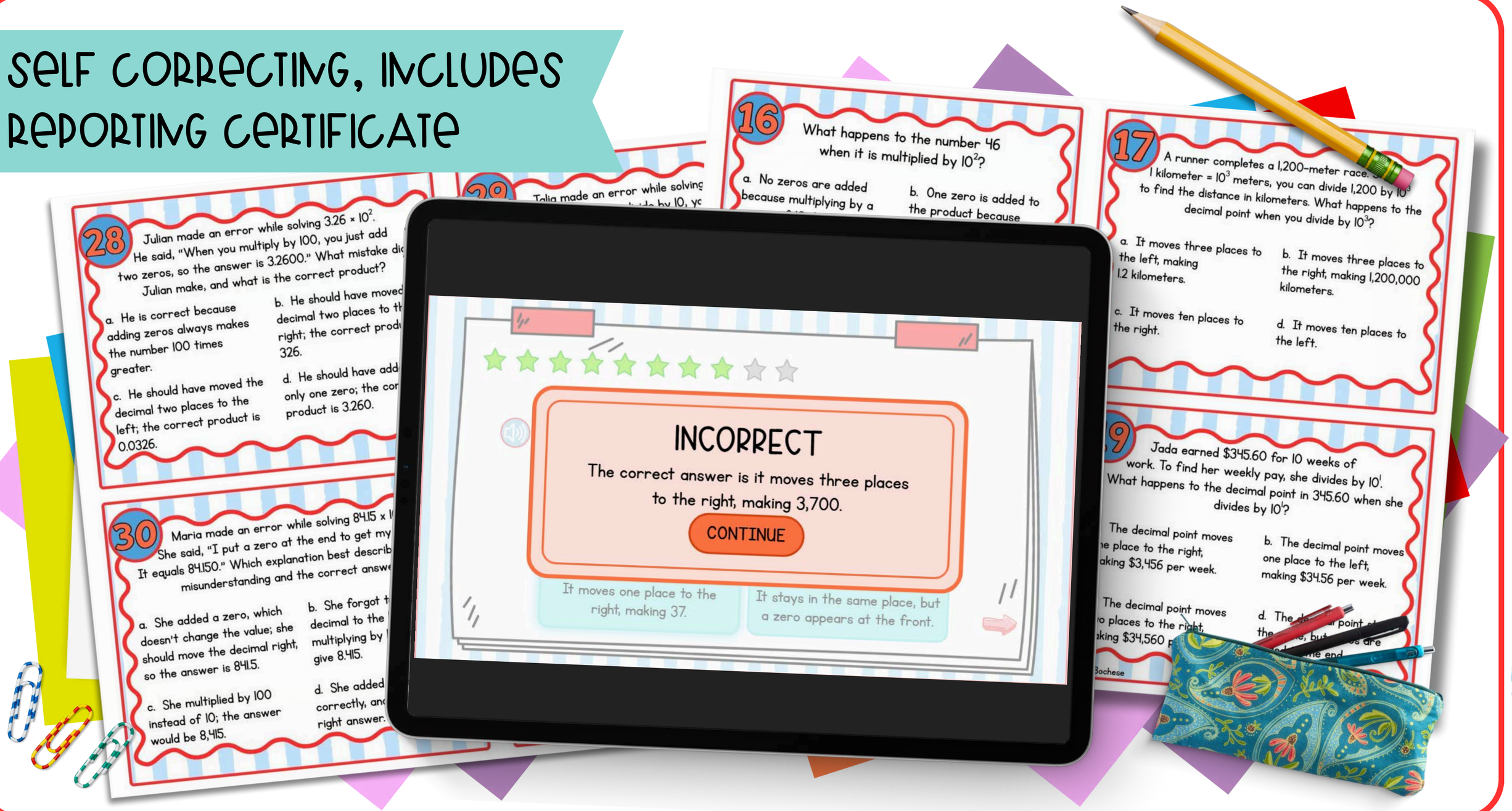
PRINTABLE AND DIGITAL

Mag CORE

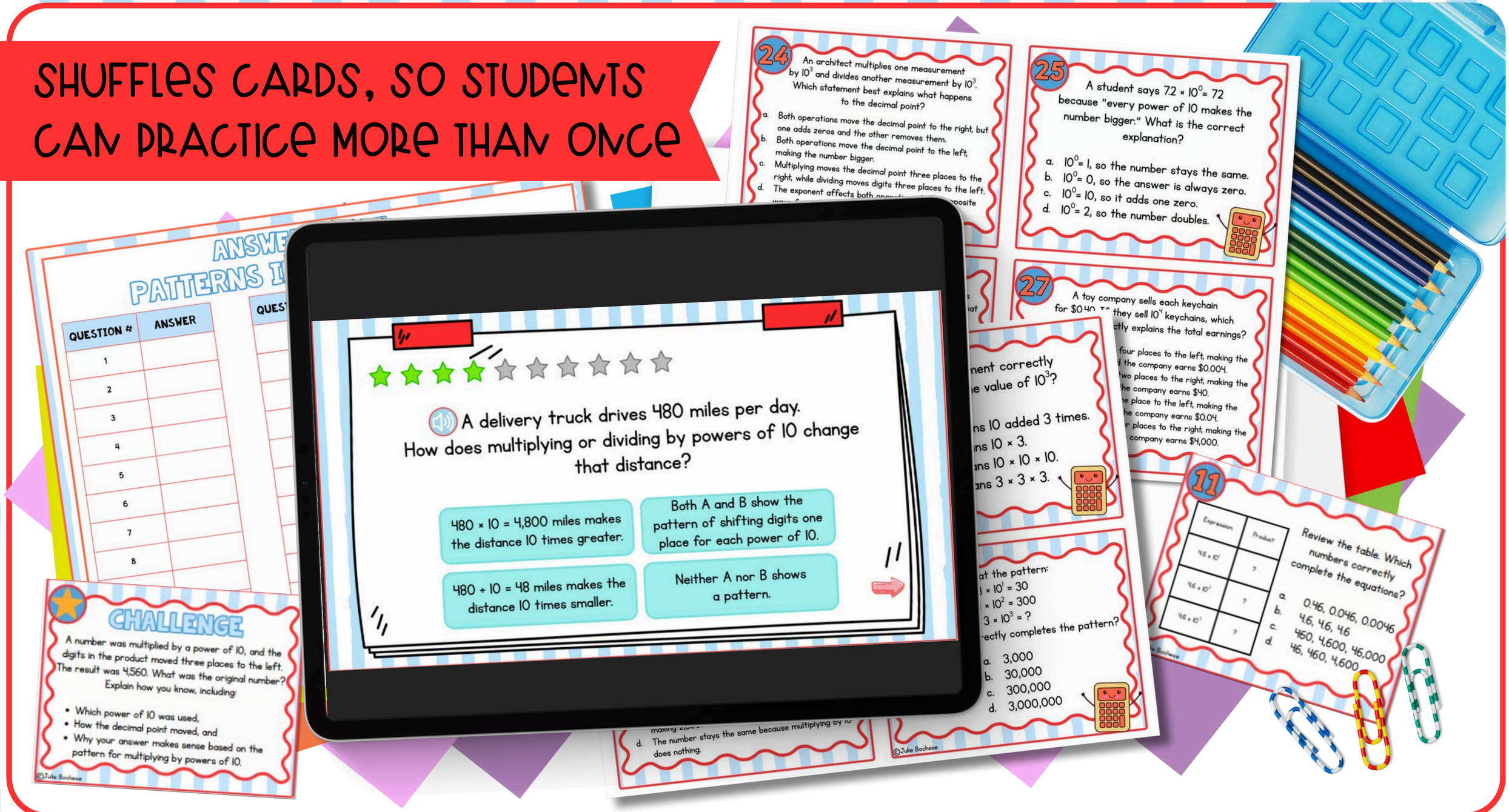
- 30 PRINT-AND-GO TASK CARDS
- READY TO USE FOR CENTERS



SELF CORRECTING, INCLUDES REPORTING CERTIFICATE



SHUFFLES CARDS, SO STUDENTS CAN PRACTICE MORE THAN ONCE



STANDARDS ALIGNED

11

Expression	Product
4.6×10^1	?
4.6×10^2	?
4.6×10^3	?

Review the table. Which numbers correctly complete the equat

a. 0.46, 0.046, 0.0046
b. 4.6, 4.6, 4.6
c. 460, 4,600, 46,000
d. 46, 460, 4,600

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30

Maria made an error while solving 8.415×10. She said, "I put a zero at the end to get my answer. It equals 84.150." Which explanation best describes Maria's misunderstanding and the correct answer?

a. She added a zero, which doesn't change the value; she ...e the decimal right, so the answer is 84.15.

b. She forgot to move the decimal to the left; multiplying by 10 would give 8.415.

c. She multiplied by 100 instead of 10; the answer would be 8,415.

d. She added a z... correctly, and ... right answer.

2

A school prints 25 certificates. Then the printer accidentally sets the machine to print 10^1 times as many. Which statement explains what happens to the number when multiplying by 10^1?

a. The decimal point moves one place to the left, making 2.5.
b. The decimal point moves one place to the right, making 250.
c. The decimal point moves two places to the right, making 2,500.
d. The number stays the same because multiplying by 10^1 does nothing.

6

When you multiply 4.7×10^n, what pattern explains the number of zeros in the product?

a. You add one zero because multiplying by 10 only changes the ones place.

b. You add two zeros because multiplying by 10^n means adding two zeros.

c. You add four zeros because 10^n has four zeroes.

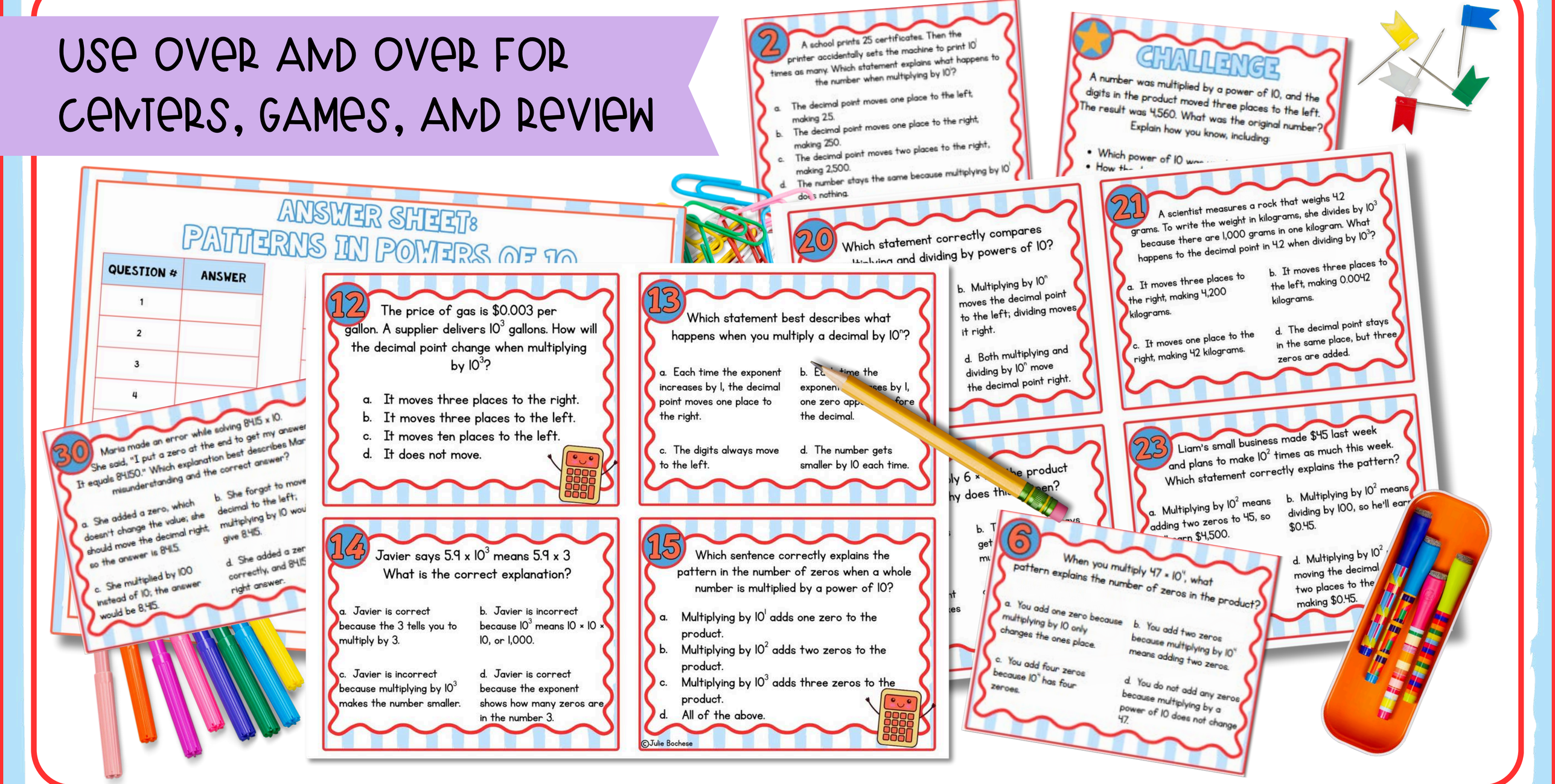
d. You do not add any zeros because multiplying by a power of 10 does not change 4.7.

18

When dividing a number by 10^n, what happens to the digits?

a. The digits shift n places to the right, making the number smaller.
b. The digits shift n places to the left, making the number smaller.
c. The digits shift n places to the right, making the number larger.
d. The d...its shift n places to the le... t... nu...ber larger.

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