

Grade 6 find the mistake task cards

NAME	DATE	SCORE / 8
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Cut out the cards. Write each answer on the recording sheet.

CARD 1

Ivy says $9:5 = 14:10$, because 5 is added to both numbers. Fill in the box to make the ratios equivalent: $9:5 = \square:10$

CARD 3

Cleo divides to write $\frac{4}{5}$ as a decimal and gets 0.45. Is Cleo right?

- ☐ No: the answer is 1.25 ☐ Yes: the answer is 0.45
☐ No: the answer is 0.8

CARD 5

A bag has red and blue marbles in the ratio 3:7. There are 28 blue marbles in the bag. Ivy says there are 24 red marbles, because 3 is 4 less than 7, and $28 - 4 = 24$. How many red marbles are in the bag?

CARD 7

Leo writes $4(y + 12)$ without parentheses as $4y + 12$. Is Leo right?

- ☐ No, it is $4y + 48$ ☐ Yes, Leo is right
☐ No, it is $5y + 16$ ☐ No, it is $y + 48$

CARD 2

Ivy says 2% of 250 is 50, because 2% is 0.2 and $0.2 \times 250 = 50$. What is 2% of 250?

CARD 4

These numbers are in order: 7, 10, 12, 12, 14, 15, 17, 17. Ben says the interquartile range is 10, because $17 - 7 = 10$. What is the interquartile range of these numbers?

CARD 6

Cleo says $8 \times 6^2 = 2304$. Find Cleo's mistake. What is the correct value of 8×6^2 ?

CARD 8

Leo says that when $n = 3$, the value of $2n^3$ is 18. Is Leo right?

- ☐ Yes, Leo is right ☐ No, the value is 216
☐ No, the value is 54

Recording sheet

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Write the answer for each card in its box.

CARD 1	CARD 2
CARD 3	CARD 4
CARD 5	CARD 6
CARD 7	CARD 8

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1 18

4 5

7 No, it is $4y + 48$

2 5

5 12

8 No, the value is 54

3 No: the answer is 0.8

6 288