Dutch teacher and her 7th grade students provided the following example.

```
Arthur and Renee make coffee
with a coffee maker. Arthur uses
2 scoops of coffee for 5 cups of
coffee. Renee uses 3 scoops of
coffee for }7\mathrm{ cups of coffee.
Who makes the strongest coffee?
```

The teacher made the following scoring guide.

|  | number of points |
| :--- | :--- |
| Correct answer/conclusion | 1 point |
| Correct work | 2 points |

Student 1


$$
R_{\in} \in \in e, s \in \in T A b \in L
$$

Student 2


Arthur makes Stronger coffee

Student 3

$$
\begin{aligned}
& 2-5 \times 7=35 \quad 14 \\
& 3-7 \times 5=35 \quad 15
\end{aligned}
$$

Student 4


$1-1 |$| 250 |  |
| :--- | :--- |
| 1 |  |
| 580 |  |

Student 5
They are the same

$$
\begin{array}{lll}
37 & 4-3-1 \\
25 & 2-3-1
\end{array}
$$

Student 6
The coffee of Rance is stronger

now you see that the coffee of Rene is stronger than Artur. It think

Student 7


Student 8

$$
\begin{aligned}
& \text { Arthur } \times 10 \times 2
\end{aligned}
$$

Student 9


Student 10
Renee $\frac{3}{7}=\frac{15}{35}$ and Arthur $\frac{2}{5}=\frac{14}{35}$ so Renee

Student 11
I think that Arthur makes stronger coffee Because if you calculate 7:3 you get 2.3 and $5: 2=2.5$

Student 12
of Rene stronger because the proportion is bigger.

Student 13

$14 / 6001$
280-20x
320
$\frac{28 e}{40}-20 x$
$32-3 x$
80

