

Miss Hughes' group – Reasoning and problem solving answers

Bronze

1a. $\frac{1}{4}$ is the odd one out because the others show $\frac{1}{2}$.

2a. $\frac{1}{4}$ is not equal to $\frac{3}{8}$, it should be $\frac{2}{8}$.

3a. Use the cards 2 and 4 to make $\frac{2}{4}$.
Use the cards 2 and 12 to make $\frac{2}{12}$.

1b. $\frac{1}{3}$ is the odd one out because the others show $\frac{1}{4}$.

2b. $\frac{1}{4}$ is not equal to $\frac{3}{11}$, it should be $\frac{3}{12}$.

3b. Use the cards 3 and 12 to make $\frac{3}{12}$.
Use the cards 2 and 16 to make $\frac{2}{16}$.

Silver

4a. $\frac{1}{3}$ is the odd one out because the others show $\frac{2}{5}$.

5a. $\frac{2}{7}$ is not equal to $\frac{3}{14}$, it should be $\frac{4}{14}$.

6a. Use the cards 4 and 10 to make $\frac{4}{10}$.
Use the cards 15 and 20 to make $\frac{15}{20}$.

4b. $\frac{3}{10}$ is the odd one out because the others show $\frac{1}{3}$.

5b. $\frac{1}{5}$ is not equal to $\frac{2}{15}$, it should be $\frac{2}{10}$.

6b. Use the cards 6 and 9 to make $\frac{6}{9}$.
Use the cards 6 and 15 to make $\frac{6}{15}$.

Gold

7a. $\frac{5}{6}$ is the odd one out because the others show $\frac{6}{8}$.

8a. $\frac{4}{8}$ is not equal to $\frac{14}{24}$, it is $\frac{12}{24}$.
 $\frac{6}{14}$ is not equal to $\frac{8}{21}$, it is $\frac{9}{21}$.

9a. Use the cards 4 and 18 to make $\frac{4}{18}$.
Use the cards 8 and 24 to make $\frac{8}{24}$.

7b. $\frac{3}{9}$ is the odd one out because the others show $\frac{3}{7}$.

8b. $\frac{3}{15}$ is not equal to $\frac{4}{30}$, it is $\frac{6}{30}$.
 $\frac{6}{8}$ is not equal to $\frac{18}{25}$, it is $\frac{18}{24}$.

9b. Use the cards 6 and 16 to make $\frac{6}{16}$.
Use the cards 4 and 28 to make $\frac{4}{28}$.