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In Target One Fractions, players choose three numbers to create a whole number and a fraction that have a product close to 1. Their score is the difference between their product and 1, and the lowest score wins the round.

1 Erica is playing Target One Fractions. She has these cards: 1, 2, 3, 4, 6.

a Which three cards should she choose to make a whole number and a fraction that have a product close to 1?

b Write an expression for the problem Erica will solve.

c Solve the problem.

d What is Erica's score for this round?

2 Jamal is playing Beat the Calculator: Fractions. Help Jamal solve the following problems. Show your work.

a $1\frac{1}{5} - \frac{3}{10} =$ _____

b $\frac{1}{3} + \frac{1}{4} + \frac{1}{2} =$ _____

c $(\frac{7}{8} - \frac{1}{4}) - (\frac{5}{5} - \frac{3}{3}) =$ _____

d $\frac{12}{24} + \frac{18}{36} + \frac{24}{48} =$ _____

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3 Billy made 60 cards to give away on Valentine's Day. Help Billy figure out how many cards he will give to his family, his teachers, and his friends. Show your work.

a If Billy gives $\frac{1}{3}$ of his cards to his family, how many cards does Billy give his family?

b If Billy gives $\frac{1}{4}$ of his cards to his teachers, how many cards does Billy give his teachers?

c If Billy gives $\frac{5}{12}$ of his cards to his friends, how many cards does Billy give his friends?

4 True or False?

a $3 \times \frac{4}{5} = 4 \times \frac{3}{5}$ T   F

b $3 \times \frac{4}{5} = 5 \times \frac{3}{4}$ T   F

c $3 \times \frac{4}{5} = \frac{4}{5} \times 3$ T   F

5 Madison and Noah are reading new books from the library. Noah has read $\frac{3}{8}$ of his book, which has 72 pages. Madison has read $\frac{3}{5}$ of her book, which has 55 pages. Who has read more pages? How do you know? Show your work.

6 **CHALLENGE** A rectangular solid that is 6 cm–by-6 cm-by-6 cm is painted on all six faces. Then the solid is cut into cubes that measure 2 cm on each side. How many cubes have only one face painted? Show your work.