Name: _____   Period: _____ Date: _____

COLOR BY CODES MULTIPLYING AND DIVIDING FRACTIONS

$\dfrac{7x}{15}$

$\dfrac{10}{21}$

$\dfrac{2}{5}$

$-\dfrac{7}{5}$

$-\dfrac{7}{5}$

$\dfrac{7x}{15}$

$\dfrac{14}{39}$

$\dfrac{2}{5}$

$-\dfrac{7}{5}$

$-\dfrac{7}{5}$

1

1

$\dfrac{2}{5}$

$-\dfrac{7}{5}$

$-\dfrac{7}{5}$

$\dfrac{7x}{15}$

1

$-\dfrac{7}{5}$

$\dfrac{1}{22}$

$-\dfrac{7}{5}$

$\dfrac{2}{5}$

1

1

$\dfrac{10}{21}$

1

1

$\dfrac{2}{5}$

$\dfrac{3}{5}$

denominators

$\dfrac{21}{16}$

$\dfrac{3}{5}$
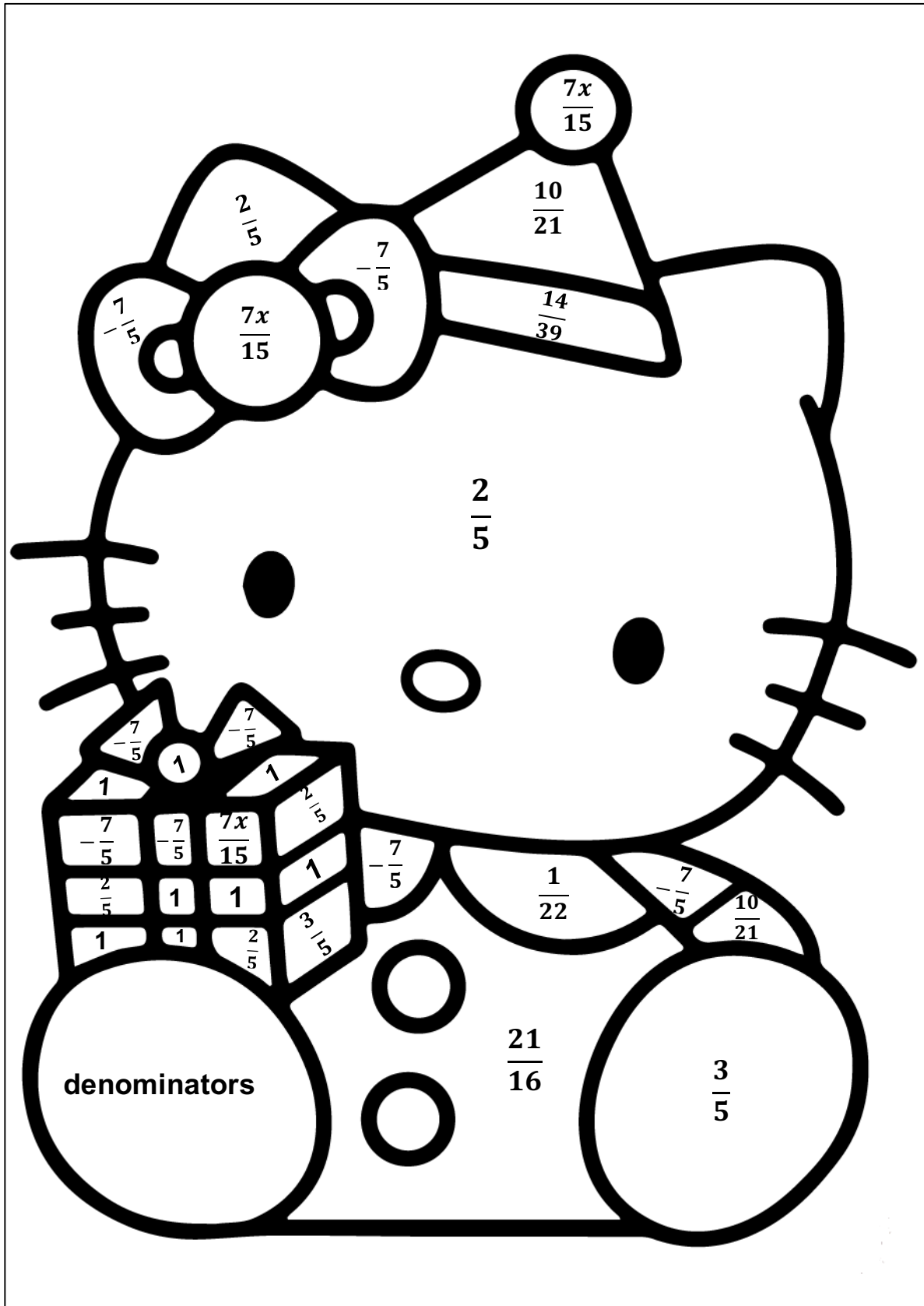
Answer the questions - find your answer on the Christmas Kitty - color according to your answers.

1. The product $\frac{2}{3} \times \frac{5}{7}$ gives _____. **(RED)**

2. Multiplying $\frac{4x}{11} \times \frac{7}{12}$ gives _____. **(GREEN)**

3. The product $\frac{7}{9} \times \frac{6}{13}$ gives _____. **(YELLOW)**

4. In case of multiplying fractions, simply multiply the numerators with numerators and denominators with _____. **(RED)**

5. The product $\left(-\frac{1}{16}\right) \times \left(-\frac{8}{11}\right)$ is _____. **(DARK BROWN)**

6. Dividing $\frac{1}{4} \div \frac{5}{8}$ gives _____. **(LIGHT BLUE)**

7. Dividing $\frac{6}{35t} \div \frac{2}{7t}$ gives _____. **(LIGHT BROWN)**

8. Solving $\frac{15}{19} \div \frac{15}{19}$ gives _____. **(PURPLE)**

9. The quotient $\frac{3}{8} \div \frac{6}{7}$ gives _____. **(LIGHT GREEN)**

10. The product $\frac{6}{13} \times \left(-\frac{21}{12}\right)$ gives _____. **(ORANGE)**
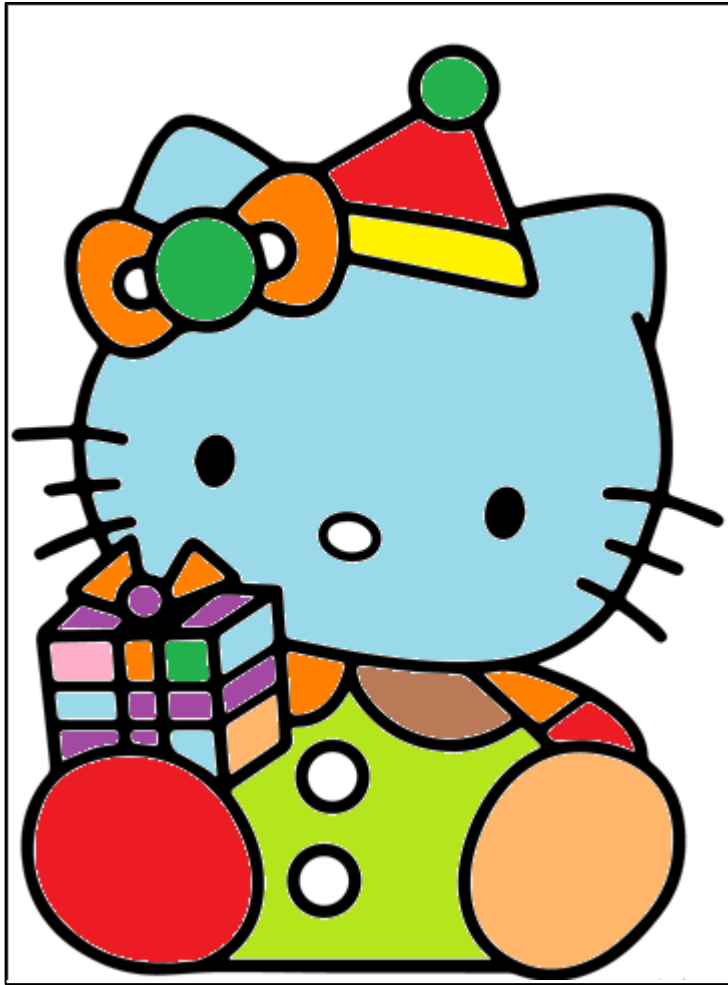
Answers:

1. $\dfrac{10}{21}$

2. $\dfrac{7x}{15}$

3. $\dfrac{14}{39}$

4. denominators

5. $\dfrac{1}{22}$

6. $\dfrac{2}{5}$

7. $\dfrac{3}{5}$

8. 1

9. $\dfrac{21}{16}$

10. $-\dfrac{7}{5}$