Write an equation. Then solve.   *Show your work.*

1. Alycia and her 4 friends share 3 pizzas equally. How much of one pizza does each person get?

_____

2. For the breakfast buffet, Mr. Walker must cut and equally divide 12 loaves of bread over 7 platters. How many loaves of bread are placed on each platter?

_____

3. Elin has $\frac{1}{3}$ hour to warm up for her gymnastics meet. She must complete each of 6 different stretches. How long, in hours, does she spend on each type of stretch if she spends an equal amount of time on each type of stretch, without breaks?

_____

4. Todd has 2 frogs. This is $\frac{1}{3}$ the number of frogs that Heather has. How many frogs does Heather have?

_____

Use the model to solve.

5. For a snack, Miss Johnson gives her class graham crackers. She has a package of 20 graham crackers to share equally among 8 students. How many graham crackers should each student receive?

_____
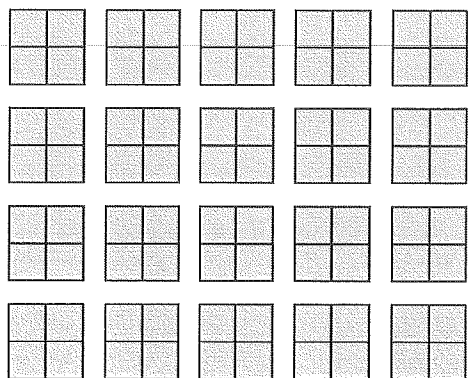
Without multiplying, tell whether the product will be greater than, less than, or equal to the second factor. (Write >, <, or =.)

6. $\frac{13}{4} \cdot \frac{5}{8} = x$

   $x \bigcirc \frac{5}{8}$

7. $\frac{4}{3} \cdot 6 = x$

   $x \bigcirc 6$

8. $\frac{2}{5} \cdot \frac{1}{7} = x$

   $x \bigcirc \frac{1}{7}$

Solve.

9. $6 \div \frac{1}{4} =$ _____

10. $\frac{3}{5} \cdot \frac{2}{7} =$ _____

11. $7 \div 5 =$ _____

12. $\frac{12}{16} \cdot \frac{15}{20} =$ _____

13. $\frac{3}{14} \cdot 7 =$ _____

14. $1\frac{1}{2} \cdot 1\frac{2}{3} =$ _____

15. $6 \cdot \frac{1}{6} =$ _____

16. $4 \cdot 1\frac{9}{10} =$ _____

17. $\frac{1}{5} \div 8 =$ _____

Solve.

18. Don has piece of cord 40 feet long. He wants to cut the cord into pieces to tie up and support the tomato plants in his garden. How many pieces can he cut if each piece is $\frac{1}{2}$ foot long?

19. Of the coins in Simone's collection, $\frac{13}{25}$ are quarters. Of these quarters, $\frac{2}{3}$ are state quarters. What fraction of Simone's coins are state quarters?

20. **Extended Response** A square *Do Not Enter* sign has a height and width of $2\frac{1}{2}$ feet.

Will the area of the sign be greater than or less than $2\frac{1}{2}$ square feet? Explain how you know and then find the actual area.

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_____

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