

1. Yasmine is having a birthday party with snacks and activities for her guests. At one table, five people are sharing three-quarters of a pizza. What equal-sized portion of the pizza will each of the five people receive?
 - a. Use a model (e.g., picture, number line, or manipulative materials) to represent the quotient.
 - b. Write a number sentence to represent the situation. Explain your reasoning.
 - c. If three-quarters of the pizza provided 12 pieces to the table, how many pieces were in the pizza when it was full? Support your answer with models.

2. Yasmine needs to create invitations for the party. She has $\frac{3}{4}$ of an hour to make the invitations. It takes her $\frac{1}{12}$ of an hour to make each card. How many invitations can Yasmine create?
 - a. Draw a model to represent the quotient.
 - b. Compute the quotient without models. Show your work.

3. Yasmine is serving ice cream with the birthday cake at her party. She has purchased $19\frac{1}{2}$ pints of ice cream. She will serve $\frac{3}{4}$ of a pint to each guest.
 - a. How many guests can be served ice cream?
 - b. Will there be any ice cream left? Justify your answer.

Chapter 2

Multiple Choice

Multiply. Write in simplest form.

4. $4 \times \frac{1}{8}$

- a. 4 b. 2 c. 1 d.
- $\frac{1}{2}$

5. $\frac{1}{3} \times \frac{1}{6}$

- a.
- $\frac{1}{18}$
- b.
- $\frac{1}{9}$
- c.
- $\frac{1}{2}$
- d. 2

6. $1\frac{1}{2} \times \frac{2}{3}$

- a. 2 b.
- $\frac{3}{2}$
- c. 1 d.
- $\frac{2}{3}$

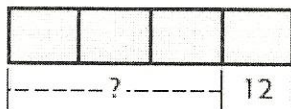
7. $2\frac{1}{2} \times 1\frac{1}{2}$

- a. 4 b.
- $3\frac{3}{4}$
- c. 3 d.
- $2\frac{1}{4}$

- 8.
- FLOOR SPACE**
- Find the area of a room that is
- $3\frac{3}{4}$
- yards long by
- $3\frac{1}{3}$
- yards wide.

- a.
- $12\frac{1}{2}$
- yd
- ²
- b.
- $10\frac{1}{2}$
- yd
- ²
- c.
- $9\frac{1}{4}$
- yd
- ²
- d. 5 yd
- ²

- 9.
- BUILDING**
- Lukas used
- $\frac{3}{4}$
- of the nails in a box. He has 12 nails left. How many did he use?



- a. 21 b. 24 c. 36 d. 48

Divide. Write in simplest form.

10. $2 \div \frac{2}{5}$

- a. 5 b.
- $\frac{7}{2}$
- c.
- $\frac{4}{5}$
- d.
- $\frac{2}{5}$

11. $2 \div \frac{4}{5}$

- a.
- $3\frac{1}{2}$
- b.
- $2\frac{1}{2}$
- c.
- $1\frac{3}{8}$
- d.
- $1\frac{1}{5}$

12. $3 \div 1\frac{1}{4}$

- a.
- $3\frac{3}{4}$
- b.
- $3\frac{1}{4}$
- c.
- $2\frac{2}{5}$
- d.
- $1\frac{2}{5}$

13. $1\frac{1}{3} \div \frac{2}{3}$

- a.
- $2\frac{2}{3}$
- b. 2 c.
- $\frac{8}{9}$
- d.
- $\frac{1}{2}$

14. $4\frac{1}{6} \div 1\frac{2}{3}$

- a.
- $\frac{2}{5}$
- b.
- $2\frac{1}{2}$
- c.
- $4\frac{1}{4}$
- d.
- $6\frac{17}{18}$

15. $3\frac{3}{5} \div 4\frac{1}{2}$

- a.
- $16\frac{1}{5}$
- b.
- $1\frac{1}{4}$
- c.
- $\frac{4}{5}$
- d.
- $\frac{5}{81}$

- 16.
- FRUIT**
- Ping had 6 oranges to share with his friends. He cut each orange in half. How many orange pieces did he make?

- a. 3 b. 8 c. 10 d. 12