

# Relating Multiplication to Division: End-of-Unit Assessment

1. Select **all** expressions that have a value of 24.

- A.  $2 \times 12$
- B.  $3 \times 8$
- C.  $4 \times 5$
- D.  $6 \times 4$
- E.  $20 \times 4$

2. Select **all** situations that match the equation  $48 \div 6 = ?$ .

- A. There are 48 volleyball players on 6 equal teams. How many players are on each team?
- B. There are 48 basketball teams at the tournament. There are 6 players on each team. How many basketball players are at the tournament?
- C. There are 48 kids swimming in the pool. Then 6 kids leave the pool. How many kids are swimming in the pool now?
- D. There are 6 buses. Each bus has 48 students on it. How many students are there altogether?
- E. There are 48 oranges in the box. Jada puts 6 oranges in each bag. How many bags does Jada need for all the oranges?

3. There are 5 rows of flowers in the garden. Each row has the same number of flowers. There are 30 flowers altogether.

How many flowers are in each row? Select **all** equations that represent the situation.

A.  $5 \times ? = 30$

B.  $5 \times 30 = ?$

C.  $30 \times ? = 5$

D.  $5 \div ? = 30$

E.  $30 \div 5 = ?$

F.  $? \div 5 = 30$

4. Lin covers her desk with 77 sticky notes. The sticky notes are in 7 equal rows. How many sticky notes are in each row?

a. Write a division equation to represent the situation. Use a symbol for the unknown quantity.

b. Write a multiplication equation to represent the situation. Use a symbol for the unknown quantity.

c. Solve the problem. Explain or show your reasoning.

5. Find the value of each expression.

a.  $50 \div 5$

b.  $36 \div 2$

c.  $75 \div 5$

6. Find the value of each expression. Explain or show your reasoning.

a.  $11 \times 8$

b.  $7 \times 40$

c.  $5 \times 13$

7. There are 278 students at the school. 197 go home by foot or by car. The rest take a school bus.

a. How many students take the bus home? Explain or show your reasoning.

b. Each bus holds 35 students. Explain why the students who take the bus cannot all fit in 2 buses.

---

---

---

---

c. There are 3 buses and each bus carries the same number of students. How many students are in each bus? Explain or show your reasoning.