

## Division Patterns

1. Use the facts and division patterns to complete the division sentences.

<p>Example:</p> $64 \div 8 = 8$ $640 \div 8 = 80$ $6,400 \div 8 = 800$ $64,000 \div 8 = 8,000$	$32 \div 8 =$  $320 \div 8 =$ $3,200 \div 8 =$ $32,000 \div 8 =$	$25 \div 5 =$  $250 \div 5 =$ $2,500 \div 5 =$ $25,000 \div 5 =$	$54 \div 9 =$  $540 \div 9 =$ $5,400 \div 9 =$ $54,000 \div 9 =$
$42 \div 6 =$  $420 \div 6 =$ $4,200 \div 6 =$ $42,000 \div 6 =$	$24 \div 8 =$  $240 \div 8 =$ $2,400 \div 8 =$ $24,000 \div 8 =$	$55 \div 5 =$  $550 \div 5 =$ $5,500 \div 5 =$ $55,000 \div 5 =$	$49 \div 7 =$  $490 \div 7 =$ $4,900 \div 7 =$ $49,000 \div 7 =$

2. Use facts and multiplication patterns to find the quotient.

- a.  $2,700 \div 9 =$
- b.  $640 \div 8 =$
- c.  $63,000 \div 7 =$
- d.  $240 \div 4 =$
- e.  $15,000 \div 3 =$

Solution:

- a.
- b.
- c.
- d.
- e.

- f.  $320 \div 8 =$
- g.  $7,000 \div 5 =$
- h.  $5,400 \div 6 =$
- i.  $7,200 \div 9 =$
- j.  $48,000 \div 8 =$

Solution:

- f.
- g.
- h.
- i.
- j.

3. Grace and her classmates paid \$300 to buy tickets to visit an art museum. If the cost of a single ticket was \$12, how many tickets were bought?

Solution:

4. What is the value of  $a$  if  $810 \times a = 90$ ?

- a. 6
- b. 8
- c. 9
- d. 90

Solution:

5. A music orchestra collected \$48,000 from the ticket sales in a single show in Las Vegas. If the ticket price was \$32 in a single show, how many tickets were sold?

Solution:

1. Use the facts and division patterns to complete the division sentences.

Example:

$$64 \div 8 = 8$$

$$640 \div 8 = 80$$

$$6,400 \div 8 = 800$$

$$64,000 \div 8 = 8,000$$

$$32 \div 8 = 4$$

$$320 \div 8 = 40$$

$$3,200 \div 8 = 400$$

$$32,000 \div 8 = 4,000$$

$$25 \div 5 = 5$$

$$250 \div 5 = 50$$

$$2,500 \div 5 = 500$$

$$25,000 \div 5 = 5,000$$

$$54 \div 9 = 6$$

$$540 \div 9 = 60$$

$$5,400 \div 9 = 600$$

$$54,000 \div 9 = 6,000$$

$$42 \div 6 = 7$$

$$420 \div 6 = 70$$

$$4,200 \div 6 = 700$$

$$42,000 \div 6 = 7,000$$

$$24 \div 8 = 3$$

$$240 \div 8 = 30$$

$$2,400 \div 8 = 300$$

$$24,000 \div 8 = 3,000$$

$$55 \div 5 = 11$$

$$550 \div 5 = 110$$

$$5,500 \div 5 = 1,100$$

$$55,000 \div 5 = 11,000$$

$$49 \div 7 = 7$$

$$490 \div 7 = 70$$

$$4,900 \div 7 = 700$$

$$49,000 \div 7 = 7,000$$

2. Use facts and multiplication patterns to find the quotient.

a.  $2,700 \div 9 =$

b.  $640 \div 8 =$

c.  $63,000 \div 7 =$

d.  $240 \div 4 =$

e.  $15,000 \div 3 =$

a. 300

b. 80

c. 9,000

d. 60

e. 5,000

f.  $320 \div 8 =$

g.  $7,000 \div 5 =$

h.  $5,400 \div 6 =$

i.  $7,200 \div 9 =$

j.  $48,000 \div 8 =$

f. 40

g. 1,400

h. 900

i. 800

j. 6,000

3. Grace and her classmates paid \$300 to buy tickets to visit an art museum. If the cost of a single ticket was \$12, how many tickets were bought?

25

4. What is the value of  $a$  if  $810 \times a = 90$ ?

a. 6

c. 9

b. 8

d. 90

c

5. A music orchestra collected \$48,000 from the ticket sales in a single show in Las Vegas. If the ticket price was \$32 in a single show, how many tickets were sold?

1,500