

Patterns in Division - I

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

Example

$$36 \div 6 = 6 \text{ (fact)}$$

$$360 \div 60 = 6$$

$$3,600 \div 60 = 60$$

$$36,000 \div 6 = 6,000$$

$$24 \div 6 =$$

$$240 \div 60 =$$

$$2,400 \div 60 =$$

$$24,000 \div 600 =$$

$$63 \div 7 =$$

$$630 \div 7 =$$

$$6,300 \div 70 =$$

$$63,000 \div 700 =$$

$$48 \div 4 =$$

$$480 \div 4 =$$

$$4,800 \div 40 =$$

$$48,000 \div 400 =$$

$$72 \div 9 =$$

$$720 \div 90 =$$

$$7,200 \div 9 =$$

$$72,000 \div 900 =$$

$$60 \div 6 =$$

$$600 \div 6 =$$

$$6,000 \div 60 =$$

$$60,000 \div 60 =$$

$$45 \div 5 =$$

$$4500 \div 5 =$$

$$45,000 \div 500 =$$

$$450,000 \div 50 =$$

$$81 \div 9 =$$

$$810 \div 9 =$$

$$8,100 \div 900 =$$

$$810,000 \div 90 =$$

2. Use facts and division patterns to find

the quotient.

a. $7,200 \div 10$

b. $4,800 \div 60$

c. $96,000 \div 120$

d. $2,700 \div 30$

e. $64,000 \div 8,000$

f. $50,000 \div 5,000$

Solution:

a.

b.

c.

d.

e.

f.

g. $180,000 \div 60$

h. $56,000 \div 7,000$

i. $660,000 \div 1,100$

j. $4,200 \div 30$

k. $50,000 \div 5,000$

l. $960,000 \div 120$

Solution:

g.

h.

i.

j.

k.

l.

3. A big hotel has 50 washing machines to wash towels. If all the machines can wash 4,000 hand towels at a time, how many towels can a single machine wash in one cycle?

Solution:

4. A ship is carrying a total weight of 10,800,000 pounds in shipping containers. There are 1,200 containers on the ship. How much weight is loaded in a single container?

Solution:

5. A power plant supplies 560,000,000 watts of electricity to a town every week. There are 7,000 households in the town. How much electricity does a single household use in a week?

Solution:

6. A company spends \$4,500,000 to buy 5,000 new laptops. Each laptop comes with a \$150 mail-in rebate. How much did each laptop cost after the rebate?

Solution:

A. 600

C. 750

B. 650

D. 900