

Division is used to find out how one number can be shared equally between groups. If 12 coins are shared or divided equally between 4 students, how many coins will each student receive?



There are 4 groups of 3 in 12 and $12 \div 4 = 3$, so each student receives 3 coins.

Division is the opposite operation of multiplication.

$$56 \div 8 = 7 \quad \text{Thus 7 groups of 8} = 56$$

Or $8 + 8 + 8 + 8 + 8 + 8 + 8 = 56$

Or $7 \times 8 = 56$

Example

Solution

Solve each of the following:

a $427 \div 7$

$$\begin{array}{r} 061 \\ 7 \overline{)427} \end{array}$$

$$427 \div 7 = 61$$

b $22368 \div 6$

$$\begin{array}{r} 03728 \\ 6 \overline{)22368} \end{array}$$

$$22368 \div 6 = 3728$$

Exercise 1E

1 Find the answer to each of the following:

a $2 \overline{)4286}$

b $6 \overline{)1266}$

c $8 \overline{)2480}$

d $4 \overline{)1732}$

e $9 \overline{)1872}$

f $5 \overline{)265}$

g $7 \overline{)46123}$

h $12 \overline{)6120}$

i $11 \overline{)2937}$

j $3 \overline{)1686}$

k $5 \overline{)4570}$

l $7 \overline{)6874}$

2 Set the following divisions out correctly before finding the answer:

a $645 \div 3$

b $1468 \div 4$

c $3005 \div 5$

d $594 \div 6$

e $2037 \div 7$

f $10160 \div 8$

g $8991 \div 9$

h $4800 \div 10$

i $29161 \div 11$

j $74964 \div 12$

k $4064 \div 8$

l $144291 \div 7$

3 The answer to a division sum is also called a quotient. Set the following division questions out correctly before working out the quotient:

a What is the quotient of $4575 \div 3$?

b What is 19704 divided by 6?

c How many times does 11 go into 6644?

d How many groups of 8 are in 544?

4 Maria works in a department store and earns \$480 per week. How much does she earn per day if she works from Monday to Friday?