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## 5th Grade Division Worksheets

1. Find the missing number:

a.  $\underline{\quad} \div 15 = 8$

b.  $76 \div \underline{\quad} = 4$

2. Choose two numbers from 15, 120, 8, 96, 180 complete the sentence.

a.  $\underline{\quad} \div \underline{\quad}$  have a quotient 8

b.  $\underline{\quad} \div \underline{\quad}$  have a quotient 12

3. Match the following:

1	$68 \div 17$	a.	5
2	$56 \div 4$	b.	7
3	$105 \div 15$	c.	14
4	$110 \div 22$	d.	4

4. If the rate of evaporation of water is 2 litre per hour then in how many hours 24 litre water will evaporate?

5. In a marriage party every 8<sup>th</sup> person brought a bouquet. If 560 people attended the marriage, how many bouquets has been received?



6. Divide the 4 digit number with 3 digit number and find the remainder.

a.  $4580 \div 150$ .      b.  $2785 \div 14$

7. On a highway petrol pump is situated every 12 miles. If the highway is 600 miles then how many petrol pumps are there on the highway?



8. It takes 1 hour to complete a journey of 70 miles by car. In how many hours journey of 1470 miles will complete?

9. As a gesture of humanity, A zoo authority decided to release 10 birds every day. If there are 1250 birds in the zoo, in how many days will all the birds be released?



10. In a tv channel 5 advertisements appear every 15 minutes. How many advertisements will appear in 4 hours and how many advertisements will appear in 54 hours?

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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	a. 120 b. 19
2)	a. $120 \div 15$ b. $180 \div 15$
3)	1 - d 2 - c 3 - b 4 - a
4)	12 hours
5)	70 bouquets
6)	a. Remainder= 80 b. Remainder= 13
7)	50 petrol pumps
8)	21 hours
9)	125 days
10)	In 4 hours = 80 advertisements In 54 hours = 1080 advertisements

## SOLUTIONS

Complete solution/explanation



1. a.  $\underline{120} \div 15 = 8$   
 b.  $76 \div \underline{19} = 4$

2. a.  $\underline{120} \div 15$  have a quotient 8  
 b.  $\underline{180} \div 15$  have a quotient 12

3. 1)  $68 \div 17 = 4$  - (d)  
 2)  $56 \div 4 = 14$  - (c)  
 3)  $105 \div 15 = 7$  - (b)  
 4)  $110 \div 22 = 5$  - (a)

4. Rate of evaporation per hour = 2 litres/hour  
 Total quantity of water = 24 litres  
 Therefore, Time required for evaporating 24 litres of water is  $24 \div 2 = 12$  hours.

5. Number of bouquets received =  $560 \div 8 = 70$  bouquets

6. a.  $4580 \div 150$

$$\begin{array}{r} 30 \\ \hline 150 \overline{) 4580} \\ \underline{-450} \phantom{0} \downarrow \\ 80 \end{array}$$

So, remainder = 80.

b.  $2785 \div 14$

$$\begin{array}{r} 198 \\ \hline 14 \overline{) 2785} \\ \underline{-14} \phantom{0} \phantom{0} \downarrow \phantom{0} \\ 138 \phantom{0} \phantom{0} \phantom{0} \downarrow \phantom{0} \\ \underline{-126} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \downarrow \phantom{0} \\ 125 \phantom{0} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \downarrow \phantom{0} \\ \underline{-112} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ 13 \end{array}$$

So, remainder = 13.

7. Number of petrol pumps on the highways =  $600 \div 12 = 50$   
petrol pumps

8. In one hour, 70 miles by car.

So, 1470 miles will be completed in  $1470 \div 70 = 21$  hours.

9. In one day, 10 birds will be released from the zoo.

So, 1250 birds will be released in  $1250 \div 10 = 125$  days.

10. Given, 5 advertisements appear every 15 minutes

So, 1 advertisement appears in  $15 \div 5 = 3$  minutes.

4 hours = 240 minutes

Number of advertisements appear in 4 hours =  $240 \div 3 = 80$   
advertisements

54 hours = 3240 minutes

Number of advertisements appear in 54 hours =  $3240 \div 3 =$   
1080 advertisements

## FUN FACT

1. A number that exactly divides a given number is a factor of that number.
2. Multiplication is the inverse operation of division.
3. As per Division algorithm,  
Dividend = Divisor x Quotient +  
Remainder

