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## 5th Grade Division Worksheets

1. Find the missing number:

a.  $\underline{\quad} \div 31 = 30$

b.  $520 \div \underline{\quad} = 20$

2. Choose two numbers from 17, 58, 116, 68 to complete the sentence.

a.  $\underline{\quad} \div \underline{\quad}$  have a quotient 4

b.  $\underline{\quad} \div \underline{\quad}$  have a quotient 2.

3. Divide 4 digit number by 2 digit number and write down the remainder.

a.  $3467 \div 45$     b.  $2038 \div 52$

4. Match the following:

1	$135 \div 9$	a.	10
2	$220 \div 11$	b.	15
3	$84 \div 7$	c.	20
4	$310 \div 31$	d.	12

5. Choose the better estimate:

1.  $3050 \div 100$     a. 300    b. 30

2.  $1089 \div 40$     a. 270    b. 27

6. Max has to pluck 13 flowers from each plant. If he plucked 182 flowers then how many plants are there?

7. In an exam 1 student clear the exam among 18 students. If the total number of students was 720, how many students qualified the exam?
8. Divide 4-digit number by 3-digit number and write down the remainder.  
a.  $3890 \div 370$    b.  $7851 \div 200$
9. Alex scored 125 points in 1 minute in a video game. If he scored 5000 points , how many minutes did he play the game?



10. A comet appears 4 times a year in space. If it appears 600 times till now, from how many years the comet is appearing?



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- Gary Schwartz

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- 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. 930 b. 26
2)	a. $68 \div 17$ b. $116 \div 58$
3)	a. Remainder= 2 b. Remainder= 10
4)	1 - b 2 - c 3 - d 4 - a
5)	1. $b - 30$ 2. $b - 27$
6)	14 plants
7)	40 students
8)	a. Remainder= 190 b. Remainder= 51
9)	40 minutes
10)	150 years

## SOLUTIONS

Complete solution/explanation



1. a.  $\underline{930} \div 31 = 30$   
 b.  $520 \div \underline{26} = 20$

2.  
 a.  $68 \div 17$  have a quotient 4  
 b.  $116 \div 58$  have a quotient 2.

3. a.  $3467 \div 45$

$$\begin{array}{r}
 77 \\
 \hline
 45 \overline{) 3467} \\
 \underline{-315} \quad \downarrow \\
 317 \\
 \underline{-315} \\
 2
 \end{array}$$

So, remainder= 2.

b.  $2038 \div 52$

$$\begin{array}{r}
 39 \\
 \hline
 52 \overline{) 2038} \\
 \underline{-156} \quad \downarrow \\
 478 \\
 \underline{-468} \\
 10
 \end{array}$$

So, remainder= 10

4. 1)  $135 \div 9 = 15$  - (b)

2)  $220 \div 11 = 20$  - (c)

3)  $84 \div 7 = 12$  - (d)

4)  $310 \div 31 = 10$  - (a)

5. 1. 3050 is nearest to 3000, which when divided by 100 gives 30 as the answer. So, 30 - (b) is the correct estimate.

2. 1089 is nearest to 1080, which when divided by 40 gives 27 as the answer. So, 27 - (b) is the correct estimate.

6. Number of plants =  $182 \div 13 = 14$  plants

7. Number of students qualified the exam =  $720 \div 18 = 40$  students.

8. a.  $3890 \div 370$

$$\begin{array}{r} 10 \\ 370 \overline{) 3890} \\ \underline{-370} \phantom{0} \\ 190 \end{array}$$

So, remainder = 190

b.  $7851 \div 200$

$$\begin{array}{r} 39 \\ 200 \overline{) 7851} \\ \underline{-600} \phantom{0} \\ 1851 \\ \underline{-1800} \\ 51 \end{array}$$

So, remainder = 51

9. Number of minutes Alex played the game =  $5000 \div 125 = 40$  minutes.

10. In one year, a comet appears 4 times.

So, the number of years in which the comet appeared 600 times =  $600 \div 4 = 150$  years.

## FUN FACT

1. The oblique bar  $'/'$  used to denote division was introduced in 1845 by De Morgan, a British Mathematician.
2. Division does not hold commutative property, i.e  $a \div b$  is not equal to  $b \div a$ .
3. Dividing any number by 0 is undefined.

