

# Mathematics

## Division

### Practice Questions

Complete these division sums and write any remainders as a fraction in its lowest form

a)  $875 \div 7 =$  \_\_\_\_\_

b)  $345 \div 15 =$  \_\_\_\_\_

c) Use the rule 'divide by 2 and add 7' and write in the following numbers:

6  $\longrightarrow$  10

1  $\longrightarrow$  \_\_\_\_\_

7  $\longrightarrow$  \_\_\_\_\_

\_\_\_\_\_  $\longrightarrow$  **39**

Solve the following:

e)  $2 \frac{1}{2} \div 8 =$  \_\_\_\_\_

f)  $2 \frac{1}{4} \div 4 =$  \_\_\_\_\_

g)  $4.5 \div 0.15 =$  \_\_\_\_\_

h)  $9.1 \div 1.3 =$  \_\_\_\_\_

Mr Weston and his 7 fellow bus drivers scooped the jackpot on Saturday's lottery! They shared a massive £1.6 million! How much will Mr Weston receive?



### What do I do?



Answer the questions carefully. Some questions may require more than one step.

### Top Tips!



You might be asked to:

- Divide numbers up to 1,000,000
- One-step division problems
- Two-step division problems
- Division involving fractions, mixed numbers or decimal amounts

### What skills do I need to improve?



Doing lots of practice questions will help with becoming familiar with question types but what else can you do to improve in this area?

- Ensure that you know all multiplication tables and their related division facts
- Ensure that you can divide fractions and decimals
- Revise division vocabulary as these words can sometimes cause confusion!

How many different division key words can you think of?  
(Think about words that may be used in word problems!)



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### Answers

a) 125

b) 23

c) 10 (completed for you)

7.5

10.5

64

e)

$$2\frac{1}{2} \div 8$$

$$= \frac{5}{2} \div 8$$

$$= \frac{5}{2} \times \frac{1}{8}$$

$$= \frac{5 \times 1}{2 \times 8}$$

$$= \frac{5}{16}$$

f)

$$2\frac{1}{4} \div 4$$

$$= \frac{9}{4} \div 4$$

$$= \frac{9}{4} \times \frac{1}{4}$$

$$= \frac{9 \times 1}{4 \times 4}$$

$$= \frac{9}{16}$$

g) 30  
h) 7

**Mr Weston will receive £200,000.**

Mr Weston plus 7 others = 8 people  
 $1,600,000 \div 8 = 200,000$



**Division key words:** divide, share, group, divisible by, share equally, between, each, every, goes into...

