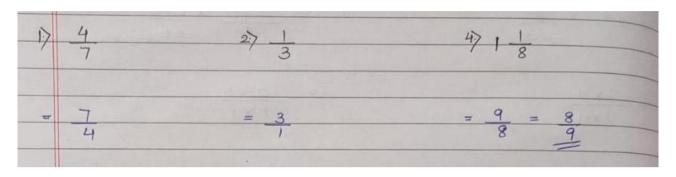
# **Ouick Assessment**

## Page No-96

Write the reciprocals of the following fractions.

	1.	2.	3.	4.
Fraction	$\frac{4}{7}$	$\frac{1}{3}$	$\frac{2}{7}$	$1\frac{1}{8}$
Reciprocal	6			

#### **Solutions:-**



# In Quick Assessment Q3 is homework.



# Page No-99

Find the quotient in the simplest form.

1. 
$$7 \div \frac{1}{5}$$

5. 
$$\frac{7}{5} \div \frac{7}{5}$$

9. 
$$1 \div 3\frac{2}{7}$$

13. 
$$2\frac{2}{3} \div 1\frac{2}{3}$$

**17.** 
$$3\frac{3}{17} \div 2\frac{6}{51}$$
 **18.**  $3\frac{22}{38} \div 1\frac{18}{57}$ 

2. 
$$18 \div \frac{3}{5}$$

6. 
$$\frac{21}{28} \div \frac{14}{3}$$

10. 
$$8\frac{4}{7} \div \frac{4}{21}$$

14. 
$$16\frac{1}{2} \div 2\frac{3}{4}$$

18. 
$$3\frac{22}{38} \div 1\frac{18}{57}$$

2. 
$$18 \div \frac{3}{5}$$
3.  $\frac{7}{9} \div 7$ 
4.  $\frac{8}{21} \div \frac{7}{3}$ 
6.  $\frac{21}{28} \div \frac{14}{3}$ 
7.  $0 \div 5\frac{7}{11}$ 
8.  $4\frac{1}{2} \div 18$ 
10.  $8\frac{4}{7} \div \frac{4}{21}$ 
11.  $2\frac{3}{4} \div 1\frac{1}{4}$ 
12.  $1010 \div 3\frac{1}{3}$ 
13.  $16\frac{1}{2} \div 2\frac{3}{4}$ 
15.  $16 \div 2\frac{2}{15}$ 
16.  $1\frac{11}{15} \div 1\frac{4}{35}$ 

7. 
$$0 \div 5\frac{7}{11}$$

11. 
$$2\frac{3}{4} \div 1\frac{1}{4}$$

15. 
$$16 \div 2\frac{2}{15}$$

8. 
$$4\frac{1}{2} \div 18$$

12. 
$$1010 \div 3\frac{1}{3}$$

16. 
$$1\frac{11}{15} \div 1\frac{4}{35}$$

### **Solutions:-**

7 - 1 5	3) 7 ÷ 7
= 7 × 5	$=\frac{7}{9}\times\frac{1}{7}$
= 35	$= \frac{1 \times 1}{9 \times 1}$
= 35	= 1

11) 23 = 11	127 1010 ÷ 3 1
= 11 ÷ 5	= 1010 + 10
= 11 x 4 5	= 1010 X 3
= 11 x 1 1 x 5	$= \frac{101 \times 3}{1 \times 1}$
= 11 = 2 - 5	= 303 = 303
14) 16 1 = 2 3 4	18) 3 22 ÷ 1 18 38 57
= 33 ÷ 11 2 4	= <u>136</u> ÷ <u>75</u> 38 57
$= \frac{3}{33} \times \frac{4^{2}}{11}$	$= \frac{68}{136} \times \frac{3}{57}$ $= \frac{136}{38} \times \frac{57}{75}$
= 3 X 2 1 X I	= 68XI 1X25
= 6 = 6	= 68 = 2 18 25 25

In this Q2, Q5, Q8, Q10, Q13, Q15, Q16, Q17 are homework.

Self Practice- 8E is omitted (page no-99)



1. Find:

(a) 
$$\frac{4}{22}$$
 of 88

(b) 
$$\frac{3}{7}$$
 of 35

(c) 
$$\frac{1}{8}$$
 of 64

(a) 
$$\frac{4}{22}$$
 of 88 (b)  $\frac{3}{7}$  of 35 (c)  $\frac{1}{8}$  of 64 (d)  $\frac{1}{210}$  of 3000

#### **Solution 1:-**

(a) 
$$\frac{4}{22}$$
 of 88

=  $\frac{4}{22}$  ×  $\frac{38}{4}$  =  $\frac{3}{7}$  ×  $\frac{35}{7}$ 

=  $\frac{4\times 4}{1\times 1}$  =  $\frac{3\times 5}{1\times 1}$ 

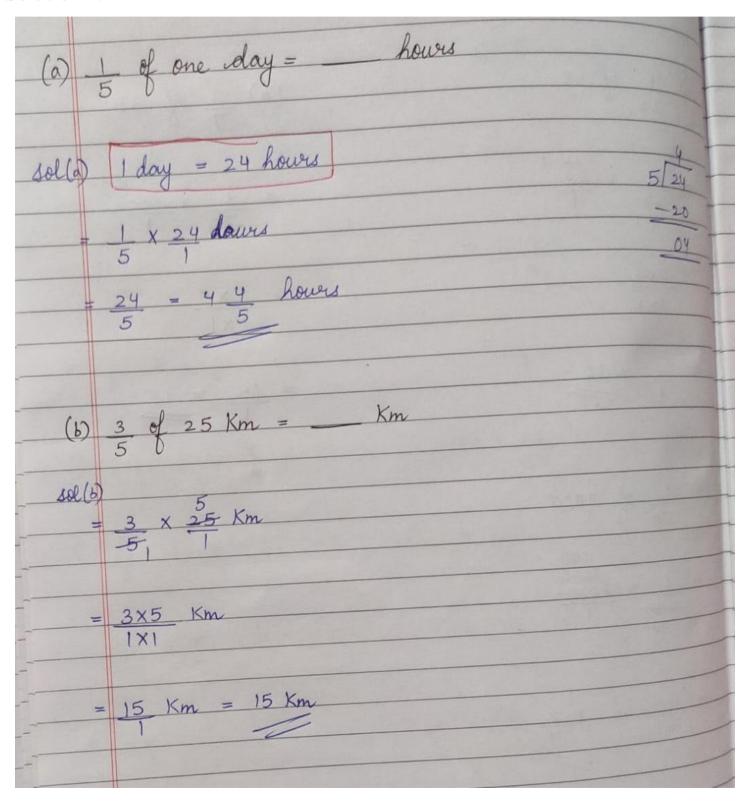
=  $\frac{16}{1}$  =  $\frac{16}{1}$  =  $\frac{15}{1}$  =  $\frac{15}{1}$  =  $\frac{15}{1}$  =  $\frac{15}{1}$  =  $\frac{15}{1}$  =  $\frac{15}{1}$  =  $\frac{16}{1}$  =  $\frac{1}{1}$  =  $\frac{$ 

In Q1. (c) is homework.

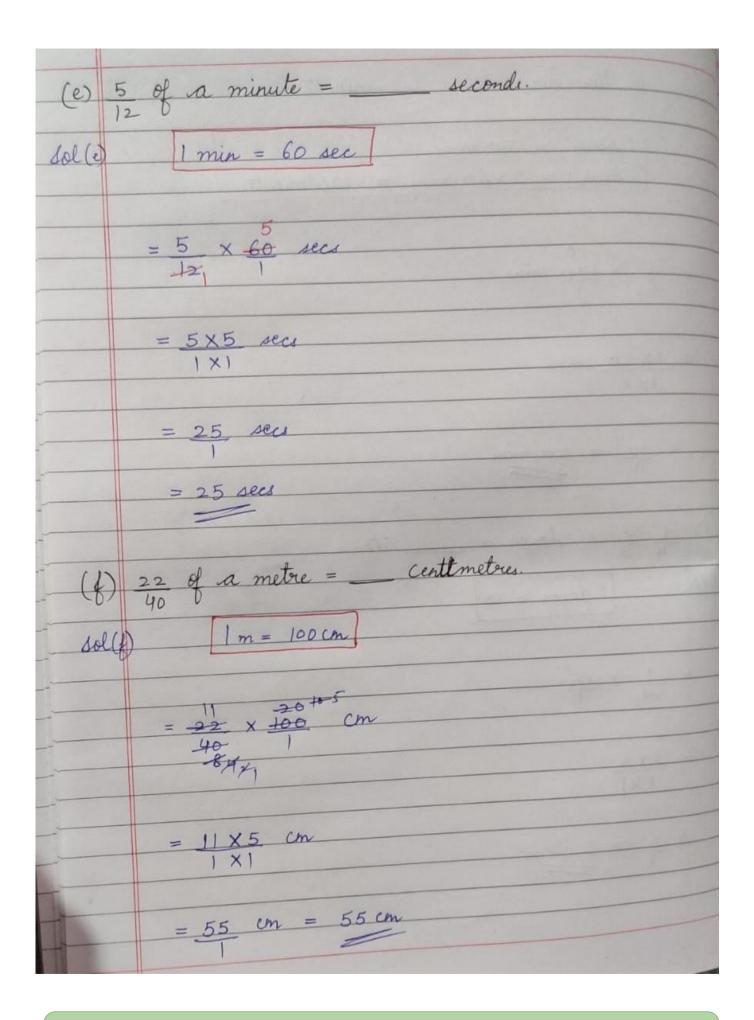
### 2. Fill in the blanks.

- (a)  $\frac{1}{5}$  of one day = \_\_\_\_\_ hours. (b)  $\frac{3}{5}$  of 25 km = \_\_\_\_ km.
- (c)  $\frac{1}{6}$  of two hours = \_\_\_\_\_ minutes. (d)  $\frac{1}{4}$  of a dozen = \_\_\_\_\_ items.
- (e)  $\frac{5}{12}$  of a minute = \_\_\_\_\_ seconds. (f)  $\frac{22}{40}$  of a metre = \_\_\_\_ centimetres.

### **Solution 2:-**



(c) 1 of two hours = \_\_\_ minutes dol(c) I hour = 60 mins 2 hour = 2 × 60 mins = 120 minutes 1 × 120 mins 1×20 mine (d) 4 of a dozen = 12 items sol (d) 1 X 123 = 3 = 3 items



In this exercise Q3, Q4 and Q5 are omitted.