

1. **ANSWERS**

a.  $\frac{4}{5}$  Explanation:  $\frac{4}{5}, \frac{5}{6}, \frac{5}{3}, \frac{5}{2}$ ,  
 $\frac{5}{2}$  lcm of

denominator  $(5, 6, 3, 2) = 30$

$$\frac{4}{5}, \frac{5}{6}, \frac{5}{3}, \frac{5}{2} = \frac{24, 25, 50, 75}{30}$$

smaller fraction =  $\frac{24}{30}$  i.e.  $\frac{4}{5}$

2.

c.

$1\frac{7}{9}$  Explanation:  $16 \div 9$

quotient is 1 which is a whole  
 number and remainder is 7

which is a numerator of a proper  
 fraction and denominator of  
 proper fraction is 9 so mixed

fraction =  $1\frac{7}{9}$

3.

b.

$\frac{3}{4}$  Explanation: 1 hour = 60

minutes  $\frac{45}{60} = \frac{45 \div 15}{60 \div 15} = \frac{3}{4}$

4.

b. >

Explanation: denominator is 101

$$\text{so } \frac{17}{101} > \frac{12}{101}$$

5.

d.  $\frac{10}{16}$  Explanation: Total part = 16,  
shaded part = 10

$$\text{Fraction} = \frac{10}{16}$$

6.

a.  $\rightarrow$  (iv)

4 parts are shaded out of 5  
parts.

Therefore, the shaded portion

$$= \frac{4}{5}$$

b.  $\rightarrow$  (i)

5 parts are shaded out of 9  
parts.

Therefore, the shaded portion

$$= \frac{5}{9}$$

c.  $\rightarrow$  (ii)

c.  $\rightarrow$  (ii)

3 parts are shaded out of 6 parts.

Therefore, the shaded portion

$$= \frac{3}{6} = \frac{3 \div 3}{6 \div 3} = \frac{1}{2}$$

d.  $\rightarrow$  (iii)

1 part is shaded out of 3 parts.

Therefore, the shaded portion

$$= \frac{1}{3}$$

## Answer

1. c. 1.5

Explanation: S lies after 1 and fifth part toward right. So the decimal number represented by the points S on the given number line is 1.5.

2. d. 0.003

Explanation:  $1000 \text{ g} = 1 \text{ kg}$

$$3 \text{ g} = \frac{3}{1000} \text{ kg} = 0.003 \text{ kg}$$

3. b. 0.65

Explanation:  $0.29 + 0.36 = 0.65$

4. d. 38.27

Explanation:  $31.24 + 7.03 = 38.27$

5. d. 8.47

Explanation:  $1.24 + 7.23 = 8.47$

6. a. → iii

$$100 \text{ cm} = 1 \text{ m}$$

$$\text{so, } 5 \text{ cm} = \frac{5}{100} \text{ m}$$

$$\text{Therefore, } 2 \text{ m } 5 \text{ cm} = 2 \text{ m} + \frac{5}{100} \text{ m}$$

$$= 2 \text{ m} + 0.05 \text{ m}$$

$$= 2.05 \text{ m}$$

- b. → iv

$$1 \text{ km} = 1000 \text{ m}$$

$$14.035 \text{ km} = 14.035 \times 1000 \text{ m}$$

$$= 14035 \text{ m}$$

$$= 14000 \text{ m} + 35 \text{ m}$$

$$= 14 \text{ km} + 35 \text{ m} = 14 \text{ km } 35 \text{ m.}$$

- c. → i

$$1 \text{ Rupee} = 100 \text{ paise}$$

$$\text{Rs. } 20.15 = 20.15 \times 100 \text{ p}$$

$$= 2015 \text{ paise}$$

$$= 2000 \text{ paise} + 15 \text{ paise}$$

$$= 20 \text{ Rupees} + 15 \text{ paise} = 20 \text{ Rupees } 15 \text{ paise.}$$

- d. → ii

$$100 \text{ paise} = 1 \text{ Rupee}$$

$$50 \text{ paise} = \text{Rs. } \frac{50}{100} = \text{Rs. } 0.50.$$