

Class:6

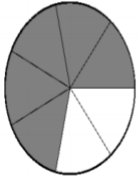
Subject: Mathematics

Chapter: Fractions

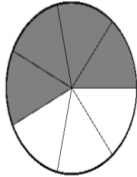
ANSWER KEY

Write the fraction of the shape that is shaded:

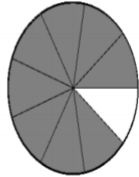
1)



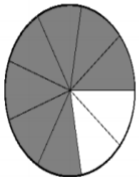
2)



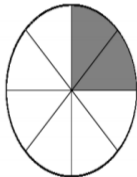
3)



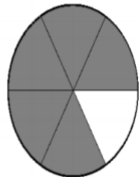
4)



5)



6)



Q1. Answer.

1. $5/7$

2. $4/7$

3. $8/9$

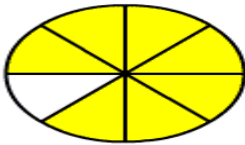
4. $7/9$

5. $2/8$

6. $5/6$

Circle the correct fraction from the given choices.

1.

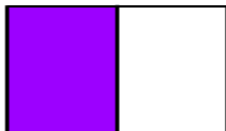


$\frac{7}{8}$

$\frac{5}{7}$

$\frac{6}{8}$

2.



$\frac{1}{2}$

$\frac{4}{6}$

$\frac{2}{3}$

3.

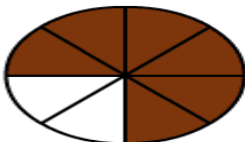


$\frac{3}{4}$

$\frac{2}{3}$

$\frac{3}{6}$

4.



$\frac{2}{3}$

$\frac{6}{8}$

$\frac{1}{2}$

Q3. What fraction of a year is 4 months?

Answer- $4/12$

= $1/3$ months

Q4. What fraction of a day is 8 hours?

Answer- $8/24$

= $1/3$ hours.

Q5. In a box of 84 mangoes 12 mangoes are rotten. What fraction of mangoes are

i. Fresh ii. Rotten

Answer : Total number of mangoes = 84

Number of rotten mangoes = 12

Therefore, number of fresh mangoes = $84 - 12 = 72$

i) Fraction of rotten mangoes = $12 / 84 = 1/7$

ii) Fraction of fresh mangoes = $72/84 = 6/7$

Proper fraction

A fraction where the numerator (the top number) is less than the denominator (the bottom number).

Example: $1/4$ (one quarter) and $5/6$ (five sixths) are proper fractions.

Q6. Which of the following is proper fraction?

a. $14/15$

b. $7/9$

c. $25/3$

d. $5/18$

Answer: a,b,d -are proper fractions.

Q7. Which of the following is improper fraction?

a. $5/2$

b. $7/9$

c. $30/21$

d. $4/9$

Answer: a, c - are improper fractions.

Q8. Express the following as mixed fraction.

For Example Q3. $\frac{36}{10}$

$$= \frac{18}{5}$$

$$= 3 \frac{3}{5} \text{ Answer}$$

Convert.

$$1. \frac{113}{12} = 9 \frac{5}{12}$$

$$2. \frac{19}{2} = 9 \frac{1}{2}$$

$$3. \frac{36}{10} = 3 \frac{3}{5}$$

$$4. \frac{75}{12} = 6 \frac{1}{4}$$

$$5. \frac{50}{8} = 6 \frac{1}{4}$$

$$6. \frac{52}{10} = 5 \frac{1}{5}$$

$$7. \frac{13}{3} = 4 \frac{1}{3}$$

$$8. \frac{39}{4} = 9 \frac{3}{4}$$

$$9. \frac{68}{10} = 6 \frac{4}{5}$$

$$10. \frac{27}{5} = 5 \frac{2}{5}$$

$$11. \frac{53}{8} = 6 \frac{5}{8}$$

$$12. \frac{72}{10} = 7 \frac{1}{5}$$

Q9. Express the following as improper fraction.

For Example 1. $\frac{7 \times 5 + 3}{5} = \frac{35+3}{5} = \frac{38}{5}$ Answer

5

5

Convert.

$$1. 7 \frac{3}{5} = \frac{38}{5}$$

$$2. 6 \frac{5}{8} = \frac{53}{8}$$

$$3. 9 \frac{2}{10} = \frac{46}{5}$$

$$4. 2 \frac{2}{4} = \frac{5}{2}$$

$$5. 6 \frac{1}{9} = \frac{55}{9}$$

$$6. 5 \frac{5}{7} = \frac{40}{7}$$

$$7. 3 \frac{1}{8} = \frac{25}{8}$$

$$8. 3 \frac{3}{12} = \frac{13}{4}$$

$$9. 6 \frac{1}{11} = \frac{67}{11}$$

$$10. 4 \frac{3}{4} = \frac{19}{4}$$

$$11. 8 \frac{9}{12} = \frac{35}{4}$$

$$12. 9 \frac{2}{8} = \frac{37}{4}$$

Q10. Homework.

Exercise 5.1 from Textbook Page 78. Q7.

Answer-

Mrs Aarti has= 20 pencils

She gave to Bharti = $\frac{1}{4} \times 20 = 5$ pencils.

Therefore, Bharti got = 5 pencils

Aarti left with = $20 - 5 = 15$ pencils

Exercise 5.3 from Textbook Page 83. Q3.

i. $\frac{6}{11}$

ii. $\frac{7}{13}$

iii. $\frac{0}{9}, \frac{1}{8}, \frac{2}{7}, \frac{3}{6}, \frac{4}{5}$

Five

Numerator + Denominator = 9

$$0 + 9 = 9$$

$$1 + 8 = 9$$

$$2 + 7 = 9$$

$$3 + 6 = 9$$

$$4 + 5 = 9$$