

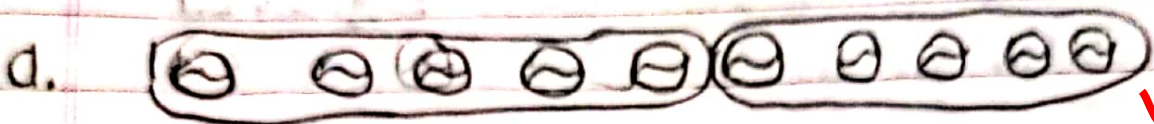
Name: Shrayaj Shrinivas Deshatwar

Roll No.: 35

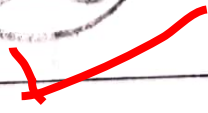
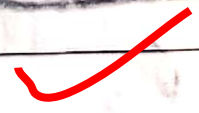
Class: 3rd Vindhya Section: D

Exercise 6.1 Fractions

1. Make 2 equal groups for each of the following



2. Make 4 equal groups for each of the following



Fractions

Exercise 6.2

1. Write the numerator and denominator of the following fractions.

a. $\frac{3}{9}$ 3 = numerator
 9 = denominator

b. $\frac{6}{11}$ 6 = numerator
 11 = denominator

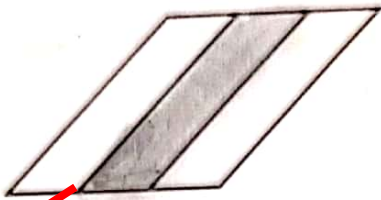
c. $\frac{12}{18}$ 12 = numerator
 18 = denominator

d. $\frac{9}{13}$ 9 = numerator
 13 = denominator

e. $\frac{7}{12}$ 7 = numerator
 12 = denominator

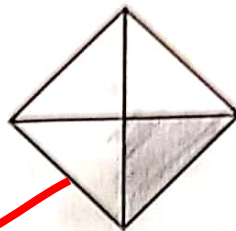
2. Colour the figure to show the given fractions.

a.



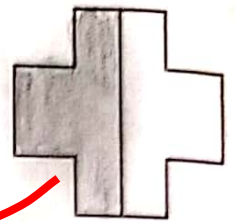
$\frac{1}{3}$

b.



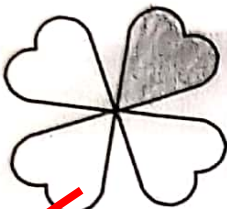
$\frac{1}{4}$

c.



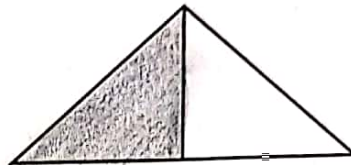
$\frac{1}{2}$

d.



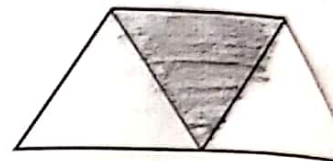
$\frac{1}{4}$

e.



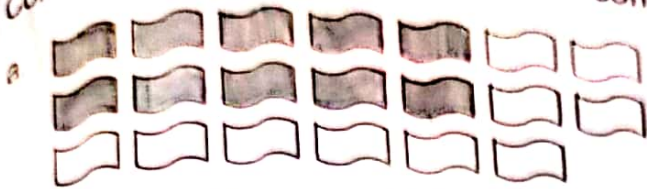
$\frac{1}{2}$

f.

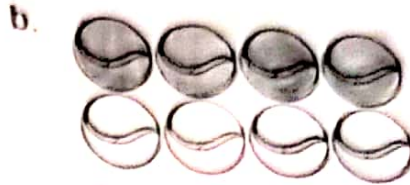


$\frac{1}{3}$

3. Colour one-half of the collection and complete the statement.

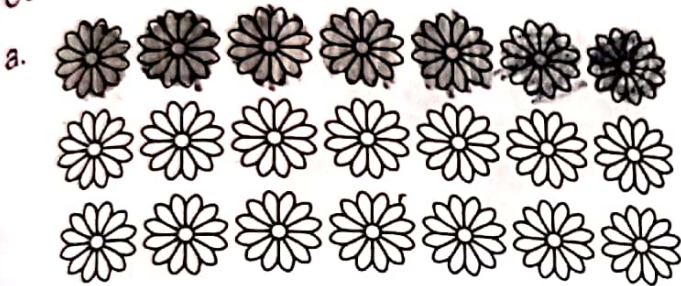


$\frac{1}{2}$ of 20 is 10 ✓



$\frac{1}{2}$ of 8 is 4 ✓

4. Colour one-third of the collection and complete the statement.

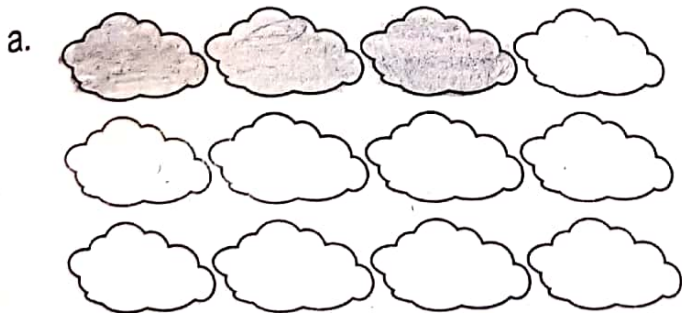


$\frac{1}{3}$ of 21 is 7 ✓

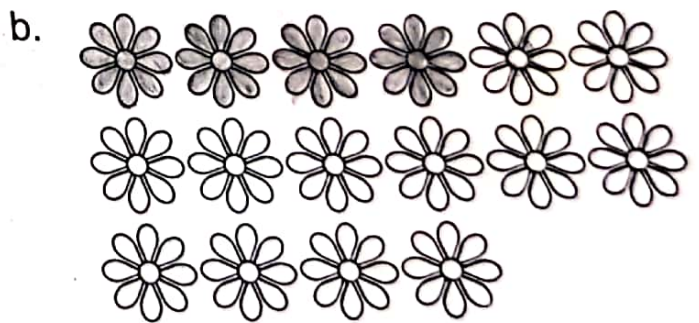


$\frac{1}{3}$ of 18 is 6 ✓

5. Colour one-fourth of the collection and complete the statement.



$\frac{1}{4}$ of 12 is 3 ✓



$\frac{1}{4}$ of 16 is 4 ✓

6. Find the following

a. $\frac{1}{2}$ of 22 = $22 \div 2 = 11$

$$\begin{array}{r} 11 \\ 2 \overline{) 22} \\ \underline{-22} \\ 00 \end{array}$$

b. $\frac{1}{3}$ of 15 = $15 \div 3 = 5$

$$\begin{array}{r} 5 \\ 3 \overline{) 15} \\ \underline{-15} \\ 00 \end{array}$$

c. $\frac{1}{4}$ of 28 = $28 \div 4 = 7$

$$\begin{array}{r} 7 \\ 4 \overline{)28} \\ \underline{-28} \\ 00 \end{array}$$


d. $\frac{1}{3}$ of 21 = $21 \div 3 = 7$

$$\begin{array}{r} 7 \\ 3 \overline{)21} \\ \underline{-21} \\ 00 \end{array}$$

e. $\frac{1}{2}$ of 18 = $18 \div 2 = 9$

$$\begin{array}{r} 9 \\ 2 \overline{)18} \\ \underline{-18} \\ 00 \end{array}$$

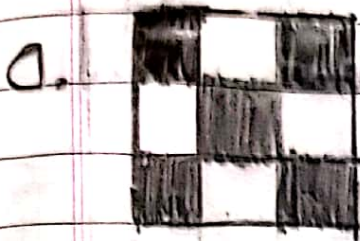
f. $\frac{1}{4}$ of 16 = $16 \div 4 = 4$

$$\begin{array}{r} 4 \\ \overline{4 \ 16} \\ -16 \\ \hline 00 \end{array}$$


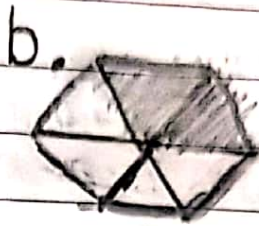
Exercise 6.3

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1. Write the fraction of the shaded parts.



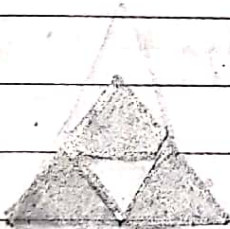
$$\frac{3}{5}$$



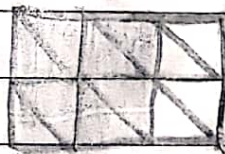
$$\frac{2}{6}$$



$$\frac{4}{8}$$

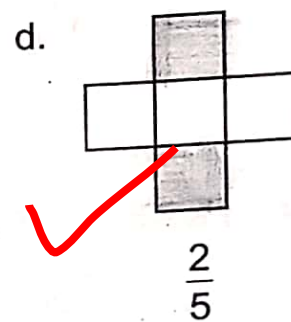
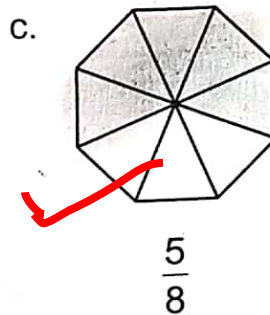
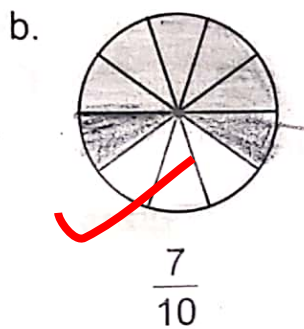
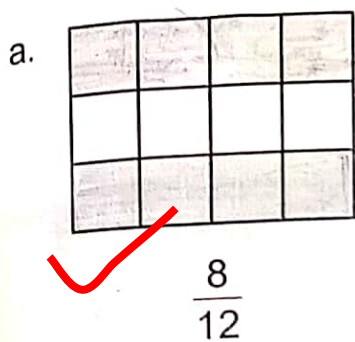


$$\frac{3}{4}$$



$$\frac{8}{9}$$

2. Colour the figure to show the given fractions.



Exercise 6.3

Q3. Write the given fraction in words.

a. $\frac{2}{3}$ two-third ✓ b. $\frac{3}{5}$ Three-fifth ✓

b. $\frac{4}{7}$ four-seventh ✓ d. $\frac{5}{8}$ five-eighth ✓

Q4. Write the given fractions in figures.

a. One-eighth b. Two-fifth c. Five-sixth

$$\frac{1}{8} \quad \checkmark$$

$$\frac{2}{5} \quad \checkmark$$

$$\frac{5}{6} \quad \checkmark$$

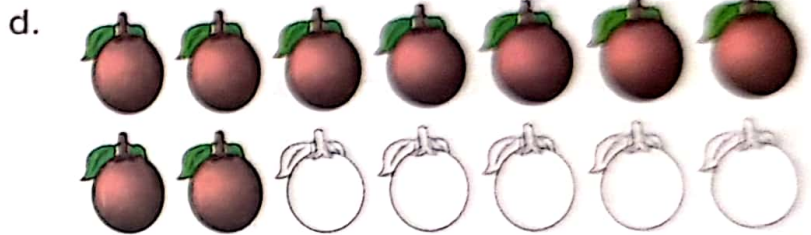
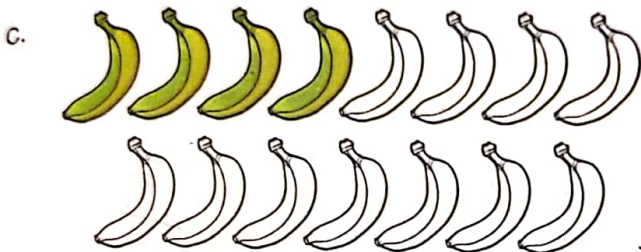
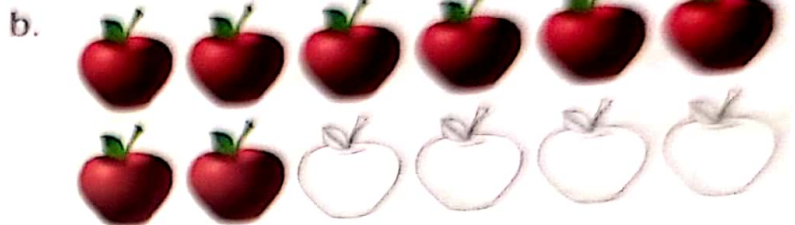
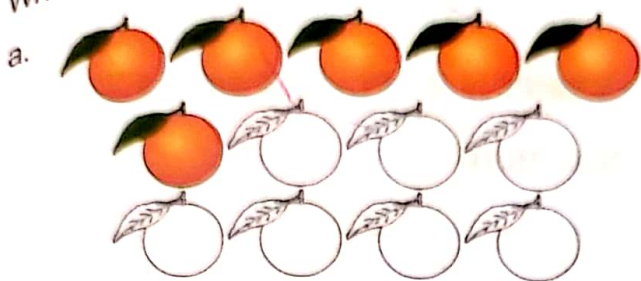
d. Eight-twelfth e. Eleven-sixteenth

$$\frac{8}{12} \quad \checkmark$$

$$\frac{11}{16} \quad \checkmark$$

d. 2/9

5. Write the fraction for the shaded and unshaded parts.



Q5. Write the fraction for the shaded and unshaded parts.

a. shaded fraction = $\frac{6}{13}$ unshaded part = $\frac{7}{13}$

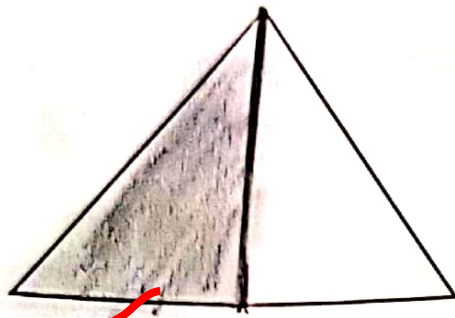
b. shaded part = $\frac{8}{12}$ unshaded part = $\frac{4}{12}$

c. shaded part = $\frac{4}{15}$ unshaded part = $\frac{11}{15}$

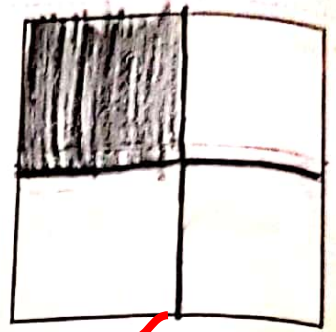
d. shaded part = $\frac{9}{14}$ unshaded part = $\frac{5}{14}$

Revision Exercise

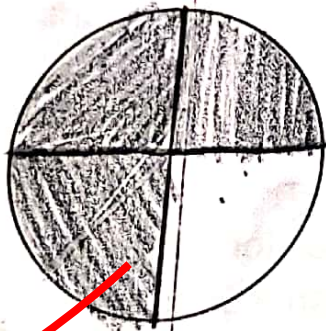
1. Divide the given shapes and shade them to show the given fraction.



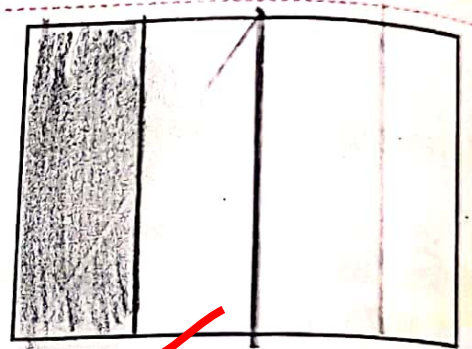
$$\frac{1}{2}$$



$$\frac{1}{4}$$

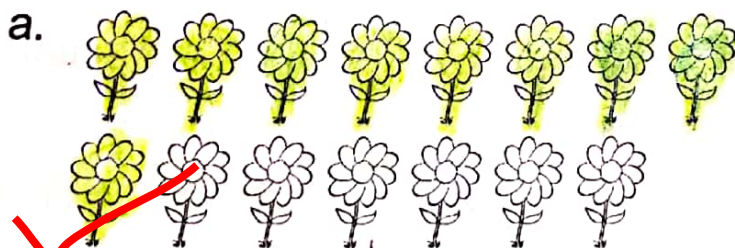


$$\frac{3}{4}$$

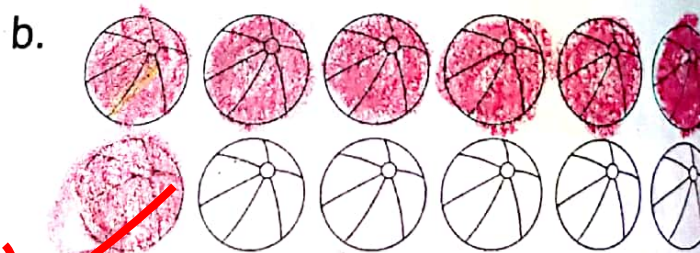


$$\frac{1}{3}$$

2. Colour the following to show the given fraction.



$$\frac{9}{15}$$



$$\frac{7}{12}$$



$$\frac{3}{9}$$



$$\frac{4}{11}$$

Revision Exercise

3. Write the numerator and denominator for each of the fraction.

a. $\frac{3}{5}$ numerator = 3 ✓

denominator = 5

b. $\frac{4}{7}$ numerator = 4 ✓

denominator = 7

c. $\frac{10}{15}$ numerator = 10 ✓

denominator = 15

d. $\frac{11}{26}$ numerator = 11 ✓

denominator = 23

e. $\frac{6}{28}$ numerator = 6 ✓

denominator = 28

4. Fill in the blanks

a. $\frac{1}{3}$ of 12 = $\frac{12 \div 3 = 4$ ✓

b. $\frac{1}{2}$ of 20 = $\frac{20 \div 2 = 10$ ✓

c. $\frac{1}{4}$ of 24 = $\frac{24 \div 4 = 6$ ✓

d. $\frac{1}{4}$ of 32 = $\frac{32 \div 4 = 8$ ✓

e. $\frac{1}{3}$ of 27 = $\frac{27 \div 3 = 9$ ✓

f. $\frac{1}{2}$ of 16 = $\frac{16 \div 2 = 8$ ✓

5. Observe the circle given alongside and answer the following questions.

a. What fraction of the circle is green?

Ans. $\frac{1}{8}$ ✓

b. What fraction of the circle is yellow?

Ans. $\frac{3}{8}$ ✓

c. What fraction of the circle is purple?

Ans. $\frac{2}{8}$ ✓

d. What fraction of the circle is red?

Ans. $\frac{2}{8}$ ✓

6. Express the following as fraction?

a. Write the fraction for 14 out of 20 marks in a test.

Ans. $\frac{14}{20}$ ✓

b. Write the fraction for 12 out of 27 apples are rotten.

Ans. $\frac{12}{27}$ ✓

c. Write the fractions for 26 out of 50 students are girls.

Ans. $\frac{26}{50}$



JM