

REVISION-FRACTION CLASS-VII

[To receive 5 stars, required drawing (if required), procedure, statement, calculate fraction & representation. Check you star rating from your teacher]. It is not necessary to complete them in one period.

Revision on fraction – Question number 01

Students do you know about drama coin? If not then go to the end of this revision paper.

In 1150 CE a miser gave to a beggar $\frac{1}{5}$ of $\frac{1}{16}$ of $\frac{1}{4}$ of $\frac{1}{2}$ of $\frac{2}{3}$ of $\frac{3}{4}$ of a drama.

- (i) How many cowrie shells were given by the miser to the beggar?
- (ii) 8 mashakas is how much part of 1 gold dinar?
- (iii) If you have 60 gold dinar, can you say the amount of Indian currency you have today?
[Remember rate of gold changing regularly based on global trade]
- (iv) 60 gold coins = how many cowrie shells?

Revision on fraction – Question number 02

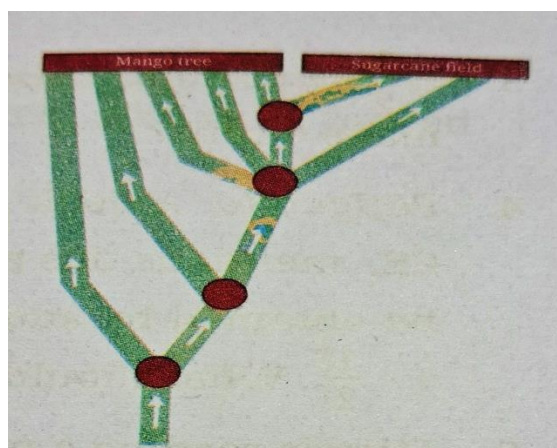
Find the angle between hour and minute hand at 4: 35 p. m. in analog watch. Find it is what fraction of a complete angle.

Revision on fraction – Question number 03

Mariam's grandmother baked a cake. mariam and her cousins finished $\frac{4}{5}$ of the cake. the remaining cake was shared equally by Mariam's three friends. how much of the cake did each friend get? Draw a circular cake and shade the approximate area of the cake received by each friend.

Revision on fraction – Question number 04

A colony of ants set out in search of food. As they search, they keep splitting equally at each point as shown in fig. and reach two food sources, one near a mango tree and another near a sugarcane field. What fraction of the original group reached each food source?



Revision on a tale of three intersecting lines – Question number 05

Construct a triangle TRY with $RY = 4$ cm, $TR = 7$ cm, $\angle R = 140^\circ$. Construct an altitude from T to RY. What you can say about the remaining two angles of that triangle?

Revision on a tale of three intersecting lines – Question number 06

Is it possible to construct an isosceles right angled triangle? If possible show by proper construction considering the side length of your choice. Is it possible to construct the isosceles triangle with side length a natural number and the hypotenuse also will be a natural number? Explain your answer.

Revision on number play – Question number 07

Solve the cryptarithms – (i) $YY + Z = ZOO$ (ii) $UT + TA = TAT$

Revision on number play – Question number 08

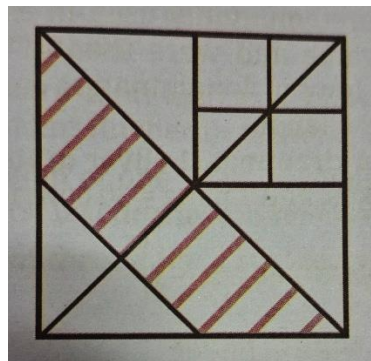
Rangan wants to climb an 8 step staircase. His playful rule is that he can take either 1 step or 2 steps at a time. For example , one of his paths is 1,2,2,1,2. In how many diffeent ways can he reach the top?

Revision on fraction – Question number 09

Write in descending order – $\left(\frac{1}{3}, \frac{2}{3}, \frac{3}{4}, \frac{7}{10}\right)$ of an hour

Revision on fraction – Question number 10

Find the fraction of the big square that the shaded region occupies. Show the steps.



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A dramma is an ancient and medieval coin denomination used in India, derived from the Greek word drachma, which entered Indian trade and vocabulary through Indo – Greek interactions. 1 dramma equivalent to 1280 cowrie shells. 1 gold dinar = 12 silver drammās. 1 silver dramma = 4 copper panas, 1 copper pana = 6 mashakas & 1 pana = 30 cowrie shells. A standard 1 dinar gold coin weighs 4.25 grams.

				
dramma coin	cowrie shells	gold dinar	panas	mashakas

400 BCE to 1200 CE