

2. Revise all syllabus done till now.
3. Do the following worksheet.



WORKSHEET 16



Profit, Loss and Simple Interest

DATE :

1. Choose the correct option. (MCQ's)

- (i) An article is bought for ₹ 600 and sold for ₹ 840. The profit per cent is
 (a) 60% (b) 35% (c) 40% (d) 48%
- (ii) After selling a computer set for ₹ 40000, a shopkeeper earns a profit of $11\frac{1}{9}\%$. The cost price of the computer for the shopkeeper is
 (a) ₹ 33500 (b) ₹ 36000 (c) ₹ 38500 (d) ₹ 37600
- (iii) A car is bought for ₹ 3,20,000 and sold at a loss of 25%. The selling price of the car is
 (a) ₹ 2,60,000 (b) ₹ 2,56,000 (c) ₹ 2,40,000 (d) ₹ 2,36,000
- (iv) If an article having cost price ₹ 120 is sold at a loss of 20%, its selling price is
 (a) ₹ 96 (b) ₹ 104 (c) ₹ 105 (d) ₹ 104.50
- (v) The simple interest on ₹ 1500 for a period of 16 months at 13% per annum is
 (a) ₹ 320 (b) ₹ 205 (c) ₹ 360 (d) ₹ 260
- (vi) A man deposited ₹ 2500 in a bank for 73 days. If the simple interest is paid at 14% per annum, the amount to be received at the end is
 (a) ₹ 2800 (b) ₹ 2570 (c) ₹ 2760 (d) ₹ 2690

2. Fill in the blanks :

- (i) The price for which an article is purchased is called the
- (ii) The price for which an article is sold is called the
- (iii) Profit = S.P. - (iv) Loss = C.P. -
- (v) Profit % = $\frac{\text{Profit} \times 100}{\dots\dots\dots}$ (vi) Loss % = $\frac{\text{Loss} \times 100}{\dots\dots\dots}$

3. An article is bought for ₹ 20 and sold for ₹ 25. Find profit percent.

4. A man purchased an article for ₹ 600 and sold it for ₹ 550. Find loss %.

5. What is the interest on ₹ 100 at 15% per annum for 1 year ?

Teacher's Signature :



WORKSHEET 24



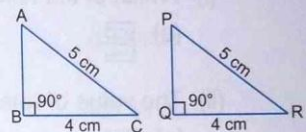
Congruent Figures

DATE :

1. Choose the correct option. (MCQ's)

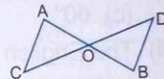
(i) In the following Fig., $\triangle ABC \cong \triangle PQR$. Which of the following congruence conditions can be used for the congruence of the two triangles ?

- (a) SSS
- (b) RHS
- (c) SAS
- (d) All of these



(ii) In the following Fig., O is the mid-point of AB and CD. By using which of the following congruence conditions $\triangle AOC \cong \triangle BOD$?

- (a) SSS
- (b) SAS
- (c) ASA
- (d) RHS



2. Fill in the blanks :

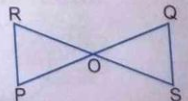
- (i) Two line segments are congruent, if they have the same
- (ii) Two angles are congruent, if they have the same,
- (iii) Two squares are congruent, if they have the same side
- (iv) Two circles are congruent, if they have the same

3. Write 'true' or 'false' for each of the following :

- (i) Two figures are congruent, if they have the same shape and size.
- (ii) Two rectangles are congruent, if they have the same side length.
- (iii) Two angles are congruent, if they have same length of arms.
- (iv) The corresponding parts of congruent triangles are equal.
- (v) Two triangles are congruent, if the three sides of one triangle are respectively equal to the three sides of the other triangle.
- (vi) Two triangles are congruent, if two sides and an angle of one triangle are equal to the two sides and an angle of the other respectively.
- (vii) Two triangles are congruent, if two angles and the included side of the one triangle are equal to the two angles and the included side of the other respectively.

4. In the following Fig., line segments PQ and RS bisect each other at O. Which of the following statements is true ?

- (i) $\triangle POR \cong \triangle SOQ$
- (ii) $\triangle POR \cong \triangle QOS$
- (iii) $\triangle POR \cong \triangle OSQ$



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Solution of Linear Equations

DATE :

1. Choose the correct option. (MCQ's)

- (i) If $2x - (-1) = 3$, the value of x is
 (a) 2 (b) -2 (c) -1 (d) 1
- (ii) On solving $3(3x - 10) = 2x + 5$, the solution is
 (a) $x = 5$ (b) $x = \frac{1}{3}$ (c) $x = \frac{1}{5}$ (d) $x = 3$
- (iii) If $5a - \frac{3}{4} = 2a - \frac{2}{3}$, then $a =$
 (a) $\frac{1}{4}$ (b) $\frac{1}{36}$ (c) 4 (d) $\frac{1}{12}$
- (iv) On solving $\frac{x+1}{x-1} = \frac{9}{7}$, we get
 (a) $x = 10$ (b) $x = 8$ (c) $x = 6$ (d) $x = 7$

2. Fill in the blanks :

- (i) If $5x = 5$, then $x =$
- (ii) If $\frac{2}{3}x = \frac{4}{3}$, then $x =$
- (iii) If $x + 1 = 4$, then $x =$
- (iv) If $x + 1 = 5$, then $x =$
- (v) If $x - 1 = 4$, then $x =$
- (vi) If $1 - x = -2$, then $x =$
- (vii) If $\frac{1}{2} - x = \frac{1}{2}$, then $x =$
- (viii) If $x - \frac{1}{2} = 0$, then $x =$
- (ix) If $x - \frac{1}{2} = \frac{1}{2}$ then $x =$
- (x) Any term of an equation may be transposed from one side of the equation to the other side of the equation by changing
- (xi) Solving a linear equation in one variable means finding a value of the variable which the given equation.

3. If $2x - 3 = 1$, then find x .

4. If $3x - 2 = 4$, then find x .

5. If $2 - 3x = -1$, then find x .

6. If $5x - 0 = 5$, then find x .

7. If $9x + 1 = 10$, then find x .

8. Solve the following equations :

(i) $5x = 2x + 7$

(ii) $5x = 8 + 3x$

(iii) $2x = 12 - 4x$

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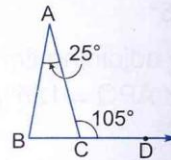
Triangles and Their Properties

DATE :

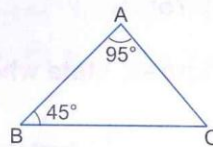
1. Choose the correct option. (MCQ's)

- (i) An isosceles right triangle has two acute angles. One of the two acute angles measures
 (a) 60° (b) 30° (c) 45° (d) 40°
- (ii) What is wrong about an equilateral triangle ?
 (a) It has three acute angles.
 (b) It has two acute angles and one obtuse angle.
 (c) It has three equal angles each of 60° .
 (d) It has three equal sides.

- (iii) In the Fig., which of the following is true ?
 (a) $BC > AC$ (b) $AC > AB$
 (c) $AB > AC$ (d) $AB < BC$



- (iv) In the Fig., the smallest side is
 (a) AC
 (b) AB
 (c) BC
 (d) None of these



2. Fill in the blanks :

- (i) An equilateral triangle has elements.
 (ii) In a right isosceles triangle, the sum of its acute angles is
 (iii) The sum of any two sides of a triangle is than the third side.
 (iv) In any triangle, an is greater than either of the interior opposite angles.

3. Write 'true or false' for each of the following :

- (i) A triangle, whose two sides are unequal, is called an equilateral triangle.
- (ii) A triangle, whose all sides are equal to each other, is called a right triangle.
- (iii) A triangle, whose one angle is an obtuse angle, is called a obtuse triangle.
- (iv) A triangle, whose all angles are less than 90° , is called an obtuse triangle.
- (v) (12, 13, 15) is an example of Pythagorean triplets.
- (vi) The sum of the angles of a triangle is 180° .

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7TH GRADE PROBABILITY WORKSHEETS

1. What is the probability of getting a head, when a coin is tossed?
(a) $\frac{1}{2}$ (b) 50% (c) 0.5 (d) All of these
2. What is the probability of getting an even number, when a dice is rolled?
(a) $\frac{1}{2}$ (b) $\frac{1}{3}$ (c) $\frac{1}{6}$ (d) $\frac{2}{3}$
(e) $\frac{5}{6}$
3. A card is drawn from a pack of cards. What is the probability of drawing a Queen of Hearts?
(a) $\frac{1}{13}$ (b) $\frac{1}{52}$ (c) $\frac{3}{4}$ (d) $\frac{7}{52}$
(e) $\frac{1}{2}$



4. A glass jar contains 5 red, 7 green, 9 blue and 11 yellow marbles. If a single marble is picked at random from the jar, what is the probability of it being a blue marble?
(a) $\frac{2}{15}$ (b) $\frac{1}{11}$ (c) $\frac{9}{32}$ (d) $\frac{5}{18}$
5. What is the probability of getting a prime number, when a number is picked from 1 to 100?
6. Tickets numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn at random, has a multiple of 4 or 5?

ENGLISH

English holiday Homework

Grammar Revise chapter no 14, 17,18

Rules of Active and Passive voice.



WORKSHEET 17

Simple, Compound and Complex Sentences

DATE :

1. Identify whether the following sentences are simple, complex or compound. Underline the dependent clause where it applies.

(a) The children were laughing.

(b) They are coming by car so they should be here soon.

(c) Wait here until I return.

(d) Let's hurry up, for it's already very late.

2. Change the following simple sentences into complex sentences.

(a) All the items required by them are available in the store.

(b) The dresses there appear to be quite cheap.

(c) In spite of facing a lot of difficulties, they had put up a great show.

(d) Ms. Neha, the head of Maths department, is not present today.

3. Convert the following compound sentences into simple ones.

(a) We must eat or we cannot live.

(b) He must not be late or he will not be allowed to enter.

(c) Lucky is rich yet he is not contented.

(d) She is very poor, but she does not complain.

Teacher's Signature :



WORKSHEET 21

Words that Often Confuse

DATE :

1. Distinguish between the following pairs of words by using them in sentences.

(a) Story _____

Storey _____

(b) Accept _____

Except _____

(c) Bare _____

Bear _____

(d) Lose _____

Loose _____

(e) Whether _____

Weather _____

2. Choose the correct word from the brackets to complete the sentences.

(a) He did not waste (waste, waist) even a single minute.

(b) She gave me a good piece of _____ (advise, advice).

(c) My sister was sitting _____ (beside, besides) me.

(d) These bags were made from _____ (coarse, course) cloth.

(e) Everyone has to _____ (die, dye) one day.

(f) The _____ (flour, floor) was covered with marble slabs.

(g) He was sent to _____ (gaol, goal) for two months.

(h) He took medicine so that his wound could _____ (heal, heel).

(i) The water had boiled in the _____ (cattle, kettle)

(j) The doctor gave him a _____ of medicine. (dose, doze)



Comprehension Passages

DATE :

Read the passages carefully and answer the questions that follow.

There are three main groups of oils : animal, vegetable and mineral. Great quantities of animal oil comes from whales, those enormous creatures of the sea which are the largest remaining animals in the world. To protect the whale from the cold of the Arctic seas, nature has provided it with a thick covering of fat called blubber. When the whale is killed, the blubber is stripped of and boiled down, either on board ship or on shore. It produces a great quantity of oil which can be made into food for human consumption. A few other creatures yield oil, but not so much as the whale. The livers of the cod and the halibut, two kinds of fish, yield nourishing oil. Both cod liver oil and halibut oil are given to sick children and other invalids who need certain vitamins. These oils may be bought at any chemist's shop. Vegetable oils have been known from antiquity. No household can get on without it, for it is used in cooking. Perfumes may be made from the oils of certain flowers. Soaps are made from vegetable and animal oil.

1. What are the three main groups of oil ?

2. What are their sources ?

3. What protects the whale from cold ?

4. How do we get oil from whales ?

5. Find out the words from the passage which mean the opposite of the given words.

- (a) Little — _____
- (b) Unhealthy — _____
- (c) Modernity — _____

Teacher's Signature :

1. Write paragraphs on the following topics.

(a) The Aim of Education

(b) Need of Education for Women

(c) Importance of a Healthy Lifestyle

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WORKSHEET 31

Essay Writing

DATE :

Write a short essay of about 250–300 words on the following topics.

(a) A visit to a hill station.

(b) What if I were 10 years old?

(c) Child labour.

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