Dear Parents / Students

Due to the unprecedented situation, Knowledgeplus Training center is mobilized and will keep accompanying and supporting our students through this difficult time. Our Staff will be continuously, sending notes and exercises on a weekly basis through what's app and email. Students are requested to copy the notes and do the exercises on their copybooks. The answers to the questions below will be made available on our website on knowledgeplus.mu/support.php. Please note that these are extra work and notes that we are providing our students and all classes will be replaced during the winter vacation. We thank you for your trust and are convinced that, together, we will overcome these troubled times.

Knowledgeplus Training Center

Mathematics

Garde 7

Week 6

Notes and Exercise

Note: (All the Notes, Examples and Exercise are on the photos and Note: (Please copy all the Notes, Examples and Exercises on your copy book).

Mathematics Grade 7 Week 6
Word problems involving docimals
Example, in the house the said style
Example. Als bought 6 Copybools for Ps 97-20
Car Find the cost of 1 Copybook
(b) A discount of Roll was given per copybook
(b) A discount of Roll was given per copybooks.
to the sale of the
Solution
(a) 6 Copybooks cost = Ps & 97.20 1 Copybooks Cost = Rs 97.20
1 Copybooks Cost = Rs 97-20
6
= Rs 16.20
and one of the second of the second
6) Discount Price of 1 copybook = Rs 16.20 - Rs 1
= R515-20
7 12 Copybooles cost=R8 15-20 x12
=75182.40
: Price of 1 pack = Rs 182.40.
•

Attempt: Ex 1, 2, 3.

- 1. Ashwinee bought 15 party hats at Rs 12.50 each and 15 balloons at Rs 7.50 each. How much money did she spend?
- 2. Ali is 0.85 m taller than Anish while Anju is 0.5 m shorter than Anish. If the total height of the three children is 3.05 m, find the height of each child.
- 3. A pen and a copybook cost Rs 27.50 together. Deven bought 8 copybooks and 5 pens for Rs 182.50. Find the price Sushila paid for 2 copybooks and 3 pens.

	Angles
	Introduction
	Points, lines, line Segmond, rays and planes
	A point has no dimensions. It is usually
>	denoted by a dot and is used to specify
×*.5	a location. A capital letter is used to
	indicate a point, for example the point
	20.50 = -9 - (20) 2x20d(ms) A (0) .
u.	Lines line segments and rays have one
	dimensions.
	00.21.21
	A line has no end points. Thus, we
2 Y -	represent a line by including arrows
	cet both ends to indicate that the line
	Continues endlessly in both directions
	line
	·
	A line segment starts with a point
	and ends with another point, we
	can draw and measure line segments
	as they have definite lenghts A line
	segment is part of a line.
	The state of the s
	For example line segment AB
	line sogment
	A · · · · · · · · · · · · · · · · · · ·

00	A ray is a half-line and is also			
30	part of a line. It starts at a			
	sp. specific, say A and continues endless,			
	in one direction only.			
	32-134 7211 1214 B			
,	13 Paralle Lace 2006 (1)			
0	A or ray.			
	A-plane has length and width but			
	not height. It start at a specific point,			
	say A and continues endes			
1.	7217 1114 15			
	A plane has length and width but			
	no height. It is a flat surface with			
10	touc dimensions, for example a plane			
170	is the surface of a tuble.			
	, ob 10			
	the surpace of			
	a table.			
10	Trooped willing Paragrant			
	trivil 1 miles			
	<u> </u>			
	- 1 ding Alled La picker			
454	Angles many days and many many many			
,	Contract of the contract of th			
	Angle.			

Attempt:Ex 2(a-e).

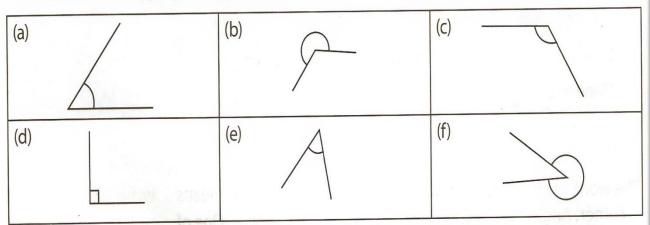
- 2. Represent the following on a sheet of paper:
 - (a) A point P
 - (b) A line segment XY
 - (c) A ray starting at Z
 - (d) A plane
 - (e) A line

Types of angle

An angle of 180° is called a straight angle.	180°
A right angle is an angle of 90°.	90°
An acute angle is an angle less than 90°.	A A
An obtuse angle is an angle between 90° and 180°.	
Angles of more than 180° but less than 360° are called reflex angles.	
A complete turn makes an angle of 360°.	360°

Attempt:Ex1(a-f), Ex2(a-c), Ex3(a-h).

1. For each of these angles, identify whether it is acute, obtuse, reflex or right-angled.

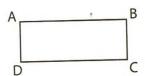


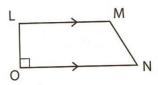
- 2. Represent the following in your copybook.
 - (a) An acute angle
- (b) An obtuse angle
- (c) A reflex angle
- 3. State the type of angle for each of the following angles:
 - (a) 160° (b) 12° (c) 321° (d) 90° (e) 180° (f) 256° (g) 190° (h) 360°

50	Continue of and the continue of		
	Types of lines was a series and		
	Parallel lines		
(1)	Parallel lines are lines that never touch		
	each other or meet with each other.		
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	MINOR AND		
	Parquel		
	lines / & Parulel lines.		
be	Albert Hall Aftern and and a		
Trus.	Perpendicular lines		
Y OU Y	Perpendicular lines are line meet or		
	cross each other to make an angle		
	of 90°.		
4	and the state of t		
	in the second se		
	qo° qo°		
	900		
	Perpendicular Perpendicular		
	iine lines		
	2 18 23 18 28 18 18 18 18 18 18 18 18 18 18 18 18 18		
	Transversals line		
	It is a line that intersect a parallol		
	line transversal.		
			

Attempt:Ex1(a-c), Ex2(a-b), Ex3(a-b).

- Draw on different diagrams
 - (a) a pair of parallel lines,
 - (b) two lines which are perpendicular to each other,
 - (c) a pair of parallel lines and a transversal.
- 2 ABCD is a rectangle.
 - (a) Which side is parallel to AB?
 - (b) Which side(s) is/are perpendicular to AD?
- 3. LMNO is a trapezium.
 - (a) Which side is parallel to LM?
 - (b) Which side(s) is/are perpendicular to LO?





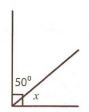
	Complementury Ang	gles	-9
	Complementary And		n a right
	angle and have	a sum of	900
	Supplementary And	gles	
	Supplementary Angles form a straight		
	angle at and	heine a s	um of 180°
	Angles at a pai	nt = 101-3,01 1	
The sum of the engles cet a point is 360°			a poent
	Ce+b+C+d+e=360°	e de	
	Cut b+C+d=360°		
	90°	5	Solution
		2,21.120	19-2-2
	180°	d'	9
		360°) _b
		275-4	
270°			
	Example		(5)
	Workout the size of the unknown		
	angles. Justify ea	oh answer.	
62			1
(0.7		Solution	· Flation
	CC o	55° 7 CL = 90°	2711 + 2 - 26
	55 a	a=90°-55	
	0,	Ce = 35°	
		u = 33	

(b)	17 39 0/2-3-10
4	2000000
	6. 650
	Solution
	75°+65°+ b= 180°
	140+b=1800
	b=180°-140°
	b= 40°
(c)	. 51
NO	-01.11 m 2 30 0 55 0 113 4
	110°
	Ja .
	Solutions
	30°+110°+90°+ce = 360°
121	230° + a = 360°
	a=360°-230°
	a= 130°

Attempt:Ex3(a-c), Ex4(a-c), Ex5 (a-b), Ex6(a-b).

3. Calculate the angle marked x in each of the following diagrams.

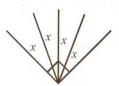
(a)



(b)

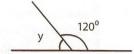


(c)

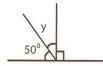


4. Calculate angle y in each of the following cases.

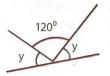
(a)



(b)

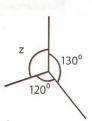


(c)

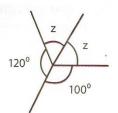


5. Calculate angle z in each of the following cases.

(a)



(b)



- 6. (a) Given angle b is twice angle a, find a and b.
- (b) Find angle c.

