110

8	Which	figure	is	an	octagon?
Ο.	VVIIICII	inguic	10	an	octagoii:

1.	6+-7=	2.	63=	3.	6×-7=	4.	$16\frac{1}{4} + 14\frac{5}{8}$	5.	19.46 - 10.5=

111

11	⊥				
6.	3 1	7.	972	8.	If y=/81, what is the value of
	$1-\times 3-=$.108 =		y?

1.	-6+ -7=	2.	-63=	3.	-6×-7=	4.	44.1+12.96+58=	5.	7
									6
									6
									Л
									-4-
									5
		l	1		I				

112

	_				
6.	675.90 × 002	7.	$2\frac{1}{2} \div 1\frac{3}{2}$	8.	Complete the pattern: 1, 7, 13,, 31,
	× . <u>002</u>		16 8		37.

ı										
ı	1.	-7+8=	2.	-7 - 8=	3.	$-7\times4=$	4.	-20 ÷ 5=	5.	5 2 1
										$\frac{3}{-} + \frac{2}{-} + 2 = $
										6 + 3 + 2 2 - 1

113

6.
$$\begin{vmatrix} 7.4 - 1.682 \\ = \end{vmatrix}$$
 7. $\begin{vmatrix} 1 \\ 4 \times \frac{5}{6} \times \frac{2}{5} = \end{vmatrix}$ 8. $\begin{vmatrix} .007 \\ 210 \end{vmatrix} = \begin{vmatrix} 9. \end{vmatrix}$ Plot these points on a graph: (3,0); (2,-1); (0,-6).

7+ -8 = 7×-4= 4. 2. 7 - 8 =3. 20 ÷ -5= .6+.094+10= 5.

114

2. -7- -8 = -7× -4= $\frac{-20}{-5}$ = -7 + -8 = 4. 5. 3.

115

6.	91.4- 73.195=	7	$2\frac{3}{16} \times 2\frac{2}{5}$		$\frac{2.4}{8} =$	9.	Joe bought a s cost \$120. He downpayment paid off the bal of \$10 a month did it take him	made a of \$80. If he lance at a rate n, how long		
6.	6. $8\frac{1}{6}$ $\times .04$									
			0 0	10	4 4			2 5 7		
1.	8+ -9 = 2	2. 8-	3 = 3.	8× -4	1= 4.	$\frac{25}{-5} =$	5. 4	$\frac{3}{8} + 9\frac{7}{18} + \frac{5}{8} =$		
11'	7									
6.	1032 =	7.	$2\frac{2}{3}\times3\frac{2}{3}$	$\frac{3}{8} \times 1\frac{1}{4} =$	8.	12÷.6		root of 6?		
1.	-8 + -9 =		28	3 =	38	× -6 =	$\begin{array}{ c c }\hline 4. & -25 \\ \hline -5 & = \\ \hline \end{array}$	5. 74.5+6.9 1+17.432 =		
118	8							<u> </u>		
6.	$8\frac{1}{5}$ $-6\frac{3}{10}$	7.	2.14 × <u>.03</u>	8. $\frac{3}{5}$	$\div 2\frac{2}{5} =$	9.	How many 1.4 l are needed to fi container?			
1.	-9 + 7 =	2.	-9 - 2 =	3.	-9×4 =	4.	-32÷8= 5.	$22\frac{7}{12}$ $+17\frac{1}{12}$		
								6		
119	9		1				<u> </u>			
6.	6. $27.6 - 13 = 7$. $32\frac{1}{4} \times 8 = 8$. $3.2\overline{)64} = 9$. What number goes into the blank to make the sentence true? 87 meterscentimeters									

1.	9 + -7 =	2.	-9 – :	2 =	3.	-9×4 =	4.	3	$\frac{1}{8} =$	5.	643.2 + 12.45 +600=		
120	0								0				
6.	6. $\begin{vmatrix} 9\frac{1}{2} \\ -\frac{2}{3} \end{vmatrix}$ 7 .302× .2 = 8. $\begin{vmatrix} 7\\8 \\ \div 3\frac{3}{4} \end{vmatrix}$ 9. Ralph uses 10 kilograms of dirt to fill 5 pots. How much dirt does he need to fill 7 pots?												
	/T)1 1 1			1		ν Φς οο	1	1	•,1		, , d7 00		
1.											ties at \$7.00		
2.	Write 379				muc	in change	3.				a \$50 bill?		
۷.	WIILE 37	o as	a IIaci	1011.			3.	$\frac{3}{4}$ of	f wha	at is	$\frac{2}{7}$?		
12	1												
1.	Two pend 28c each How mud	•							mar	bles v	were bought at		
2.	Write 85%	% as	a decir	nal.			3.	$\frac{6}{7}$ is	$\frac{2}{3}$	of wh	nat?		
12	2							U					
1.	Latanya l embossed bill?	_		_			-				and an ed from a \$5		
2.	3						3.	2					
	Write $\frac{1}{4}$	as a j	percen	t.				$\frac{1}{3}$ rd	s of	what	is 11 ?		
12	3							<u> </u>					
1.		ity so	ld six l	ეიი1	ks at	\$2.15 ea	nch ai	nd 5 1	amn	s at S	\$1.50 each to a		
											m a \$20 bill?		
2.	Write .05						3.	4	3		,		
			-					$\frac{-}{5}$ is	$\frac{1}{4}$	of wh	at?		
124	<u> </u>						1	1 2					
1.		ience	contes	st C	ີ ນາດກ	g Phong s	won t	wo \$0	25 pr	izes	three \$15 prizes,		
1.		_							_		72. How much		
	profit did		-		- 500	22 02 8000	0 - \	· aaj v		.,			
2.	Write 8%			al.			3.	Wha	t is 8	3% of	30?		
12	5							II.					
7			_	chas	sed a	ıt \$6.00 ε	ach,	along	with	ı two	ties at \$7.00		
1.	How muc			2.	Wh	at was th	e tota	a1	3.	Find	the area of a		
	charged?			٦٠	bill			~*	"		e with radius 10.		
120				<u> </u>	_ ~	•			<u> </u>	022 01			
		wer	e boug	ht a	t 16	c each, a	nd th	ree m	arbl	es we	ere bought at 28c		

Two pencils were bought at 16c each, and three marbles were bought at 28c each.

Т	he tax was 2°	%.											
1.	What amour	nt o	f	2	2. W	hat v	vas the	3	. F	ind	l the	ar	ea of a circle
	tax was cha	rged	1?		to	tal bi	11?		v	vith	dia	me	ter 10.
12'					II.				I.				
L	atanya bougl	nt 4	sta	mp	s at 2	22c, 1	three pos	tcar	ds a	t 18	Bc, a	and	an embossed
	nvelope at 25			_			_						
1.	How much t						was the	3.				cir	cumference of
	charged?				to	otal b	ill?			circ	ele v	vith	radius 10.
128													
Т	he charity so	ld s	ix b	ool	ks at	\$2.1	5 each an	d 5	lam	ps a	at \$	1.5	0 each to a
	d donor. A 4º									_			
1.	How much t	ax	2.	7	What	was	the total	3.	Fin	d tl	ne c	ircı	ımference of a
	was charged	[5		1	oill?				ciro	ele v	with	dia	ameter 10.
129	129												
Α	t the science	con	itest	t, C	Cuong	g Pho	ng won t	vo \$	325 p	oriz	es, t	hre	ee \$15 prizes,
													e to inflation.
1.	How much i	ncre	ease	,	2.	Wha	t was the	tota	al 3	3.	Finc	l th	e area of a
	was added?					of pr	izes?			(circl	le w	rith diameter
										(3.14	- (p	i=3.14).
130	0												
T	hree shirts w	ere	pur	ch	ased	at \$8	.00 each	alo	ng v	vith	two	tie	es at \$7.00
eac	ch. The tax wa	as 4	%.										
1.	How much	2.	Wł	nat	was	3.	How mu	ch c	chan	ıge	4.	W	hat is 35% of
	tax was		the	e to	otal		was retu	ırne	d fro	om		70	D.S.
	charged?		bil	1?			a \$50 bi	11?					
13													
	-			gh	t at 1	6с еа	ich, and t	hre	e ma	arbl	es w	ere	e bought at 26c
	h. The tax wa		%.										T
1.	What amour	nt	2.		hat w		3. How				_	4.	What is
	of tax was				e tota	ıl	was 1			fro	m		115% of 88?
	charged?			bil	1?		a \$2	bill?)				
13													
				-		•	-				Bc, a	and	an embossed
	relope at 25c.						T				-		
1.	How much	2.			was	3.	How m			_	4		35% of what
	tax was				otal		was ret		ed fr	om			number is 70?
L	charged?		bil	15			a \$5 bil	15					
13						du c					1		
	he charity so						5 each ar	ıd 5	lam	ps a	at \$	1.5	0 each to a
	d donor. A 59	1				_					1	,	1150/ 5 :
1.	How much	2.			was	3.	How mu						116% of what
	tax was				otal		was retu		d fro	om a	a		number is 88?
	charged?		bil	15			\$20 bill?						
134	4												

At the science contest, Cuong King won two \$25 prizes, three \$15 prizes,

_	14 - 0100		тт.	•	_	41 '		. 1	1. 1	00/	1	4	: C1 ·	•
	d two \$100 pri													
1.		2.		t was	3.		_	•		4.			t perc	
	increase			total		did he	make	e if	his				is33	
	was added?		of pı	rizes?		expense	es we	s were			(n)	ear	rest to	enth
						\$86.72	\$86.72?				of	pe	rcent	:)
13	5													
	hree shirts we: ng with two ti							ch 1	befor	re a 1	10%	6 di	scou	nt,
1.						was the		1	Wha	at ne	rce	nt (of 88	is 99?
1.	total discoun		110		total			·	VV 11C	it pc.	ı cc.	111	00	10));
13					iotai	DIII:								
	wo pencils wer	e ho	niight	nrice	d at	16c each	n hefo	ore	a 25	5% di	scc	บบบ	t an	ıd
thr	ee marbles we	ere b	ough	t at 26	oc ea	ch, tax i	ncluc	ded	•					
1.	How much w		2	-			3.	Wh	at is	35%	of	88	5	
	the total disc	oun	t?	tot	al bi	1?								
13	7													
	tanya bought	4 st	amps	at 22	c, th	ree posto	cards	at	18c	, and	lar	ı er	nboss	sed
	velope													
а	t 25c. The env	relop	oe wa	s disc	ount	ed at 40°	% off.	•						
1.	How much w	as	2.	What	was	the total	bill?)	3.	Wha	at is	s 1	16% c	of 70?
	the discount?	?												
10	0							•	•					
13	0													
		d siz	x boo	ks at S	\$2.15	each ar	nd 5 1	lam	ıps a	ıt \$1.	.50	ea	ch to	<u></u>
Γ	he charity sol													
T kin	The charity solud donor. The													
T kin obt	The charity solud donor. The latined.	lamı	ps we	re bar	gain	ed down	so th	nat	a dis	scou	nt c	of 2	8% w	as
T kin	The charity soluted donor. The latestated. How much w	as t	ps we	re bar 2. W	gaine hat v	ed down		nat	a dis	scou	nt c	of 2	8% w	
kin obt	The charity solud donor. The latined. How much worth total discoun	as t	ps we	re bar 2. W	gain	ed down	so th	nat	a dis	scou	nt c	of 2	8% w	as
1 kir. obt	The charity soluted donor. The latestated. How much we total discounts	as t	he 2	re bar 2. W to	hat v	ed down was the ill?	so th	nat	a dis	of w	nt o	of 2	8% w umbe	ras er 70?
13.	The charity soluted donor. The latence of the science of the scien	as t	he 2	re bar 2. W to	hat v	ed down was the ill?	so th	nat	a dis	of w	nt o	of 2	8% w umbe	ras er 70?
kir. obt	The charity soluted donor. The latence donor. The latence donor do	as tt?	he z	2. W to	gaine that vector tal before King	was the ill?	3. 3. 5 \$25	nat	80%	of w	vha	of 2 t n	8% w umbe prize	er 70?
kin obto	The charity soluted donor. The stained. How much we total discount total dis	ras t t? cont	he zest, C	2. W to Cuong	gaine hat v tal b King	ed down was the ill? won two	3. 3. 0 \$25	nat	80%	of w	vha	of 2 t n	8% w umbe prize	er 70?
kir. obt	The charity soluted donor. The late donor. The late donor. The late donor has been done as the science of two \$100 prizes. His \$25 How much w	ras t t? cont	he z	2. W to Cuong ere ma	gaine that v tal b King	was the ill? won two down 1 down 1 the	3. 3. 5 \$25	nat	80% to a 2	of w	ont on	of 2 t n \$15	8% w umbe prize 5 priz	er 70? es, zes.
kin obto	The charity soluted donor. The stained. How much we total discount total dis	ras t t? cont	he zest, C	2. W to Cuong ere ma	gaine that v tal b King	ed down was the ill? won two	3. 3. 0 \$25	nat	80% to a 2	of w	ont on	of 2 t n \$15	8% w umbe prize	er 70? es, zes.
kin obt	The charity soluted donor. The stained. How much we total discount of the science of two \$100 prizes. His \$25 How much we subtracted?	ras t t? cont	he zest, C	2. W to Cuong ere ma	gaine that v tal b King	was the ill? won two down 1 down 1 the	3. 3. 0 \$25	nat	80% to a 2	of w	ont on	of 2 t n \$15	8% w umbe prize 5 priz	er 70? es, zes.
13 13 14	The charity soluted donor. The stained. How much we total discount The stained of the science of two \$100 orizes. His \$25 orizes.	ras t t? cont priz	he 2 eest, C zes w 2.	2. W to Cuong ere ma total	hat v tal b King arked was	was the ill? won two down 1 the izes?	3. 3. 0 \$25 0% d	o pr	a disconnection $\frac{80\%}{80\%}$ to a $\frac{2}{3}$ of	of w three sale	nt c vha eee \$ on t n	of 2 t n \$15 \$2 um	8% wumbe	zas er 70? es, zes.
13 A and 1.	The charity soluted donor. The stained. How much we total discount The science of two \$100 prizes. His \$25 prizes. His \$25 prizes. His \$25 prizes. How much we subtracted?	as to the transfer of the tran	he 2 est, (zes w 2.	Cuong ere ma What total	hat was of price	was the ill? won two down 1 the izes?	3. 3. 0% d 3. 00 ea	o pr	a disconnection $\frac{80\%}{80\%}$ to a $\frac{2}{3}$ of	of w three sale	nt c vha eee \$ on t n	of 2 t n \$15 \$2 um	8% wumbe	zas er 70? es, zes.
kin obt 1. 13 And F 1. 14 Talo	The charity soluted donor. The late donor. The late donor. The late donor. The late donor was a subtracted? O Three shirts we no with two ties.	ras t t? cont priz ras	he 2 eest, (zes w 2. ourch t \$7.0	Cuong ere ma What total ased,	hat vertal between King arked was of properties by, tare	was the ill? won two down 1 the izes? d at \$8.0 x include	3. 3. 0% d 3. 00 eaed.	property of the second	a dis 80% rizes to a $\frac{2}{3}$ of	of whatere a	on t n	s15 \$2 wm ———————————————————————————————————	8% wumber prize 5 prize ber is	zes. s 70?
13 A and 1.	The charity soluted donor. The stained. How much we total discount The science of two \$100 orizes. His \$25 orizes. His \$25 orizes. His \$25 orizes. His ween guith two tiens with the two tiens with two tiens with two tiens with two tiens with the two tiens with the two tiens with the two tiens with two tiens with two tiens with the two tiens with two tiens with the	as to the transfer of the tran	he 2 eest, C zes w 2. ourch t \$7.0	Cuong ere ma total ased, 00 eac at was	hat vertal between King arked was of properties by, tare	was the ill? won two l down 1 the rizes? d at \$8.0 x included How recognitions and the recognitions are shown to the recognition are shown to the recognitions are shown to the recognitions are shown to the recognitions are shown to the recognition are sho	3. 3. 0 \$25 0% d 3. 00 eaed. much	5 pr	a disconnected at $\frac{80\%}{80\%}$ to a $\frac{2}{3}$ of before the same statements at $\frac{2}{3}$ of $\frac{2}{3}$ of the same statements at $\frac{2}{3}$ of $\frac{2}{3}$	of whate a was	on t n	of 2 t n \$15 \$2 um	8% wumber prize 5 prize ber is iscou	er 70? es, zes. s 70? unt,
kin obt 1. 13 And F 1. 14 Talo	The charity soluted donor. The late donor. The late donor. The late donor. The late donor was the science of two \$100 prizes. His \$25 How much was the late donor was the	ras t t? cont priz ras	t \$7.0	Cuong ere ma What total ased, 00 eac at was total	hat vertal between King arked was of properties by, tare	was the ill? won two down 1 the izes? d at \$8.0 x include How regiven	3. 3. 00 eaed. much if pay	5 pr	$\frac{80\%}{80\%}$ $\frac{\text{to a}}{2}$ $\frac{2}{3}$ of $\frac{2}{3}$ before angular vertical entires.	of whate was	on t n	s15 \$2 wm ———————————————————————————————————	prize 5 prize ber is iscou	er 70? es, zes. int, at
kin obt 1. 13 And F 1. 14 Talo	The charity soluted donor. The stained. How much we total discounts The science of two \$100 orizes. His \$25 orizes. His \$25 orizes. His we subtracted? Three shirts we not was the total	ras t t? cont priz ras	he 2 eest, C zes w 2. ourch t \$7.0	Cuong ere ma What total ased, 00 eac at was total	hat vertal between King arked was of properties by, tare	was the ill? won two l down 1 the rizes? d at \$8.0 x included How recognitions and the recognitions are shown to the recognition are shown to the recognitions are shown to the recognitions are shown to the recognitions are shown to the recognition are sho	3. 3. 00 eaed. much if pay	5 pr	$\frac{80\%}{80\%}$ $\frac{\text{to a}}{2}$ $\frac{2}{3}$ of $\frac{2}{3}$ before angular vertical entires.	of whate was	on t n	s15 \$2 wm ———————————————————————————————————	8% wumber prize 5 prize ber is iscoular what percentage of 8	er 70? es, zes. s 70? at cent 8 is
In the state of th	The charity soluted donor. The stained. How much we total discount The science of two \$100 orizes. His \$25 orizes. His \$25 orizes. His we subtracted? Three shirts we ng with two tied how much was the total discount?	ras t t? cont priz ras	t \$7.0	Cuong ere ma What total ased, 00 eac at was total	hat vertal between King arked was of properties by, tare	was the ill? won two down 1 the izes? d at \$8.0 x include How regiven	3. 3. 00 eaed. much if pay	5 pr	$\frac{80\%}{80\%}$ $\frac{\text{to a}}{2}$ $\frac{2}{3}$ of $\frac{2}{3}$ before angular vertical entires.	of whate was	on t n	s15 \$2 wm ———————————————————————————————————	prize 5 prize ber is iscou	er 70? es, zes. s 70? at cent 8 is
1 kin obt 1. 13 A and 1. 14 T aloo 1.	The charity soluted donor. The stained. How much we total discount The science of two \$100 orizes. His \$25 orizes. His \$25 orizes. His \$25 orizes orizes with two ties and was the total discount?	ras tt? cont priz ras ere pes a 2.	he 2 eest, (zes w 2. ourch t \$7.0 Wh the bill	Cuong ere ma what total ased, 00 eac at was total	hat vertal before King arked was of properties h, tails 3.	was the ill? won two down 1 the rizes? d at \$8.0 x include How r given made	3. 0 \$25 0% d 3. 00 eaed. nuch if pay with	5 pr	to a 2/3 of before the state of	three sale was bill?	on to the state of	of 2 t n \$15 \$2 um 4.	ber is iscou	er 70? es, zes. s 70? at cent 8 is
land from the state of the stat	The charity soluted donor. The stained. How much we total discount The science of two \$100 orizes. His \$25 orizes. His \$25 orizes. His \$25 orizes or which was the total discount? The charity soluted orizes or with two ties o	ras t t? cont priz ras ere p es a 2.	he 2 lest, C lest, C lest we 2. ourch t \$7.0 Wh the bill'	2. W to Cuong ere ma what total ased, 20 eac at was total priced	hat vertal b King arked was of pr price h, tax at 2	was the ill? won two l down 1 the izes? d at \$8.0 x include How r given made	3. 0 \$25 0% d 3. 00 eaed. much if pay with before	5 problement of the problement	a dis	three sale was bill?	on to the state of	of 2 t n \$15 \$2 um 4.	ber is iscou	er 70? es, zes. s 70? at cent 8 is
kin obto 1. 13 And 1. 14 Talo 1. Tw	The charity soluted donor. The stained. How much we total discount The science of two \$100 orizes. His \$25 orizes. His \$25 orizes. His \$25 orizes orizes with two ties and was the total discount?	ras t t? cont priz ras ere p es a 2.	test, Courch the bill'	2. W to Cuong ere ma what total ased, 20 eac at was total priced	hat vertal b King arked was of pr price h, tax at 2	was the ill? won two down 1 the rizes? d at \$8.0 x include How r given made 8c each ch, tax inch, tax i	3. 3. 0 \$25 0% d 3. 00 eaed. nuch if pay with before neluce	onat To produce the character of the ch	to a 2/3 of beforent value 1/25%	of what sale was bill?	on to the state of	st n \$2 \$15 \$2 um 4.	ber is iscou	er 70? es, zes. s 70? at cent 8 is

	was the total		was the			was given if payment		1	percent of		
	discount?		total bill	5		was made with a \$2		2	256 is 160?		
						bill?					
14:	2										
I	atanya bough	t 4 :	stamps at 2	22c	, thi	ree postcards at 18c, a	nd a	an e	embossed		
			-			counted at 40% off.					
1.			What	3.					5% of what		
	was the		was the			ven if payment was		กเ	ımber is		
	discount?		total bill?		_	ade with a \$5 bill?		24			
14	1	<u> </u>	000001 2221						. •		
	-	d si	x books at S	\$2	15 e	each and 5 lamps at \$1	50	ea	ch to a		
	•					down so that a discov					
	tained.	ıaıı,	ps were bar	. Su.	iiica	down so that a discoc	1110 \	<i>)</i> 1 <i>2</i> 1	170 Was		
	How much	2	. What wa		3	How much change wa	10	4.	75% of		
1.	was the total	1	the total		٥.	given if payment was	10	١٠	what		
	discount?	L	bill?			made with a \$5 bill?			number is		
	discount		DIII			made with a \$3 bill?			112?		
14	<u> </u>								1145		
			4.0	17'		4 00 1 1		h 1 F	•		
		cont	est, Cuong	K1	ng v	von two \$25 prizes, thr	ee :	\$15	prizes,		
	d two \$100		1			100/ 1					
_						10% due to a sale on					
1.	How much	2.			3.			1 .	60 is what		
	was		the total o	f		profit if his expenses			percent of		
	subtracted? prizes? were 86.72? 80?										
14	5										