110

8. Which figure is an octagon?						
---						
1. $6+-7=$	2. $6- -3=$	3. $6\times-7=$	4. $16\frac{1}{4}$ $+14\frac{5}{8}$		5. $19.46 - 10.5=$	

111

6. $1\frac{3}{4}\times3\frac{1}{3}=$	7. $\frac{972}{.108}=$	8. If y=/81, what is the value of y?
---		

1. $-6+ -7=$	2. $-6- -3=$	3. $-6\times-7=$	4. $44.1+12.96+58=$	5. $6\frac{7}{6}$ $-4\frac{4}{5}$

112

6. 675.90 $\times .\underline{002}$	7. $2\frac{1}{16}\div1\frac{3}{8}$	8. Complete the pattern: 1, 7, 13, ___, ___, 31, 37.
---		

1. $-7+8=$	2. $-7 – 8=$	3. $-7\times4=$	4. $-20\div5=$	5. $\frac{5}{6}+\frac{2}{3}+2\frac{1}{2}=$

113

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

1. $7+ -8 =$	2. $7 – 8 =$	3. $7\times-4=$	4. $20\div-5=$	5. $.6+.094+10=$

114

6. $8\frac{1}{4}$ $-4\frac{5}{12}$	7. 4.25 $\times\underline{100}$	8. $\frac{5}{12}\div8\frac{1}{3}=$	9. Find all the <u>prime</u> factors of 66.
---			

1. $-7 + -8 =$	2. $-7- -8 =$	3. $-7\times -4=$	4. $\frac{-20}{-5}=$	5. $6\frac{7}{12}+\frac{3}{8}+5\frac{1}{6}=$

115

6.	91.4-73.195=	7	$2\frac{3}{16}\times 2\frac{2}{5}=$	8.	$\frac{2.4}{8}=$	9.	Joe bought a stereo that cost \$120. He made a downpayment of \$80. If he paid off the balance at a rate of \$10 a month, how long did it take him to pay it off?

1.	-8 + 9 =	2.	-8 – 3 =	3.	-8×6=	4.	-25 ÷ 5=	5.	.016+98+4.7=

116

6.	$8\frac{1}{6}$ $-2\frac{1}{3}$	7.	15.61 $\times\ .04$	8.	$\frac{5}{6}\div 1\frac{1}{9}=$	9.	The area of a parallelogram is equal to the base times the height. Find the area of this one.

1.	8+ -9 =	2.	8- -3 =	3.	8× -4=	4.	$\frac{25}{-5}=$	5.	$4\frac{3}{8}+9\frac{7}{18}+\frac{5}{8}=$

117

6.	10 - .32 =	7.	$2\frac{2}{3}\times 3\frac{3}{8}\times 1\frac{1}{4}=$	8.	12 ÷ .6 =	9.	What number has a square root of 6?

1.	-8 + -9 =	2.	-8 - -3 =	3.	-8× -6 =	4.	$\frac{-25}{-5}=$	5.	74.5+6.91+17.432=

118

6.	$8\frac{1}{5}$ $-6\frac{3}{10}$	7.	2.14 $\times\ .03$	8.	$\frac{3}{5}\div 2\frac{2}{5}=$	9.	How many 1.4 liter measures are needed to fill a 7 liter container?

1.	-9 + 7 =	2.	-9 – 2 =	3.	-9×4 =	4.	-32 ÷ 8=	5.	$22\frac{7}{12}$ $+17\frac{1}{6}$

119

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 meters=____centimeters

---

1.	9 + -7 =	2.	-9 – 2 =	3.	-9×4 =	4.	$\dfrac{32}{-8} =$	5.	643.2 + 12.45 +600=

120

6.	$9\dfrac{1}{2}$ $-\dfrac{2}{3}$	7.	.302× .2 =	8.	$\dfrac{7}{8} \div 3\dfrac{3}{4} =$	9.	Ralph uses10 kilograms of dirt to fill 5 pots. How much dirt does he need to fill 7 pots?

1.	Three shirts were purchase at $6.00 each, along with two ties at $7.00 each, tax included. How much change was returned from a $50 bill?		
2.	Write 37% as a fraction.	3.	$\dfrac{3}{4}$ of what is $\dfrac{2}{7}$?

121

1.	Two pencils were bought at 16c each, and three marbles were bought at 28c each. How much change was returned from a $2 bill?		
2.	Write 85% as a decimal.	3.	$\dfrac{6}{7}$ is $\dfrac{2}{3}$ of what?

122

1.	Latanya bought 4 stamps at 22c, three postcards at 18c, and an embossed envelope at 25c. How much change was returned from a $5 bill?		
2.	Write $\dfrac{3}{4}$ as a percent.	3.	$\dfrac{2}{3}$ rds of what is 11 ?

123

1.	The charity sold six books at $2.15 each and 5 lamps at $1.50 each to a kind donor. How much change did the donor get back from a $20 bill?		
2.	Write .055 as a percent.	3.	$\dfrac{4}{5}$ is $\dfrac{3}{4}$ of what?

124

1.	At the science contest, Cuong Phong won two $25 prizes, three $15 prizes, and two $100 prizes. His costs of getting ready were $86.72. How much profit did he make?		
2.	Write 8% as a decimal.	3.	What is 8% of 30?

125

Three shirts were purchased at $6.00 each, along with two ties at $7.00 each. The tax was 5%.

1.	How much tax was charged?	2.	What was the total bill?	3.	Find the area of a circle with radius 10.

126

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

The tax was 2%.					
1.	What amount of tax was charged?	2.	What was the total bill?	3.	Find the area of a circle with diameter 10.

127

Latanya bought 4 stamps at 22c, three postcards at 18c, and an embossed envelope at 25c. The clerk erroneously charged 3% tax.					
1.	How much tax was charged?	2.	What was the total bill?	3.	Find the circumference of a circle with radius 10.

128

The charity sold six books at $2.15 each and 5 lamps at $1.50 each to a kind donor. A 4% tax was charged.					
1.	How much tax was charged?	2.	What was the total bill?	3.	Find the circumference of a circle with diameter 10.

129

At the science contest, Cuong Phong won two $25 prizes, three $15 prizes, and two $100 prizes. His prizes were then increased by 10% due to inflation.					
1.	How much increase was added?	2.	What was the total of prizes?	3.	Find the area of a circle with diameter 3.14 (pi=3.14).

130

Three shirts were purchased at $8.00 each, along with two ties at $7.00 each. The tax was 4%.							
1.	How much tax was charged?	2.	What was the total bill?	3.	How much change was returned from a $50 bill?	4.	What is 35% of 70?

131

Two pencils were bought at 16c each, and three marbles were bought at 26c each. The tax was 3%.							
1.	What amount of tax was charged?	2.	What was the total bill?	3.	How much change was returned from a $2 bill?	4.	What is 115% of 88?

132

Latanya bought 4 stamps at 22c, three postcards at 18c, and an embossed envelope at 25c. The clerk erroneously charged % tax.							
1.	How much tax was charged?	2.	What was the total bill?	3.	How much change was returned from a $5 bill?	4.	35% of what number is 70?

133

The charity sold six books at $2.15 each and 5 lamps at $1.50 each to a kind donor. A 5% tax was charged.							
1.	How much tax was charged?	2.	What was the total bill?	3.	How much change was returned from a $20 bill?	4.	116% of what number is 88?

134

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

and two $100 prizes. His prizes were then increased by 10% due to inflation.

1.	How much increase was added?	2.	What was the total of prizes?	3.	How much profit did he make if his expenses were $86.72?	4.	What percent of 88 is33? (nearest tenth of percent)

135

Three shirts were purchased, priced at $8.00 each before a 10% discount, along with two ties at $7.00 each, tax included.

1.	How much was the total discount?	2.	What was the total bill?	3.	What percent of 88 is 99?

136

Two pencils were bought, priced at 16c each before a 25% discount,, and three marbles were bought at 26c each, tax included.

1.	How much was the total discount?	2.	What was the total bill?	3.	What is 35% of 88?

137

Latanya bought 4 stamps at 22c, three postcards at 18c, and an embossed envelope
   at 25c. The envelope was discounted at 40% off.

1.	How much was the discount?	2.	What was the total bill?	3.	What is 116% of 70?

138

The charity sold six books at $2.15 each and 5 lamps at $1.50 each to a kind donor. The lamps were bargained down so that a discount of 28% was obtained.

1.	How much was the total discount?	2.	What was the total bill?	3.	80% of what number 70?

139

At the science contest, Cuong King won two $25 prizes, three $15 prizes, and two $100
   prizes. His $25 prizes were marked down 10% due to a sale on $25 prizes.

1.	How much was subtracted?	2.	What was the total of prizes?	3.	$\frac{2}{3}$ of what number is 70?

140

Three shirts were purchased, priced at $8.00 each before a 10% discount, along with two ties at $7.00 each, tax included.

1.	How much was the total discount?	2.	What was the total bill?	3.	How much change was given if payment was made with a $50 bill?	4.	What percent of 88 is 70?

141

Two pencils were bought, priced at 28c each before a 25% discount,, and three marbles were bought at 16c each, tax included.

1.	How much	2.	What	3.	How much change	4.	What

was the total discount?		was the total bill?		was given if payment was made with a $2 bill?		percent of 256 is 160?

142

Latanya bought 4 stamps at 22c, three postcards at 18c, and an embossed envelope at 25c. The envelope was discounted at 40% off.							
1.	How much was the discount?	2.	What was the total bill?	3.	How much change was given if payment was made with a $5 bill?	4.	15% of what number is 24?

143

The charity sold six books at $2.15 each and 5 lamps at $1.50 each to a kind donor. The lamps were bargained down so that a discount of 24% was obtained.							
1.	How much was the total discount?	2.	What was the total bill?	3.	How much change was given if payment was made with a $5 bill?	4.	75% of what number is 112?

144

At the science contest, Cuong King won two $25 prizes, three $15 prizes, and two $100 prizes. His prizes were marked down 10% due to a sale on prizes.							
1.	How much was subtracted?	2.	What was the total of prizes?	3.	How much did he profit if his expenses were 86.72?	4.	60 is what percent of 80?

145