EDUCHAMPS – ACHIEVE ACADEMIC EXCELLENCE (金榜题名)

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educhan	Name: _		Date:
EduCHAMPS Methods	10	Challenging GEP Test Q	uestions
and 30 families	ordered English r	in a particular HDB block. 22 famili newspapers. 4 families did not ord I English newspapers?	
, -	cost as much as 4 much as 1 pear?	apples and 1 pear. 4 pears cost a	s much as 6 oranges. How many [2]
Pattern 1	squares (various s	Pattern 3 (14 squares)	[2]
		imbers are between 1 and 20. Wher What is the difference between the	
,		ke a square and 5 sticks to make than squares. How many pentagon	•

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Q6) Doctor Lam gave Henry 30 tablets and told him to take 2 tablets 3 times a day. How many day will Henry take to finish all the tablets?	ys [2]
Q7) Paul had 270 stamps. He gave $\frac{4}{9}$ of the stamps to Ali and some stamps to Leela. He had 60 stamp left. What fraction of the stamps did he give to Leela?[ps [2]
Q8) Jack had a total of 20 oranges and pears. If he exchanges every pear for 2 oranges, he will have at first? [/e [2]
Q9) 4 people, Abel, Ben, Carl and Dennis, shared a sum of money. Abel's share was half of Benshare. Carl's share was equal to the sum of Abel's and Ben's shares. Dennis's share was 4 times Abel's share. If Dennis's share was \$724, what was the original sum of money that was shared by people?	O
Q10) There are altogether 45 balls in the three boxes A, B, and C. 7 balls are first transferred from box A to box B. 3 balls are then transferred from box B to box C. Finally, 6 balls are transferred from box to box A. There are then equal number of balls in each box. Find the number of balls in box A at firs	C

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Answers For 10 Challenging GEP Test Questions with EduCHAMPS Methods:

Q1) 8

Venn Diagram Method:

$$48 - 4 = 44$$

$$30 + 22 = 52$$

$$52 - 44 = 8$$
.

Q2) 4 apples

Alphabet Method:

$$3R \rightarrow 4A + 1P$$

$$6R \rightarrow 8A + 2P$$

$$4P \rightarrow 6R$$

$$4P \rightarrow 8A + 2P$$

$$4P - 2P \rightarrow 8A$$

$$2P \rightarrow 8A$$

$$1P \rightarrow 4A$$
 (4 apples).

Q3) 55

Square Number Method:

$$1 + 4 + 9 + 16 + 25 = 55$$
.

Q4) 8

Guess and Check:

$$17 - 9 = 8$$
.

O5)8

Getting Rid of the Extra:

$$5 \times 3 = 15$$

$$60 - 15 = 45$$

$$4u + 5u = 9u$$

$$45 \div 9 = 5$$

$$5 + 3 = 8$$
.

Q6) 5

Tree Planting Method:

$$3 \times 2 = 6$$

$$30 \div 6 = 5$$
.

Q7) $\frac{1}{2}$

Part Whole Fraction:

$$1 - \frac{4}{9} = \frac{5}{9}$$

$$270 \times \frac{5}{9} = 150$$

$$150 - 60 = 90$$

$$\frac{90}{270} = \frac{1}{3}$$

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Q8) 12

Exchange Method:

28 - 20 = 8

$$20 - 8 = 12$$
.

Q9) \$1810

Unit Method:

A = u, B = 2u. C = 3u, D = 4u

 $$724 \div 4 = 181

u + 2u + 3u + 4u = 10u

 $$181 \times 10 = 1810 .

Q10) 16

Working Backwards:

 $45 \div 3 = 15$

15 + 6 = 21 (C)

15 - 6 = 9 (A)

21 - 3 = 18 (C)

15 + 3 = 18 (B)

18 - 7 = 11 (B)

9 + 7 = 16 (A).