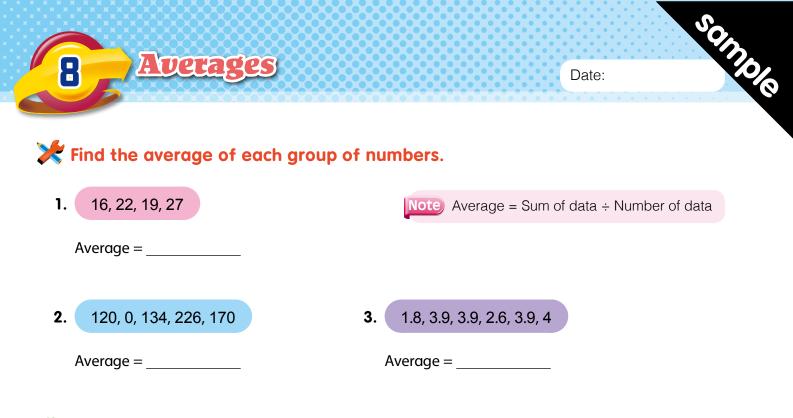


SCHOOS



🔅 Solve the problems. Show your working.

4. Matt got 74, 80, 75 and 97 in four dictations. What is the average mark of these four dictations?



- **5.** Tracy spent 7.8 dollars each day from Monday to Wednesday, and 0 dollars and 6.6 dollars on Thursday and Friday respectively. During these five days, how much did she spend every day on average?
- **6.** A convenience store sold 18.5 boxes of chocolate bars on average per month from January to March and 16.1 boxes on average per month from April to August. What is the average number of boxes of chocolate bars sold per month during these eight months?
- **7.** Mr. Li bought three books at an average price of 98 dollars each. Two of the books cost 100 dollars and 85 dollars respectively. How much did the remaining book cost?
- **8.** The average height of 9 scouts was 1.47 m. Another scout whose height is 1.57 m joined them later. What is their average height now?

Addition or removal of data will change the sum and the number of data.

📊 Exam Tips

20

I	ntermediate Leve	
9.		
42 28.4 52 $37\frac{3}{5}$ 70	Exam Tips Change the fraction into a decimal before calculation.	
The average of the above five numbers is		
10. Harry wanted to buy some biscuits in a convenience store. The p as follows:	prices of four packs of biscuits are	
\$12 \$10 \$15 \$13		
Harry bought the three cheapest packs of biscuits above. T	he average price of the packs of	
biscuits he bought was \$ (Give your answer correc	ct to 1 decimal place)	
11. (a) Mrs. Wong bought 3 pairs of pyjamas. The average price for each pair was dollars.	•• Pyjamas on sale ••	
(b) Mrs. Fong bought 5 pairs of pyjamas. Each pair was		
dollars less on average.	Original price per pair \$128	
	The 1st pair \$128	
	The 2nd pair \$39 less	
	The 3rd pair or further \$63 less per pair	

Advanced Level

12. There are five examinations in this term. Full marks for each subject is 100. The following are Helen's results in different subjects.

Subject	Chinese	English	Mathematics	General Studies	Moral Education
Result	95	90	94	93	98

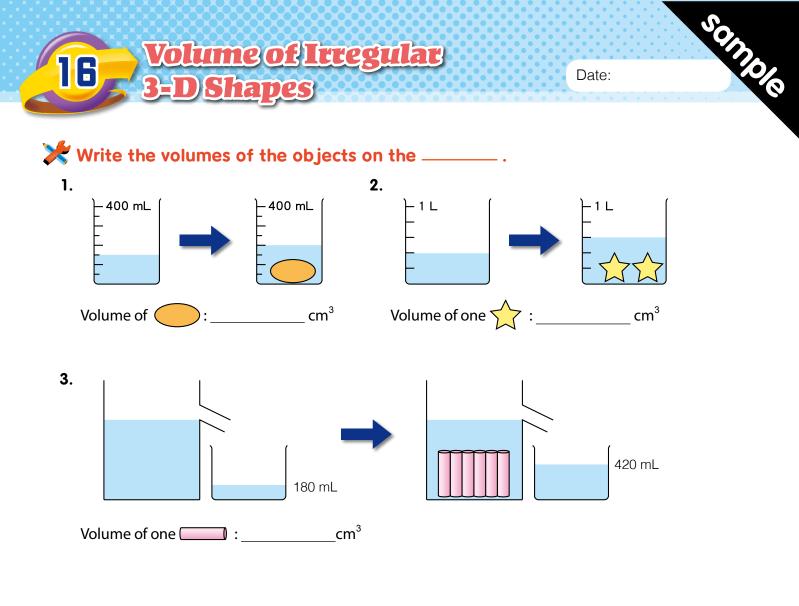
- (a) According to the above table, Helen's result in _____ is exactly the same as the average mark of the five examinations.
- (b) Lily's results in four of the subjects are 92, 94, 85 and 96 respectively. Could her average mark



for the five examinations be higher than Helen's? Explain.

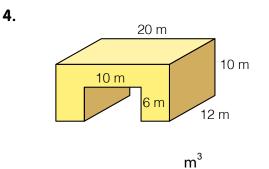
Answer: Lily's average mark for the five examinations * could / could not be higher than Helen's. (* Circle the answer)

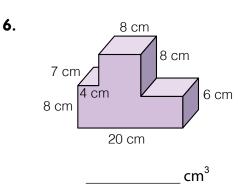
Reason:

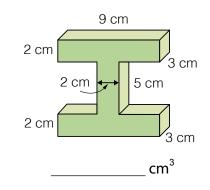


5.

ở Find the volumes of the 3-D shapes.

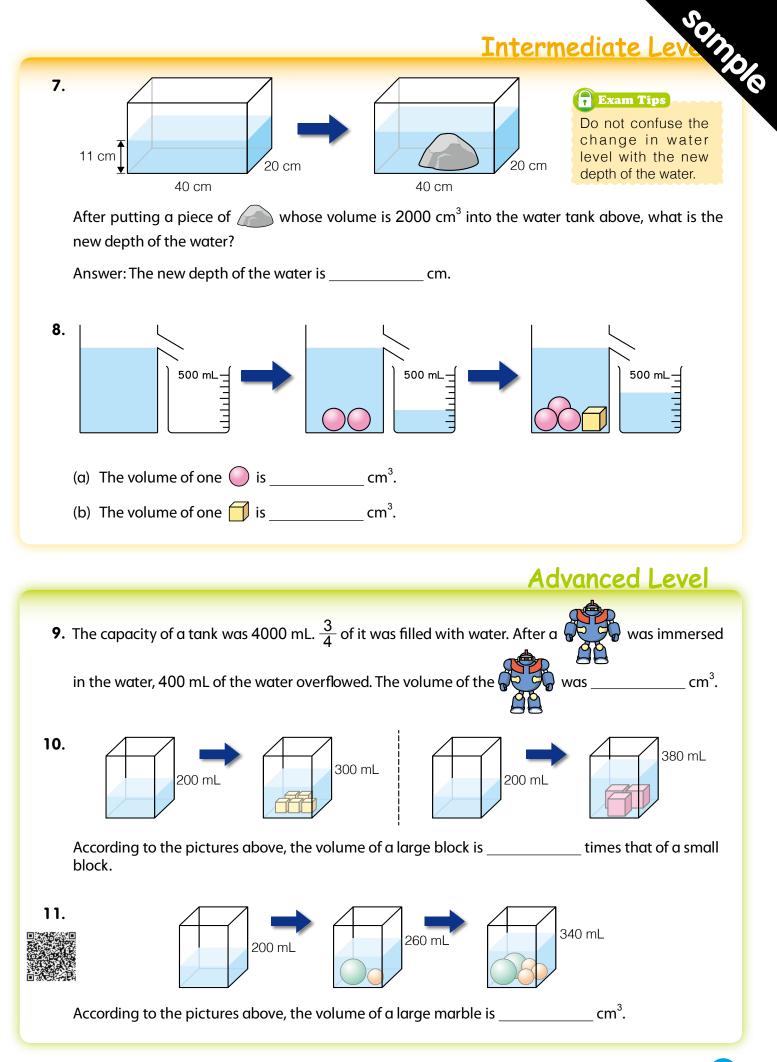




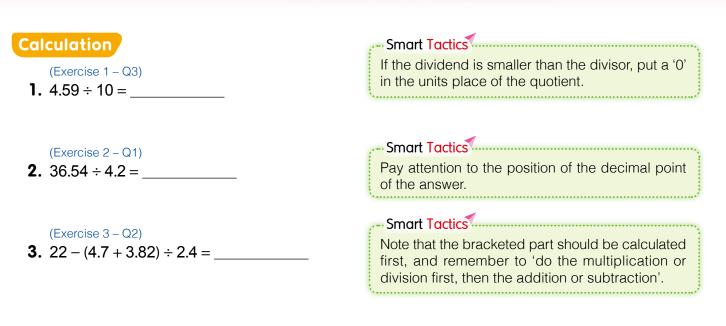


Method 1: Dissect the 3-D shape into different cuboids and calculate the sum of volumes of the cuboids.

Method ⁽²⁾: Fill up the 3-D shape with some small cuboids to form a large cuboid. Then subtract the volumes of the small cuboids from the volume of the large cuboid.



Analysis of Common Questions in Public Patient



Sequencing

(Exercise 14 – Q8)

4. Arrange the following numbers from the largest to the smallest.



When arranging percentages, fractions and decimals, it would be more convenient for comparison to change all the numbers into decimals first.

Smart Tactics

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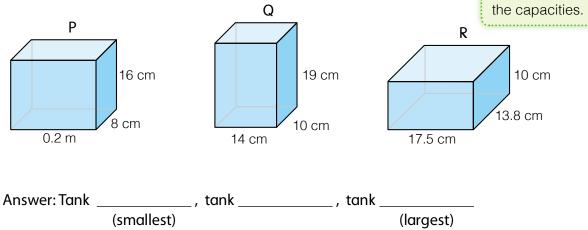
Answer: _____(largest)

(smallest)

(Exercise 15 – Q7a)

5. Arrange the three tanks below according to their capacities from the smallest to the largest.

Smart Tactics Note that the unit of the length of tank P is 'm'. Remember to unify the units before calculating the capacities.



Analysis of Common Questions in



Multiple choice (Section A)

(Exercise 2 – Q12)

- When Kary was calculating 1.36 ÷ 0.7, she wrongly wrote the expression as 136 ÷ 7. How many times of the correct answer is her answer? (Write the letter next to the answer in the
)
 - A. 0.01
 - B. 0.1
 - C. 10
 - D. 100

Make use of expansion or moving the decimal point to change the divisor '7' and the dividend '136' to '0.7' and '13.6' respectively. Then, compare it with the correct answer.

Smart Tactics

Change the fraction ' $1\frac{4}{5}$ ' into a

decimal first. Then move the decimal

point 2 places to the left, and add '0's in appropriate places, and then

remove the percentage symbol.

Smart Tactics

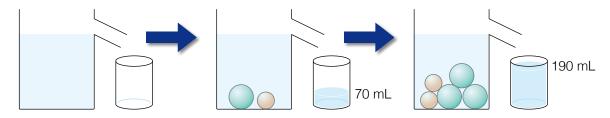
(Exercise 13 – Q15) **2.** Which of the following equals $1\frac{4}{5}$ %?

(Write the letter next to the answer in the \square)

- A. 0.008
- B. 0.018
- C. 0.18
- D. 0.8

(Exercise 16 – Q11)

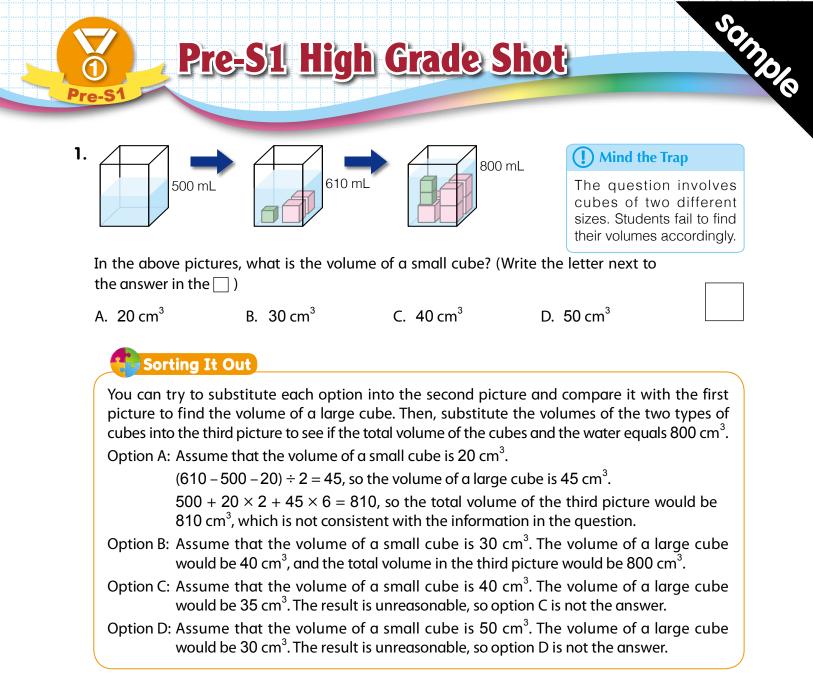
3. Joe puts some marbles into the overflow can.



What is the volume of one small marble? (Write the letter next to the answer in the 🗌)

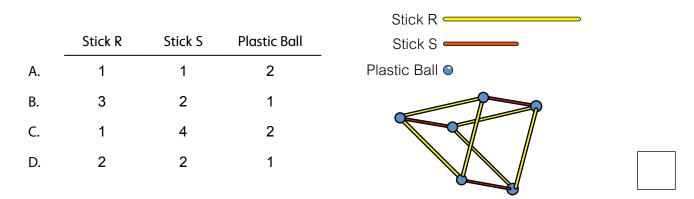
- A. 20 cm³
- B. 30 cm³
- C. 40 cm^3
- D. 50 cm³

Smart Tactics You can substitute one of the options into the second picture to find the volume of a large marble first. Then, substitute the volumes of the two types of marbles into the third picture to see if the total volume equals 190 cm³. If not, try to substitute other options.

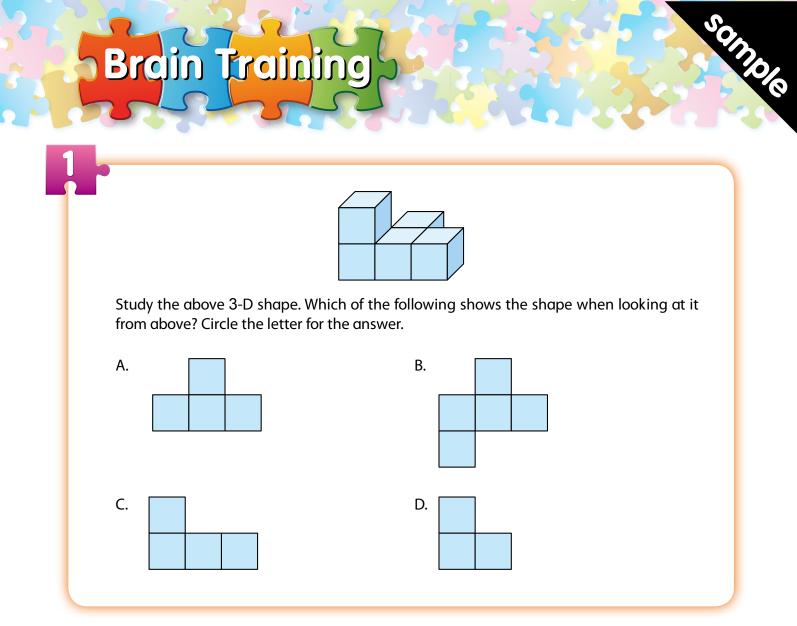


(Exercise 4 – Q14)

2. Kenneth used the following sticks of different lengths and plastic balls to make the 3-D shape on the right. If he wants to change it into a pyramid on a regular 7-sided base, how many more of each type of materials will be needed at least? (Write the letter next to the answer in the ____)



Brain Training



In Figure 1, when the cube is cut along the green lines, the shape of the section obtained is a square. Add some straight lines to Figure 2, so that when the cube is cut along these lines, the shape of the section obtained will be a trapezium.

