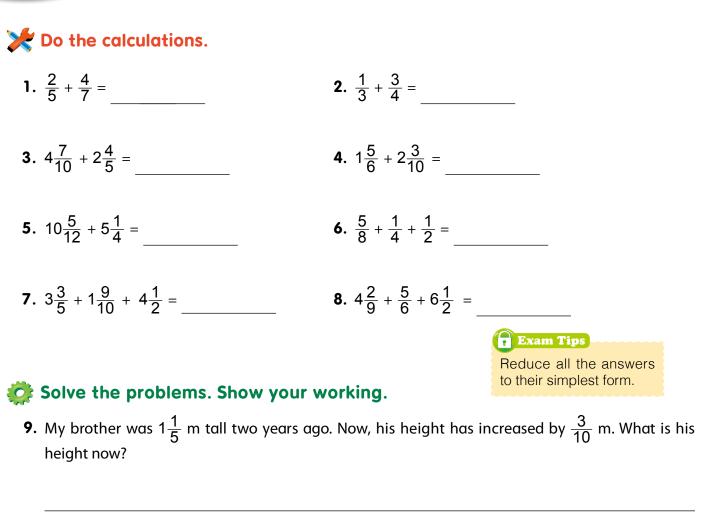
Contents



ddition of Fractions with ifferent Denominators







10. Yoyo is making drinks for the party. She is mixing $1\frac{3}{4}$ L of soda and $\frac{1}{2}$ L of milk. What is the total amount of drinks she has made?



11. Mrs. Lam made a rectangular curtain. Its width is $1\frac{4}{5}$ m and its length is $1\frac{1}{4}$ m longer than its width. What is its length?

Note When performing addition of mixed numbers, calculate the whole number parts and the fraction parts separately.

12. Mandy practised piano for $1\frac{11}{12}$ hours today. Yesterday, she practised $\frac{7}{15}$ hour more than today. For how many hours did she practise piano in these two days?

2

13. Fanny baked 32 biscuits. Derek ate 7 biscuits and Peter ate $\frac{3}{16}$ of all the biscuits.

They ate ______ of all the biscuits. (Give your answer in fraction)

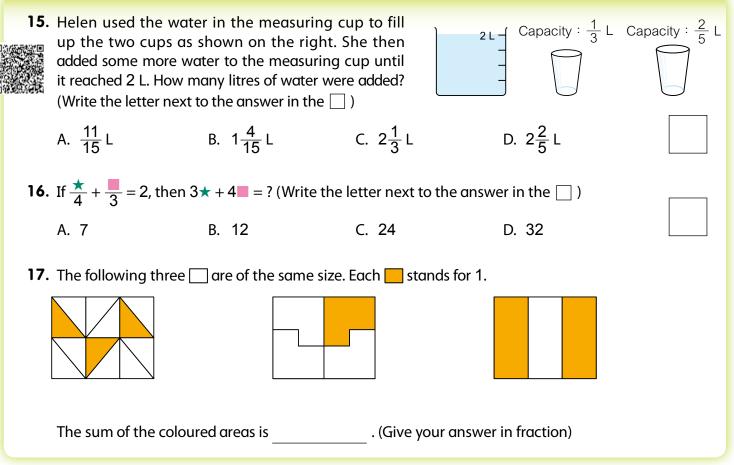
14.



The original distance between a coach and a car was $\frac{1}{24}$ km. The two vehicles travelled in opposite directions. The coach travelled for $8\frac{1}{6}$ km and the car travelled for $10\frac{5}{8}$ km. What is the distance between the coach and the car now? (Show your working)



Intermediate Le



SCIE OF

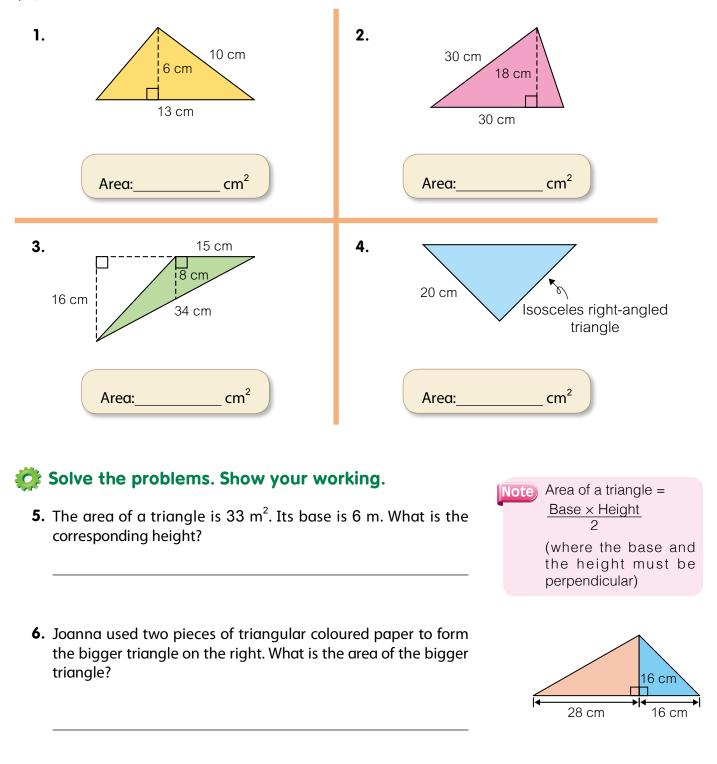


SCHOOL

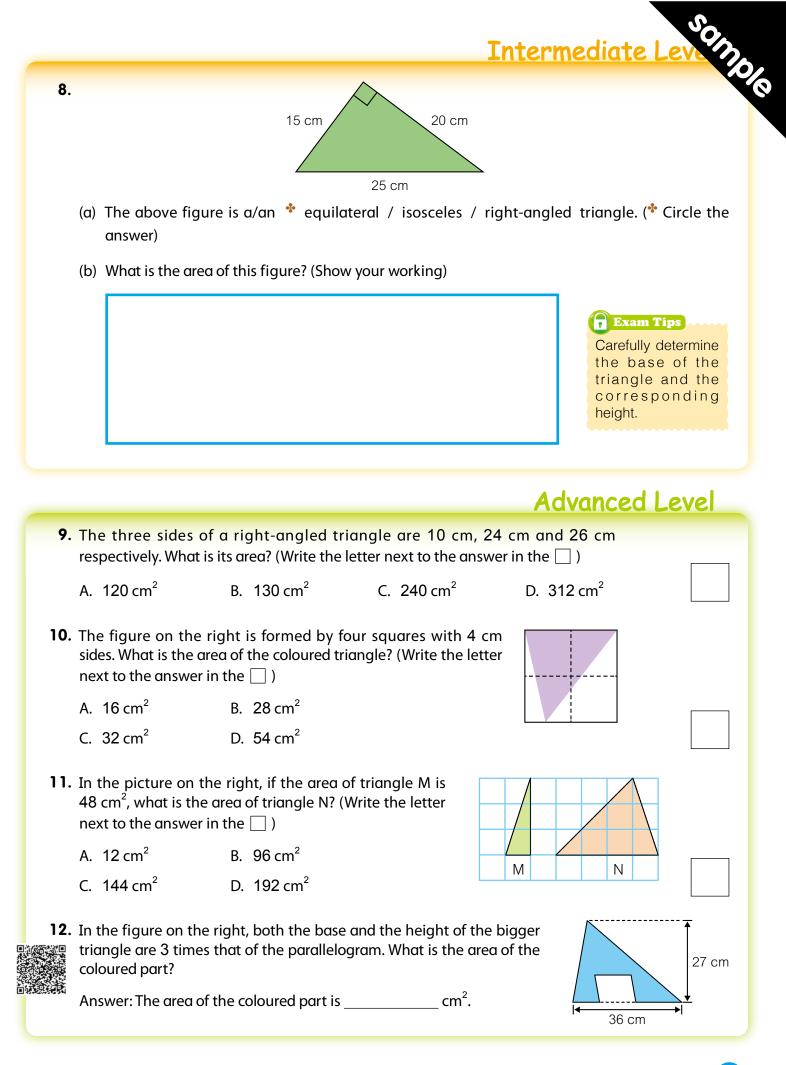


B

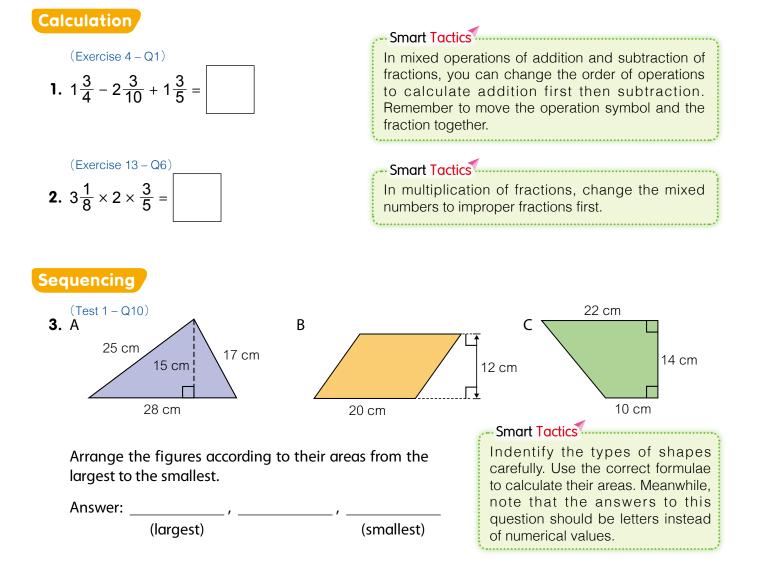
Area of Triang



7. The base of a triangular canvas is 2 m. Its height is 3 times its base. What is the area?



Analysis of Common Questions in Public Fram



(Exercise 9 – Q10)

4. The following table shows the number of views of three videos on the Internet.

Video	Number of views		
Baby loves laughing	932 570		
Health tips	906 723		
Aerobic dance	960 182		

Smart Tactics Round off the numbers of views to the nearest ten thousand for easy comparison. Also, note that the answers to this question should be the numbers of views instead of the names of the videos.

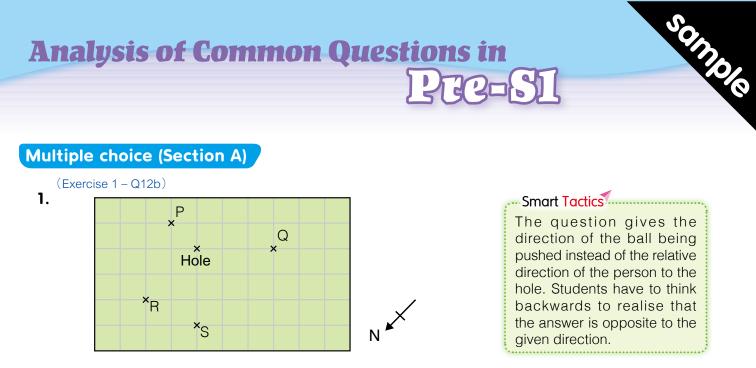
SCIII OF

Arrange the numbers of views of the videos from the smallest to the largest.

Answer:

(smallest)

(largest)



In the picture, P, Q, R and S were four people playing a game of pushing the ball. They had to push their balls into the hole. One of them pushed the ball north-east and the ball went into the hole. Who pushed the ball that went into the hole? (Write the letter next to the answer in the ____)

Α.	Ρ		В.	Q

C. R D. S

(Exercise 6 – Q11)

2. The following figure is formed by three squares of the same size. The area of the green triangle is 72 cm². What is the area of the yellow triangle? (Write the letter next to the answer in the ____)



- A. 36 cm²
- B. 72 cm^2
- C. 108 cm^2
- D. 144 cm²

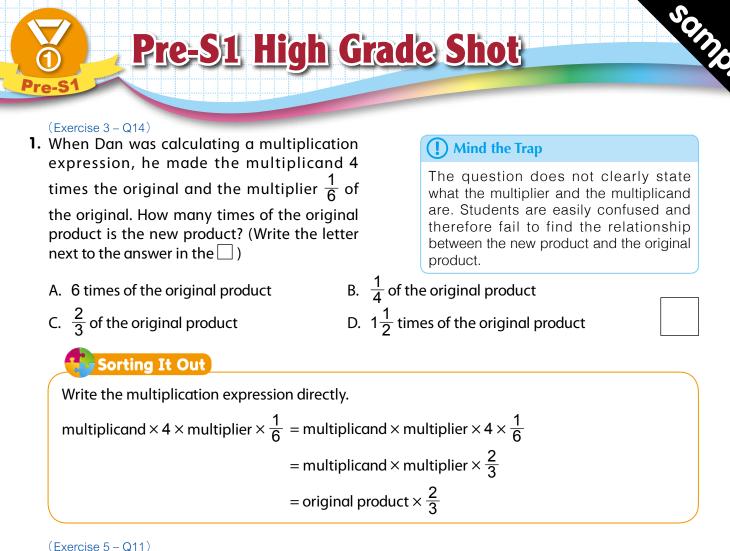
Smart Tactics From the lengths of the sides of the squares, we know that the base of the yellow triangle is 2 times that of the green one, and the two triangles have the same height. Make use of the information to find the relationship between the area of the yellow triangle and that of the green triangle.

(Exercise 9 – Q11)

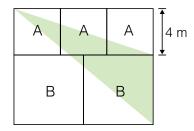
- **3.** One of the staff of a logistic company rounded off the amount in an order to the nearest ten thousand and the result was \$1 160 000. Which of the following might be the amount? (Write the letter next to the answer in the ____)
 - A. \$1 630 980
 - B. \$1 156 270
 - C. \$1 150 690
 - D. \$1 062 300

Smart Tactics Round off the options to the nearest ten thousand and see which number's approximation is 1 160 000.





2. The following figure is formed by 3 squares A and 2 squares B. The coloured part is a triangle. What is the area of the triangle?



(!) Mind the Trap

The length of the side of square B is not given in the figure so that students fail to find the base of the triangle to calculate the area.

Answer: The area is _____ m².

Sorting It Out

From the figure, we can see that 3 times the length of one side of square A is equal to 2 times the length of one side of square B. Make use of this information to find the base and the height of the triangle.

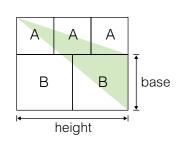
Base of the triangle = length of one side of square B

= length of one side of square
$$A \times 3 \div 2$$

Height of the triangle = length of one side of square $\mathsf{A}\times\mathsf{3}$

$$= 4 \times 3$$

$$\frac{(4 \times 3 \div 2) \times (4 \times 3)}{2} = 36$$
 Area of the triangle is 36 m².

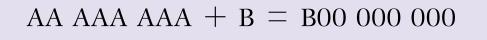


Brain Training



The following is an expression of adding a 1-digit number to an 8-digit number. Write the digits represented by A and B respectively.

Series



A = _____ B = _____

