SOLVING PROPORTION PROBLEMS

1st	SET UP the proportions.
2nd	MULTIPLY the cross numbers.
3rd	Write an expression.
4th	Divide by the 3rd number to find x.

1st Set up the proportion.	2nd Multiply.	3rd Write the expression.	4th Divide.

(1) $\dfrac{14}{2} = \dfrac{x}{10}$

① 7
② 14
③ 70
④ 140
⑤ 180

1st Set up the proportion.	2nd Multiply.	3rd Write the expression.	4th Divide.

(2) $\dfrac{10}{3} = \dfrac{x}{150}$

① 5
② 50
③ 500
④ 1500
⑤ 15000

1st Set up the proportion.	2nd Multiply.	3rd Write the expression.	4th Divide.

(3) $\dfrac{x}{42} = \dfrac{6}{7}$

① 3
② 30
③ 36
④ 252
⑤ 256

1st Set up the proportion.	2nd Multiply.	3rd Write the expression.	4th Divide.

(4) $\dfrac{7}{x} = \dfrac{4}{12}$

① 2
② 21
③ 84
④ 210
⑤ 240

1st SET UP the proportions.
2nd MULTIPLY the cross numbers.
3rd Write an expression.
4th Divide by the 3rd number to find x.

1st Set up the proportion.	2nd Multiply.	3rd Write the expression.	4th Divide.

(5) $\dfrac{4}{1} = \dfrac{16}{x}$

① 4
② 16
③ 64
④ 160
⑤ 200

1st Set up the proportion.	2nd Multiply.	3rd Write the expression.	4th Divide.

(6) $\dfrac{9}{2} = \dfrac{x}{12}$

① 5
② 54
③ 108
④ 540
⑤ 620

1st Set up the proportion.	2nd Multiply.	3rd Write the expression.	4th Divide.

(7) $\dfrac{x}{5} = \dfrac{5}{25}$

① 0
② 1
③ 5
④ 10
⑤ 25

1st Set up the proportion.	2nd Multiply.	3rd Write the expression.	4th Divide.

(8) $\dfrac{30}{x} = \dfrac{3}{15}$

① 15
② 150
③ 450
④ 500
⑤ 550