A PROPORTION IS TWO EQUAL RATIOS

1. There are 6 **red** marbles and 12 **blue** marbles in a bag.

   How many **red** marbles would you have in a smaller bag that has 8 **blue** marbles?

	⊘	⊘	⊘	
⊙	⊙	⊙	⊙	⊙
⓪	⓪	⓪	⓪	⓪
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

2. In one room, there are 3 **windows** and 2 **doors**.

   How many **windows** are there in a room that has 4 **doors**?

   ① ② ③ ④ ⑤
   (1) 3
   (2) 4
   (3) 5
   (4) 6
   (5) 7

3. A picture that is 3 inches **wide** and 5 inches **long** is enlarged.

   How **wide** is the enlargement if it is 12 inches **long**?

   ① ② ③ ④ ⑤
   (1) 7.2
   (2) 7.5
   (3) 7.6
   (4) 7.7
   (5) 7.8

4. In one classroom, there are 20 **girls** and 10 **boys**.

   How many **boys** are there in a classroom that has 60 **girls**?

	⊘	⊘	⊘	
⊙	⊙	⊙	⊙	⊙
⓪	⓪	⓪	⓪	⓪
①	①	①	①	①
②	②	②	②	②
③	③	③	③	③
④	④	④	④	④
⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨

5. If you mix 3 parts of **green** paint to 1 part of **white** paint,

   how many parts of **green** paint will you need if you have 5 parts of **white** paint?

   ① ② ③ ④ ⑤
   (1) 5
   (2) 10
   (3) 15
   (4) 20
   (5) 25