

→ WORKSHEET 4.2

GOING VIRAL – HOW PHOTO SHARING CAN GET OUT OF HAND

Imagine you see a picture that you think all of your friends would really like. You decide to share the picture online or using a messaging app.

After 10 minutes all of the people you shared the picture with have seen it. Write down the number of people with whom you shared the picture in the shaded box.

Now fill in that same number into each of the shaded boxes. Each person who sees the photo then goes on to share the picture with all of their friends, within 10 minutes. To estimate how many people will have seen the picture after twenty minutes you should multiply the numbers in the two boxes together and fill in your answer in the Total number of people section.

Complete the sums to find out how many people will have seen the picture after an hour.

After...	The photo has been shared with ...	Total number of people:
10 minutes	<input type="text"/>	=
20 minutes	<input type="text"/> x <input type="text"/>	=
30 minutes	<input type="text"/> x <input type="text"/> x <input type="text"/>	=
40 minutes	<input type="text"/> x <input type="text"/> x <input type="text"/> x <input type="text"/>	=
50 minutes	<input type="text"/> x <input type="text"/> x <input type="text"/> x <input type="text"/> x <input type="text"/>	=
1 hour	<input type="text"/> x <input type="text"/> x <input type="text"/> x <input type="text"/> x <input type="text"/> x <input type="text"/>	=