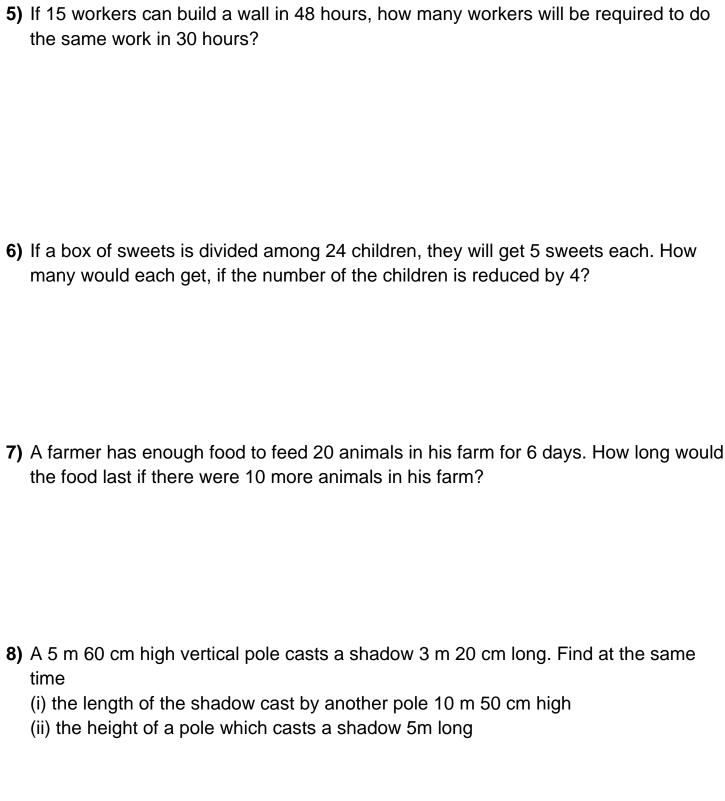


Direct and Inverse Variations worksheet

| 1) | A contractor employed 210 men to build a house in 60 days. After 12 days, he was joined by 70 more men. In how many days will the remaining work be finished? |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2) | Tap A can fill a tank in 36 hours and tap B can fill a tank in 45 hours. If both the taps are opened simultaneously, how long would it take to fill the tank? |
| 3) | An electric pole, 14 meters high, casts a shadow of 10 meters. Find the height of a tree that casts a shadow of 15 meters under similar conditions. |
| 4) | 6 pipes are required to fill a tank in 1 hour 20 minutes. How long will it take if only 5 pipes of the same type are used? |







Answers:

- 1. 36 days
- 2. 20 hrs
- 3. 21m
- 4. 1h 36 min
- 5. 24
- 6. 120
- 7. 4 days
- 8. i) 6m
 - ii) 8.75 m