

Master Maths 7 Worksheet 9
Problem Solving

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Name: _____

1. The lowest temperature overnight was 7°C .
The highest temperature the next day was 25°C .
By how many degrees did the temperature rise that day?

2. A truck weighs 2350 kg.
22 containers each weighing 75 kg are loaded onto the truck.
What will be the total weight of the truck and its load?

3. Tim makes picture frames. It takes him 40 minutes to make each frame.
(a) How many minutes will it take him to make 15 frames?

(b) How many hours is this?

(c) Tim has calculated that the material for each frame costs \$25.
Tim charges \$20 per hour for his labour.
What will be the total charge (materials and labour) for Tim to make the 15 frames?

4. Chloe is starting a job earning \$18 per hour.
If she works for 14 hours, how much will she earn?

5. Jason works for 12 hours and earns \$192.
How much did he earn each hour?

6. There are 52 people who want to play in a badminton competition. Each team is to have four players.
How many teams can be formed?

7. A sporting club is going to conduct a ride-a-thon to raise money.
One bike is to be ridden non-stop for two days. There are 24 riders.
For how many hours will each rider need to ride?

8. Bales of horse feed are being sold at a special price of \$8 per bale for a minimum of 30 bales.
Four friends decide to equally share the cost of buying 30 bales.
How much will they each need to pay?