

Master Maths 7 Worksheet 17

Fractions - Problem Solving

17

Name: _____

1. Don, Ron and Con earned \$300. Don is to receive one-quarter, Ron is to receive one-fifth and Con will receive the remainder.

(a) What fraction of the earnings will Con receive?

(b) How much will they each receive?

Don	
Ron	
Con	

2. A water container holds $2\frac{1}{2}$ litres. How many of these containers would be needed to fill a 30 litre drum?

3. A crowd 3000 spectators watched a game of soccer between the Strikers and the Onsiders. Four-fifths of the crowd barracked for the Strikers. How many people barracked for each team?

Strikers	
Onsiders	

4. A brick weighs $\frac{3}{4}$ kg.

(a) What would be the weight of 240 bricks?

(b) How many bricks would there be in a crate that weighs 600 kg?

5. Friends were watching a movie that was $3\frac{1}{2}$ hours long. They decided to stop it three-fifths of the way through to have a snack.

(a) How many hours were remaining?
Give answer as a mixed number.

(b) How many minutes were remaining?

6. A cyclist completes 30 laps of a track in 18 minutes.

(a) How many minutes did it take to complete one lap?
Give answer as a fraction in its simplest form.

(b) How many minutes would it take to complete 80 laps?

(c) How many laps could be completed if the cyclist rode for one hour?

7. A mixture of sand and cement was such that the amount of cement was one-quarter the amount of sand. How many kilograms of each would be required to make 20 kg of the mixture?

sand	
cement	