

Master Maths 7 Worksheet 22

Decimal Numbers - Problem Solving

22

Name: _____

1. How many balls weighing 0.3 kg each would be in a box that weighs 13.5 kg?

2. Four friends go out for dinner and the bill is \$51.40. If they divide the bill equally, how much should they each pay?

3. A bag contains 11 balls - some tennis balls and some cricket balls.
The total weight of the 11 balls is 2 kg.
Each tennis ball weighs 0.10 kg.
Each cricket ball weighs 0.25 kg.
Find the number of each type of ball.

tennis balls	
cricket balls	

4. Jim bought a muffin, roll and juice for a total cost of \$8.30.
Jacqui bought a muffin and roll for \$6.05.
Peta bought a roll and juice for 5.85.
Find the price of each item.

muffin	
roll	
juice	

5. What is the weight of a dozen eggs if each weighs 0.045 kilograms?

6. Danni's three long jump attempts were 4.78 m, 5.06 m and 4.95 m.
Find the average of these three jumps.

7. A green grocer noticed that three mangoes weighed the same as four avocados.
The mangoes each weighed 0.24 kg.
Find the weight of an avocado.

8. Gareth took 18 minutes 45 seconds to complete 15 laps of a go-cart track.
(a) Change the time taken to a decimal number of minutes.

	min
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- (b) Use this decimal time to find the average time taken per lap (as a decimal number)

	min
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- (c) Change this average lap time to minutes and seconds.

	min	sec
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