Problems involving 'real life', money or measures

1. Mr James recently ran a local marathon. The marathon was 26 miles long. He walked for 6.5 miles and jogged for 16.25 miles and ran the rest of the way. What fraction of the race did he walk, jog and run? *¼ walk , ⅝ jog ⅛ run*

2. I think of a number. I subtract 25 and divide by 2.5. The answer is 24. What was my number?

   85

3. The local shop has these offers: 3 pairs of socks for £4.35, 5 hats for £11.25, 4 pairs of gloves for £6.40. How much does one of each of these things cost?

   socks £1·45   hat £2·25   gloves £1·60

4. The local farmer has 2 sheds on his land. One covers an area of 112m² and the other one covers an area of 80m². If he knocks them down to build one new shed with the same area what could the dimensions be? *own response for 192m²*

5. Bobby is having a new bike for his birthday. It is 5.30 pm on 12th September. Bobby's bike is arriving at 9.00 pm on 18th September. How many hours does he have to wait? *147½ hrs*

6. Sakti cycles his bike at 24.4km an hour. It takes him 45 minutes to cycle to his grandma's house. How many metres away does his grandma live?

   18,300m

7. Joshan has £20 to spend. The exchange rate is £1 to 1.76 US dollars. How many drinks costing 2 dollars can he buy?

   17

8. The junior school in the village uses 4 and a quarter times as much water as the infant school. If the infant school uses 254 litres of water a month, how much does the junior school use? *1079·5*

9. A box of paper clips holds 205. The school secretary orders 17 boxes. How many paper clips will the school have altogether?

   3485

10. At the camping shop Catherine buys a new tent worth £133.45 and a new sleeping bag worth £28.50. What will she have to pay if the shopkeeper adds VAT at 20% to the total?

    £194·34