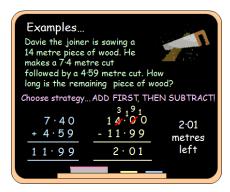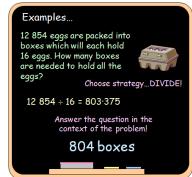# Outcome 1 – Number Problems in Context

Bronze examples

Examples…

There are 74 people on a bus. It then makes a stop and a further 19 people get on. How many people are now on the bus?   Choose strategy…ADD!

74 + 19 = 93 people   Solve the problem!

There are 20 slices of bread in a loaf. How many loaves can 100 slices be made into?   Choose strategy…DIVIDE!
Solve the problem!
100 ÷ 20 = 5 loaves

Silver example

Examples…

Davie the joiner is sawing a 14 metre piece of wood. He makes a 7·4 metre cut followed by a 4·59 metre cut. How long is the remaining piece of wood?

Choose strategy… ADD FIRST, THEN SUBTRACT!

$$7 \cdot 40 + 4 \cdot 59 = 11 \cdot 99$$

$$14 \cdot \overset{3}{\cancel{0}}\overset{9}{\cancel{0}}\overset{1}{0} - 11 \cdot 99 = 2 \cdot 01$$

2·01 metres left

Gold example

Examples…

12 854 eggs are packed into boxes which will each hold 16 eggs. How many boxes are needed to hold all the eggs?

Choose strategy…DIVIDE!

12 854 ÷ 16 = 803·375

Answer the question in the context of the problem!
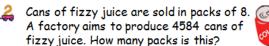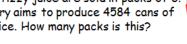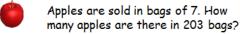
804 boxes

Bronze Questions

Choose your strategy for the following questions…then solve the problem!
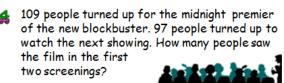
1. Before a family road trip a car had did 23 985 miles. After the trip, the car had did 24 162 miles. How far did the family travel on their road trip?
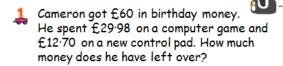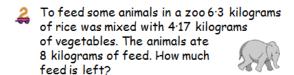
2. Cans of fizzy juice are sold in packs of 8. A factory aims to produce 4584 cans of fizzy juice. How many packs is this?

3. Apples are sold in bags of 7. How many apples are there in 203 bags?

4. 109 people turned up for the midnight premier of the new blockbuster. 97 people turned up to watch the next showing. How many people saw the film in the first two screenings?

Silver Questions

Choose your strategy for the following questions…then solve the problem!

1. Cameron got £60 in birthday money. He spent £29·98 on a computer game and £12·70 on a new control pad. How much money does he have left over?

2. To feed some animals in a zoo 6·3 kilograms of rice was mixed with 4·17 kilograms of vegetables. The animals ate 8 kilograms of feed. How much feed is left?
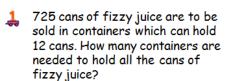
3. The Byrne's set out on a journey of 123 miles. They travel 37·78 miles and have a break. They then travel a further 60·295 miles. How much further do they have to travel?

Gold Questions

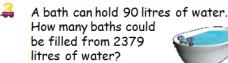Choose your strategy for the following questions…then solve the problem!

1. 725 cans of fizzy juice are to be sold in containers which can hold 12 cans. How many containers are needed to hold all the cans of fizzy juice?

2. Organic bananas are sold in bags of 7. How many bags can be made from 304 bananas?

3. A bath can hold 90 litres of water. How many baths could be filled from 2379 litres of water?

Bronze Answers

1. 177 miles   2. 573 packs

3. 1421 apples   4. 206 people

Silver Answers

1. £17·32

2. 2·47 kilograms

3. 24·925 miles

Gold Answers

1. 61 containers   2. 43 bags   3. 26 baths