

## DECIMALS : REAL LIFE APPLICATIONS

Chloe is building a fence for her garden. The fence costs £7.20 per metre to build.

The fence is 15 metres long.

Work out the total cost of building the fence

£ \_\_\_\_\_

Mrs Webb has a roll of ribbon that is 44.24m long. She needs strips of ribbon that are 4.0m long . How many 4.0m strips will Mrs Webb get from the roll?

\_\_\_\_\_ Strips

Mrs Sophie bought 5bangles at \$4.75 each. She gave the cashier \$30. How much change did she receive ? .

\$ \_\_\_\_\_

A drum contains bags of red beans and kidney beans. The mass of a bag of red beans was 1.27kg. The mass of a kidney bag is 0.57kg. If the total mass of some number of bags of red beans and 1 bag of kidney beans is 5.65 kg . What is the mass of a bag of kidney bean ?

\_\_\_\_\_ bags

A plant grows at a rate of 3cm each week. (a) After how many weeks does it take the plant to grow from a height of 70cm to a height of 1.24m?

\_\_\_\_\_ weeks

Kit saved \$12.75. Kit saved 3 times as much as Carl.

Mira saved three times as much as Carl. How much money do the three of them have altogether ?

\$ \_\_\_\_\_

**BONUS QUESTION !!!!**

State whether each answer is more than 20 or less than 20. Write "more than" or "less than" for each :

$20 \times 0.8$  \_\_\_\_\_

$0.2 \times 200$  \_\_\_\_\_

$20 \div 0.8$  \_\_\_\_\_

$0.2 \div 200$  \_\_\_\_\_

Alison changes £16 into US dollars. .

The exchange rate is £1 to \$1.40

How many US dollars does Alison receive?

\$ \_\_\_\_\_

Shown below is a 2 pence coin.



Each 2 pence coin is 0.2cm thick.

Stephen builds a tower of total height 250cm . How many 2p coins did Stephen use?

\_\_\_\_\_

Nora had 9 fifty cent coins and twenty cent coins. They add up to a total value of \$3.30. How many twenty cent coins does she have ?

\_\_\_\_\_

There are 9 lamp posts along a road 6km long. All the lamp posts were equal distance from one another. How far apart is the first lamp post from the second lamp post?

\_\_\_\_\_ km

Box A contained 25.4kg more cherries than Box B. Sarah removed 13.2kg cherries from Box B and added them to box A.

What is the difference between the mass of Box A and Box B in the end?

\_\_\_\_\_ kg

The total mass of a clay pot and 2bags of soil was 13.1kg. When some pebbles were added to the pot , The total mass became 26.84kg. The mass of the pebbles was 3 times the mass of a bag of soil. What is the mass of 1bag of soil ?

\_\_\_\_\_ kg

When full, the water in Kezia's swimming pool has a depth of 1.6m Kezia starts to empty the swimming pool.

The depth of the pool decreases by 7.5cm each minute. Assume that the depth of the water continues to decrease at the same rate.

After how many minutes will the depth of the water in the swimming pool reach 40cm.