



Move On Up: Learning Chunk – Entry 3 numeracy

Estimating: Assessment

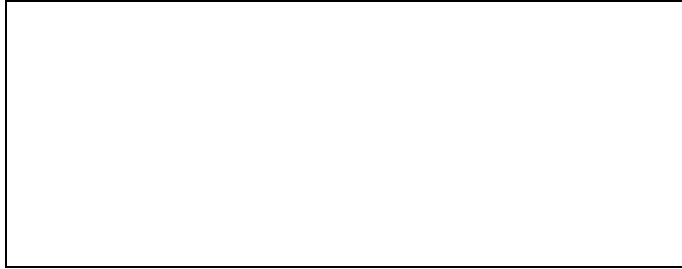
Short task

Jim and Paul are working in a carpentry workshop. Today they are preparing the doors for a house that is having new doors fitted.

- 1 They are preparing the materials to put the hinges and handles on the doors.
 - a) Each hinge needs six screws and there are two hinges for each door. How many screws will they need for the hinges for each door?

- b) Each handle needs four screws and there are two handles for each door. How many screws will they need for the handles for each door?

- c) They need an extra two screws for each door for the doorplate which will go on the door frame. How many screws will they need altogether for each door?



- d) Estimate how many screws they will need for nine doors. Show here how you estimated this:



2 Screws come in different packs.

a) Jim and Paul are using screws which come in packs of 20. Roughly how many packs will they need for each door?

b) Estimate how many packs of screws they will need for all nine doors.

c) Each pack of 20 screws cost 93p. Estimate how much it will cost to buy all the screws.

3 Handles cost £6.95 for a pack of two handles. Estimate how much it will cost to buy the handles for all nine doors.

4 It takes Jim and Paul about 27 minutes to fit the handles and hinges to the first door.

a) Approximately how many minutes will it take them to fit the handles and hinges to all nine doors?

b) Roughly how long is this (to the nearest hour)? There are 60 minutes in an hour.

Mini test

- 1 Sandwiches cost £2.05 each. Sue is buying six for her office mates. Which of these is the best estimate of the cost of the six sandwiches?
- A £12 B £3 C £13 D £4
- 2 Andy is going on a 385 mile journey. If he travels 65 miles every hour, roughly how many hours will the journey take?
- A 3 hours B 6 hours C 21 hours D 12 hours
- 3 Pauline buys items which cost £41.95 and £16.99. Which is the best estimate of the total cost of the two items?
- A £58 B £57 C £60 D £59
- 4 What is 47.4 km/hr to the nearest 10 km/hr?
- A 40 km/hr B 50 km/hr C 45 km/hr D 47 km/hr
- 5 Petrol costs 93.4 pence per litre. I put 38 litres in my tank and estimate how much it will cost. Which of these estimates will be closest?
- A £38 B £36 C £30 D £40
- 6 My friends and I are doing a sponsored swim. We are aiming to swim 1,600 metres between us. How many 20 metres lengths of the pool will this be altogether?
- A 80 lengths B 800 lengths C 8 lengths D 40 lengths