

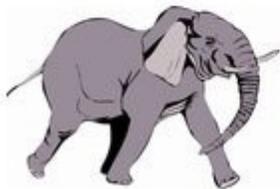
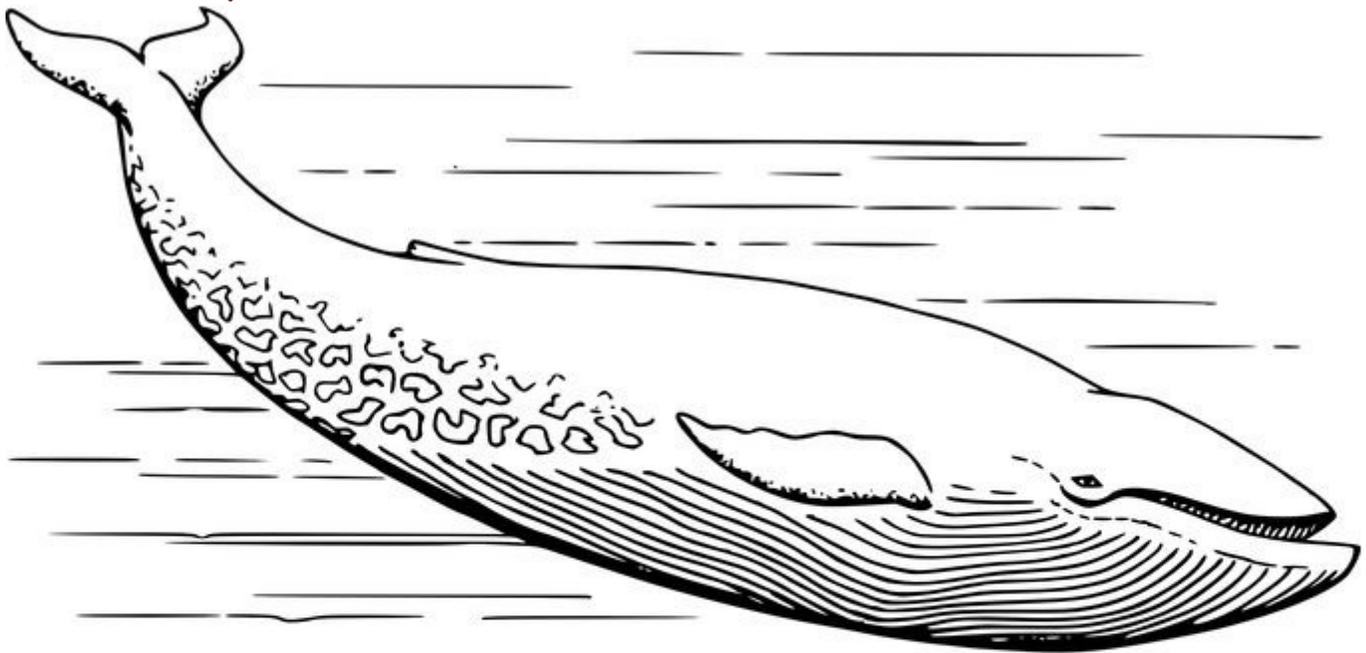
MORE PRACTICE - PROBLEM SOLVING 2

ESTIMATING MEASUREMENTS OF LENGTHS

Sometimes we need to measure an object and know the exact measurement. Yet, sometimes you may not need to know the exact measurement. When we estimate, we do not just guess. We need to use some tool of measurement. Our tools could be a ruler or a measuring tape.

Let's look at some examples. Then you will have some online exercises to complete.

PRACTICE QUESTION 1:



5 metres long

The length of the African Elephant is 5 metres long. Can you estimate the length of the Blue Whale? Use the elephant to help you estimate the length of the whale.

PRACTICE QUESTION 2:

Consider, the man below. He is at average height. How many humans of similar height can equal the length of the whale?



Explain your answer.

PRACTICE QUESTION 3:

Can you estimate the height of this eight year old boy? What tool would you use?



Practice answers:

1. Practice 1 answer: If you estimate the length of the Blue Whale as 25 m, you are correct.
2. Practice question 1: Approximately 14 men will measure up to the Blue Whale.
3. If you say a meter stick or a measuring tape you are correct.

Practice solving some real-life problems involving lengths, number and money.

1. QUESTION

A length of pipe is \$45. How much would he pay for a 12 m of pipe?



A length pipe is 3 m long

Answers =

2. QUESTION

A strip of wood measuring 3 m 80 cm long is used to make shelves. If Tom needs to make 6 shelves that are 40 cm long, how much of the wood is left?

Answer =

3. QUESTION

Anna found an offer of 2 balls of twine for \$230. One ball of twine was 5 m and 52 cm long. How much lengths of twine did she buy and how much was one ball of twine?



Answers=

4. QUESTION

Aaron runs every 7 kilometres every day. How much would he run in the week if he runs twice his daily distance on Saturday and Sunday?



Answer =

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5. QUESTION

Three sisters will share a length of ribbon 8 m 37 cm long equally. How much does each get?

Answer =