Name:

Exam Style Questions

Sensible Estimates

Corbettmaths

Equipment needed: Pen, Ruler, Pencil, Calculator

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

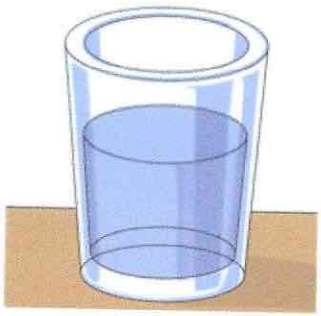
Video Tutorial

www.corbettmaths.com/contents

Video 285

Answers and Video Solutions

1. Shown below is a glass of water.



Below are four estimates of the amount of water in the glass.
Circle the most appropriate estimate.

15ml 1.5L 150ml 15L

(1)

---

2. Shown below is Jack.

Circle the most appropriate estimate for his height.

1.8mm 1.8cm 1.8m 1.8km

(1)

3. Thomas weighs his pet mouse.

Circle the most appropriate estimate for the mass of the mouse.

25g 2.5kg 25kg 2.5 tonnes

(1)

4. Nicole measures the length of a garden.

Circle the most appropriate estimate for the length of the garden.

23mm 23cm 23m 23km

(1)

5. Olivia measures the thickness of a key.

Circle the most appropriate estimate for the thickness of the key.

3mm 3cm 3m 3km

(1)

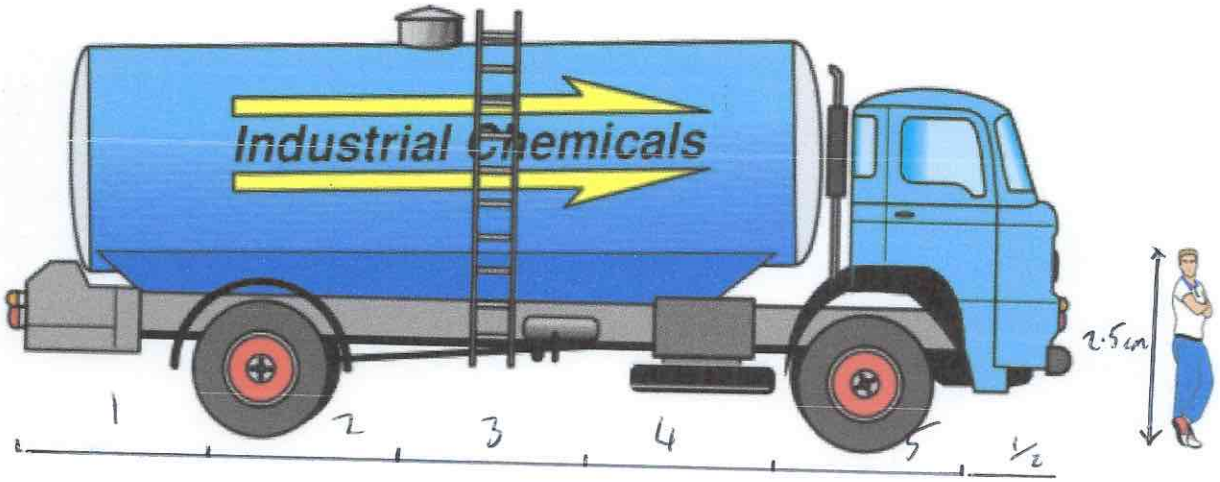
6. Jessica measured the height of her 10 year old son.

Circle the most appropriate estimate for the height of her son.

14m 14cm 1.4m 1400cm

(1)

7. The scale diagram shows a man and a lorry.



The man is 6 feet tall.

Estimate the length of the lorry in feet.

5.5 × 6 = 33 feet

33 feet

(2)

8

The scale diagram shows a girl and a house.

The girl is 1.5 metres tall.
Estimate the height of the house.

$12 \div 2 = 6$

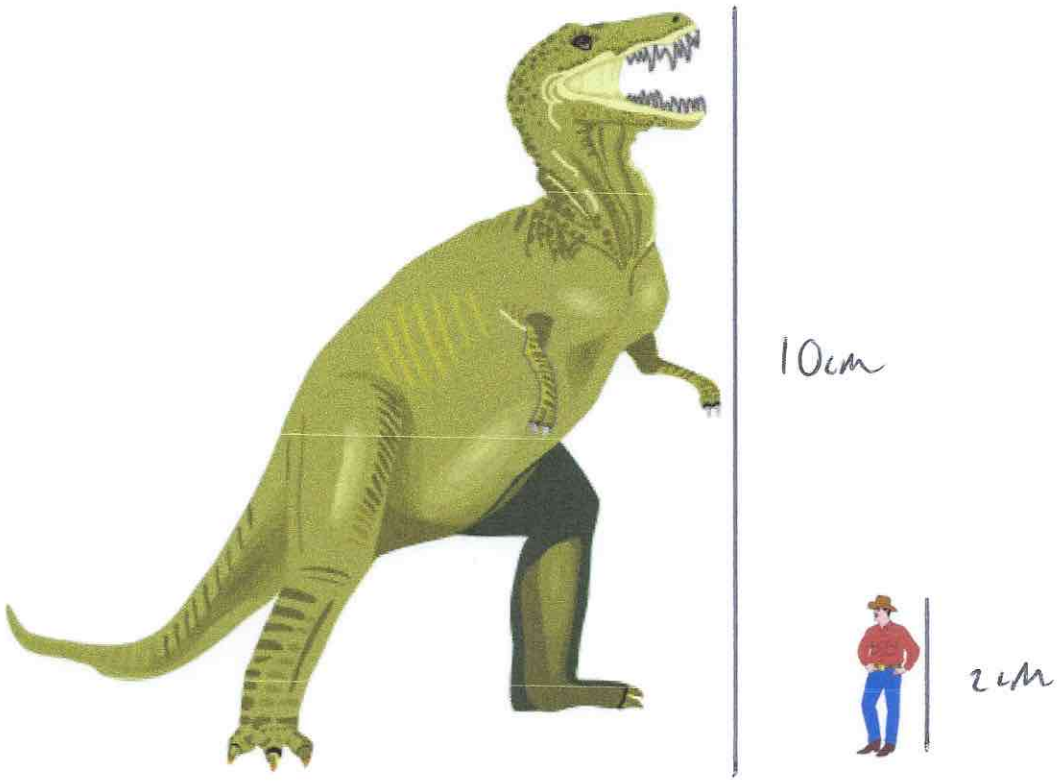
$1.5 \times 6 = 9m$

9m

.....

(2)

9. The diagram below is drawn to scale.



The man is 6 foot tall.

$10 \div 2 = 5$

Estimate the height of the Tyrannosaurus Rex:

(a) in feet

$6 \times 5 = 30$

Given 1 foot $\approx$ 30cm

30 feet

(2)

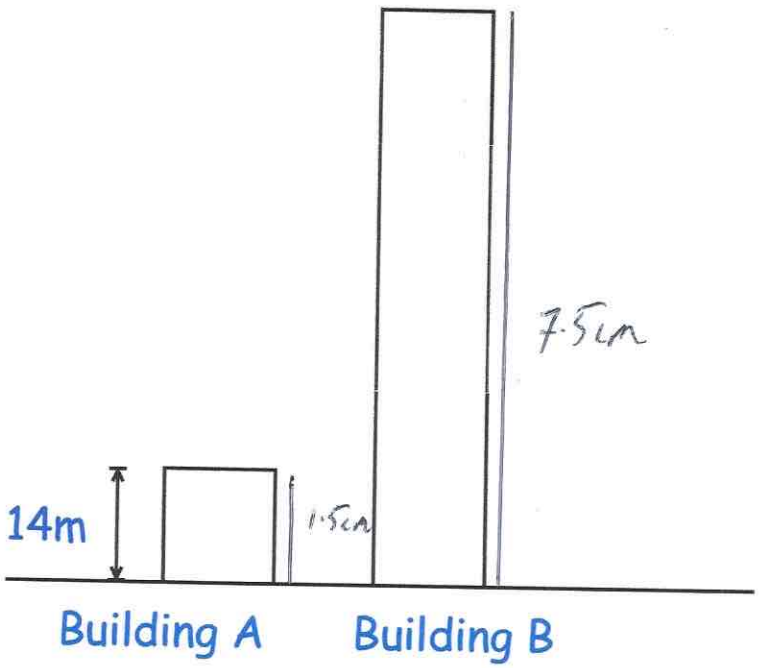
(b) in metres

$30 \times 30 = 900$ cm

9m

(2)

10. Shown below is a scale drawing of two buildings.



The height of building A is 14m.

Work out the height of building B.

$7.5 \div 1.5 = 5$

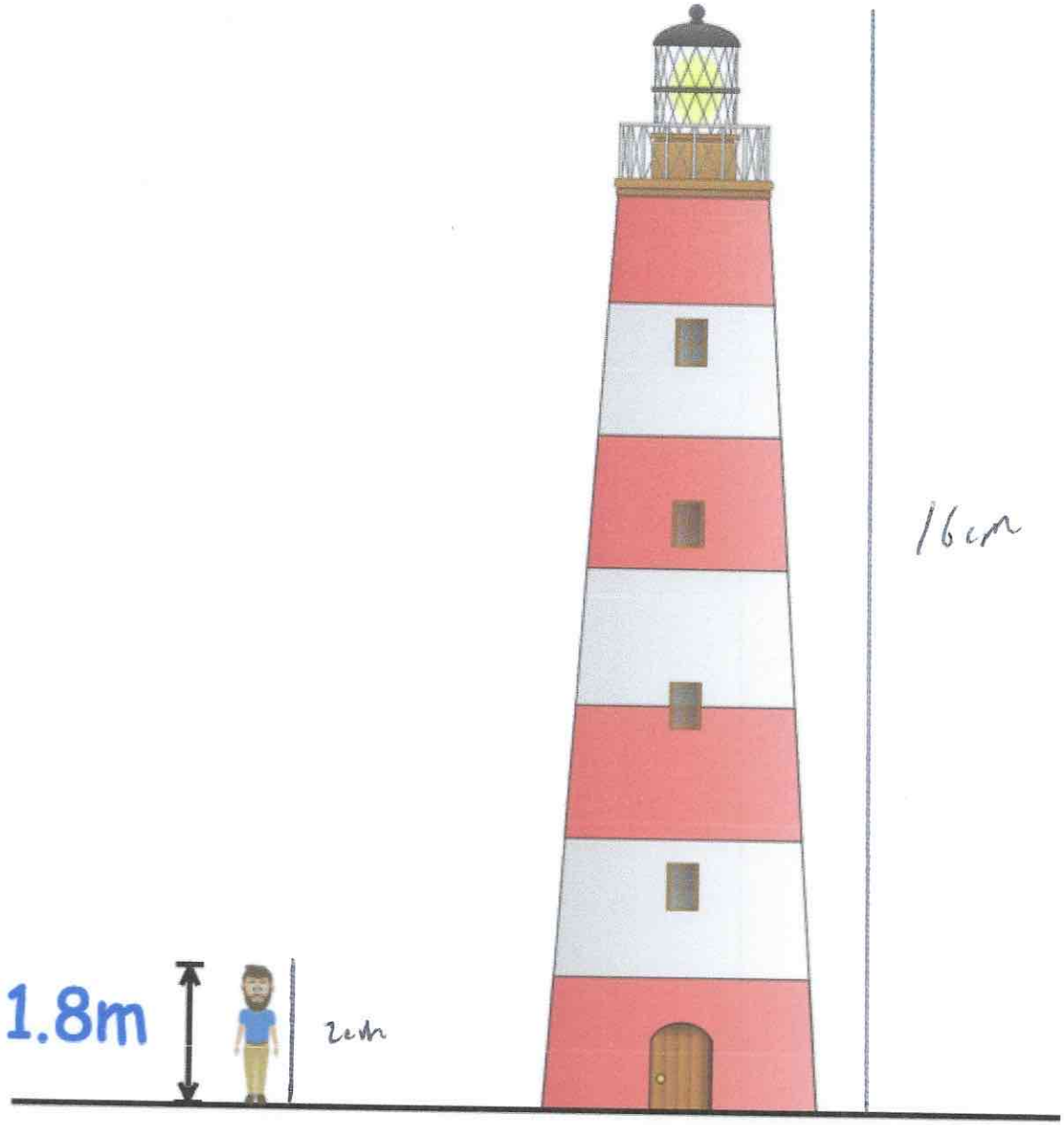
$14 \times 5 = 70$

70m

.....

(2)

11.



The man has a height of 1.8m

Estimate the height of the lighthouse.

$16 \div 2 = 8$

$1.8 \times 8 = 14.4\text{m}$

14.4m

.....

(2)