Monday: Questions 1 – 4

Tuesday: Questions 5 – 7

Chapter 25: Weight

1. Match each of the following to their weight.

(a) 

(b) 

(c) 

(d) 

(e) 

(f) 

1kg	680kg	35kg	7·5g	1,800kg	170g

2. Fill in this table.

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Grammes			720g				600g	
Fraction of kg	$\frac{7}{1000}$ kg			$\frac{30}{1000}$ kg		$\frac{2}{10}$ kg		$\frac{1}{2}$ kg
Decimal of kg		0·819kg			0·3kg			

3. Fill in the missing grammes or kilogrammes.

(a) 2·734kg = _____ g

(b) 5,907g = _____ kg

(c) 3·07kg = _____ g

(d) 19g = _____ kg

(e) 390g = _____ kg

(f) 3·004kg = _____ g

4. True ☑ or false ☒ ?

(a) 3kg 14g = 3·14kg ☐

(b) 90g = 0·09kg ☐

(c) 4·9kg = 4kg 90g ☐

(d) $2\frac{1}{5}$ kg = 2kg 500g ☐

(e) 800g = $\frac{80}{100}$ kg ☐

(f) 3kg 750g = $3\frac{3}{4}$ kg ☐

5. Add or subtract.

(a) 7kg 470g + 6·894kg

(b) 32·7kg – 5·983kg

(c) 6kg 9g + 21kg 84g

(d) 43·91kg – 5,197g

(e) 20kg – 7,436g

(f) 52kg 34g – 42·705kg

(g) 74·269kg + 9,386g

(h) $83\frac{72}{1000}$ kg – 16·48kg

(i) $69\frac{8}{100}$ kg + 3,075g

6. Multiply or divide (change to decimals first!).

(a) 8kg 475g ÷ 5

(b) $3\frac{1}{2}$ kg × 9

(c) 5kg 38g ÷ 2

(d) $21\frac{19}{100}$ kg × 6

(e) 5,456g ÷ 4

(f) $15\frac{60}{100} \div 6$

(g) $21\frac{4}{5}$ kg × 8

(h) $12\frac{84}{1000}$ kg × 8

7. A 1,967kg rhino gave birth to a calf weighing 45kg.
What did the rhino weigh just before she gave birth?

_____ kg

Wednesday: Questions 1 – 6

Thursday: Questions 7 – 10 (+ Challenge)

Weight

1. 
The heaviest mango ever grown weighed 3kg 435g and the heaviest ever pineapple weighed $8\frac{28}{100}$kg. How much heavier was the pineapple?

_____kg _____g

2. A bald eagle can lift prey half its own weight. If a 5·1kg bald eagle flew away with a catch, what is the maximum weight it could be?


_____kg _____g

3. A shot-put weighs 7kg 260g. If you threw the put six times in a row, what is the total weight you would have thrown?


_____kg _____g

4. 
A litre of milk weighs $1\frac{3}{100}$kg, a litre of ice cream weighs 525g and a litre of orange juice weighs 1kg 55g. How much do they weigh in total?

_____kg _____g

5. 
The world's heaviest ever baby weighed $10\frac{1}{5}$kg. If a typical baby weighs $\frac{1}{3}$ of that, how much would it weigh?

_____kg _____g

6. On their climb to the top of Mount Everest, Edmund Hillary and Tenzing Norgay carried loads of 19·958kg each. What was the total weight they carried?


_____kg _____g

7. **Work out the cost per kilogramme of these barbecue items.**

Item	Weight	Cost	Cost per kg
Sausages	300g	€4·17	
Burgers	10 × 150g	€12·45	
Corn on the cob	4 × 125g	€3·25	
Chicken wings	600g	€5·10	
Prawns	400g	€7·04	
Lamb kebabs	5 × 120g	€6·24	

8. 
The heaviest mammal on Earth is the blue whale (190,000kg) while the heaviest reptile is the saltwater crocodile (450kg). How much heavier is the blue whale?

_____kg

9. The heaviest hailstone ever recorded weighed $\frac{76}{100}$kg. If a teaspoon of water weighs 5g, how many teaspoons of water were in that hailstone? _____

10. 
Butter is usually sold in packets of 454g. If a restaurant needed 2kg of butter, how many packets would they have to buy? _____

Challenge

In old measures, one ounce is equal to 28 grammes and one pound is equal to 454g. If a baby weighed 8 pounds 6 ounces, what is its weight in kilogrammes?

_____kg

Based on: Busy at Maths 5, pages 138–139

Friday: Questions 1 – 10

A quick look back 4

LOOK BACK

1. How many minutes are there in $\frac{1}{3}$ of an hour? _____

2.  How many minutes are there in three and a half hours? _____

3. Write 9.45pm in the 24-hour clock system. [:]

4.  A train left at 14:43 and got back at 17:25. The journey took _____ hrs _____ mins.

5.  Peter watched a film that lasted 112 mins. It started at 19:38. It finished at [:]

6. A rectangle has an area of 63m². If its length is 9m, what is its perimeter? _____ m

7. The perimeter of a rectangle is 44cm. Its length is 12cm. What is its area? 

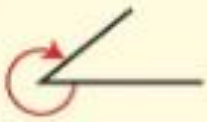
_____ cm²

8.  Olivia had €60. She spent 75% of it on a watch. The watch cost € _____ .

9. A cyclist has completed 0·6 of a 90km race. How many km has he still to go?  _____ km

10. Paula drank 65% of a bottle of water that contained one litre. How many millilitres did she drink? _____ ml

11. Ring the biggest amount: 0·59, $\frac{3}{5}$, 63%, $\frac{62}{100}$

12.  What do we call this size of angle? _____

13. 0·4 of Jack's money is €30. How much money has he altogether? € _____

14. Increase 55 by 20% of itself. _____

15.  A hurley normally costs €40. During a sale, the price was reduced by 30%. What was the sale price of the hurley? € _____

16. The hottest temperature in Oslo one day was +11°C. The coldest that night was −9°C. What is the difference in degrees Celsius between the two? _____ °C

17. Jed's soccer team has a goal difference of +17. Jenny's team has −16. How much better is Jed's team's goal difference? _____

18. A box of cereal used to weigh 600g. You now get 25% extra free. How much does it now weigh? _____ g 

19. Gina has €36. Gene has 25% more. How much has Gene? € _____

20. Decrease 60 by 0·75 of itself. _____