

## Chapter 7: Multiplication 1

1. Multiply the following. Estimate first by rounding to the nearest 100.

(a) Est: <input type="text"/> $294 \times 3 =$ _____	(b) Est: <input type="text"/> $413 \times 5 =$ _____	(c) Est: <input type="text"/> $786 \times 4 =$ _____	(d) Est: <input type="text"/> $524 \times 6 =$ _____
(e) Est: <input type="text"/> $165 \times 9 =$ _____	(f) Est: <input type="text"/> $327 \times 7 =$ _____	(g) Est: <input type="text"/> $858 \times 2 =$ _____	(h) Est: <input type="text"/> $916 \times 8 =$ _____

2. Multiply by moving each digit one place to the left.

(a) $47 \times 10 =$ _____	(b) $98 \times 10 =$ _____	(c) $423 \times 10 =$ _____	(d) $1,547 \times 10 =$ _____
(e) $6,329 \times 10 =$ _____	(f) $60 \times 10 =$ _____	(g) $5,391 \times 10 =$ _____	(h) $8,324 \times 10 =$ _____


3. Now give these a go.

(a) $49 \times 30 =$ _____	(b) $625 \times 80 =$ _____	(c) $740 \times 90 =$ _____	(d) $485 \times 50 =$ _____
(e) $739 \times 10 =$ _____	(f) $812 \times 70 =$ _____	(g) $613 \times 80 =$ _____	(h) $987 \times 40 =$ _____

4. A sports shop has 517 jerseys on its shelves. What is their total value?

Est:  Answer: € \_\_\_\_\_



5.  If Emma swims 40 lengths every day, how many lengths will she swim in a leap year?

Est:  Answer: \_\_\_\_\_

6. Estimate first and then multiply.

(a) Est: <input type="text"/> $435 \times 27 =$ _____	(b) Est: <input type="text"/> $851 \times 63 =$ _____	(c) Est: <input type="text"/> $392 \times 81 =$ _____	(d) Est: <input type="text"/> $547 \times 45 =$ _____
(e) Est: <input type="text"/> $927 \times 43 =$ _____	(f) Est: <input type="text"/> $729 \times 91 =$ _____	(g) Est: <input type="text"/> $638 \times 72 =$ _____	(h) Est: <input type="text"/> $219 \times 98 =$ _____

## Multiplication 1

1. Estimate first and then multiply these decimals.

(a) Est:

$9.82 \times 7 =$

(b) Est:

$14.9 \times 6 =$

(c) Est:

$23.07 \times 9 =$

(d) Est:

$42.6 \times 7 =$

(e) Est:

$28.91 \times 4 =$

(f) Est:

$50.7 \times 8 =$

(g) Est:

$36.24 \times 5 =$

(h) Est:

$84.57 \times 6 =$

2. Work out the total lengths.



2.4cm



4.9cm



14.5cm



0.48m



8.3cm



1.27m

(a) 5 pencils = \_\_\_\_\_ cm

(b) 3 paintbrushes = \_\_\_\_\_ cm

(c) 6 pencils = \_\_\_\_\_ cm

(d) 8 skateboards = \_\_\_\_\_ cm

(e) 10 scarves = \_\_\_\_\_ cm

(f) 8 memory sticks = \_\_\_\_\_ cm

(g) 7 paper clips = \_\_\_\_\_ cm

(h) 9 scarves = \_\_\_\_\_ cm

(i) 9 pencils = \_\_\_\_\_ cm

3. Estimate first and then multiply these bigger amounts.

(a) Est:

$49.37 \times 82$

(b) Est:

$31.54 \times 27$

(c) Est:


$571.06 \times 32$

(d) Est:

$740.58 \times 25$


4. The Empire State Building has 102 floors. If it takes 18 steps to climb each floor, how many steps would you take to reach the 102nd floor? \_\_\_\_\_



5.  The average speed of each leg in the 200m relay world record is 19.65 seconds. How many seconds did the whole four legs take? \_\_\_\_\_

6. A blue whale is 3,064.52 times heavier than an average human. If an average human weighs 62kg, what does a blue whale weigh? \_\_\_\_\_ kg



7.  The distance from the east to west coast of Ireland is 279.53km. The distance across the USA is 17 times greater than the distance across Ireland. How far is it? \_\_\_\_\_ km

## Chapter 10: Money

1. Make these amounts using as few notes and coins as possible.

- (a) €743.57 = €500 + \_\_\_\_\_
- (b) €467.99 = \_\_\_\_\_
- (c) €918.36 = \_\_\_\_\_
- (d) €696.24 = \_\_\_\_\_

2. Supermarket shop – estimating and calculating



	Purchases	Estimate	Actual cost	Change from €50
(a)	Nine apples			
(b)	4kg of jam			
(c)	Six litres of milk			
(d)	3kg of potatoes			
(e)	500g of strawberries			
(f)	500g of bread			
(g)	5 apples and 300g of strawberries			
(h)	4kg of jam and 3kg of bread			

3. Comparing prices – which is better value? Tick . Find the cost of one first.

- (a) one banana = € \_\_\_\_\_  OR one banana = € \_\_\_\_\_

- (b) 1kg = € \_\_\_\_\_  OR 1kg = € \_\_\_\_\_

- (c) 1l = € \_\_\_\_\_  OR 1l = € \_\_\_\_\_

## Money

### 1. Value for money – how much would you save...



- (a) if you bought six of the better value pineapples? € \_\_\_\_\_
- (b) if you bought nine of the better value pineapples? € \_\_\_\_\_



- (c) if you bought two adults' and two childrens' tickets in the better value cinema? € \_\_\_\_\_
- (d) if you bought three adults' and six childrens' tickets in the better value cinema? € \_\_\_\_\_




- (e) if you bought six kilogrammes of the cheapest dog food Vs. the dearest? € \_\_\_\_\_
- (f) if you bought six kilogrammes of the cheapest dog food Vs. the second cheapest? € \_\_\_\_\_

### 2. Saving money


- (a) Clara wants to go to a Six Nations match in five weeks' time. How much does she need to save per week for a ticket? € \_\_\_\_\_



- (b)  A child's bus fare is 95c per journey. If Liam started to cycle to school instead of getting the bus, how much would he save per week? € \_\_\_\_\_

- (c) If Paddy saved 53c a day for three weeks and Fiona saved €3.50 per week over the same period, how much extra did the bigger saver have? € \_\_\_\_\_




- (d)  The Ryans' house insurance was priced at €375, their car insurance at €490 and their medical insurance at €979. If they got a 10% discount on each of them, how much did they save? € \_\_\_\_\_

### 3. Fractions and decimals with money

- (a) A bike that cost €240 now has  $\frac{1}{3}$  off the price. How much does it cost now? € \_\_\_\_\_



- (b)  James spent 0.3 of his money at the zoo and saved the rest. If he saved €14.98, how much did he spend? € \_\_\_\_\_

## Money

### 1. Wages and salaries – how much are they paid?



Nurse: €163 per day



Mechanic: €14 per hour




Truck driver: €4.20 per 25km

- (a) If a nurse works five days a week, how much does he get paid annually (per year)? € \_\_\_\_\_
- (b) A mechanic works 9–5, Monday to Friday. What does she get paid per week? € \_\_\_\_\_
- (c) A nurse in a hospital gets paid an overtime rate of  $1\frac{1}{2}$  times the daily rate for working weekends. How much does he get paid for working Saturday and Sunday? € \_\_\_\_\_
- (d) If a truck driver drove 200km from Rosslare to Limerick and then made the same journey back again, how much would he be paid? € \_\_\_\_\_
- (e) A mechanic is saving half of her wages to buy a new television. How many hours will she have to work if it costs €350? \_\_\_\_\_

### 2. Money quiz


- (a) Petrol costs 126c per litre. Maeve's car can do 23km per litre. How much will a 483km journey cost? € \_\_\_\_\_



- (b)  An AstroTurf pitch costs €60 to play a game. How much is that per player in a six-a-side match? € \_\_\_\_\_

- (c) For her birthday, Marie got €26 from her grandparents, €2.75 from each of her two brothers and 60c from her little sister. How much money had she? € \_\_\_\_\_



- (d)  Cathal spent 0.8 of his savings on a new mountain bike. He needs to save another €20 to buy new tyres that cost €50. How much was the bike? € \_\_\_\_\_