Level 2

Calculator Skills

STUDENT WORKSHEETS

CONTENTS

5. Fill in the calculator keys. Look at this picture of a calculator. Some keys are missing. Write the keys below into the correct blank spaces on the calculator:

X	5	M-	=	+	%

7. Try this out:

12 + 35

- ? Pressing 12 + 35 is not enough
- There is a very important key that you must press at the end
- You must press = after 12 + 35 to make the calculator work out the answer

1	2	+	3	5	=

Make sure you check the answer. It is easy to hit the wrong key by mistake.

What answer did you get? _____

8. Now, try subtraction

45 – 16

Remember to press = at the end.

What answer did you get? _____

9. Now, try multiplication

27 x 35

What answer did you get? _____

Sometimes, the multiplication sign x is a *

10. Now, try division

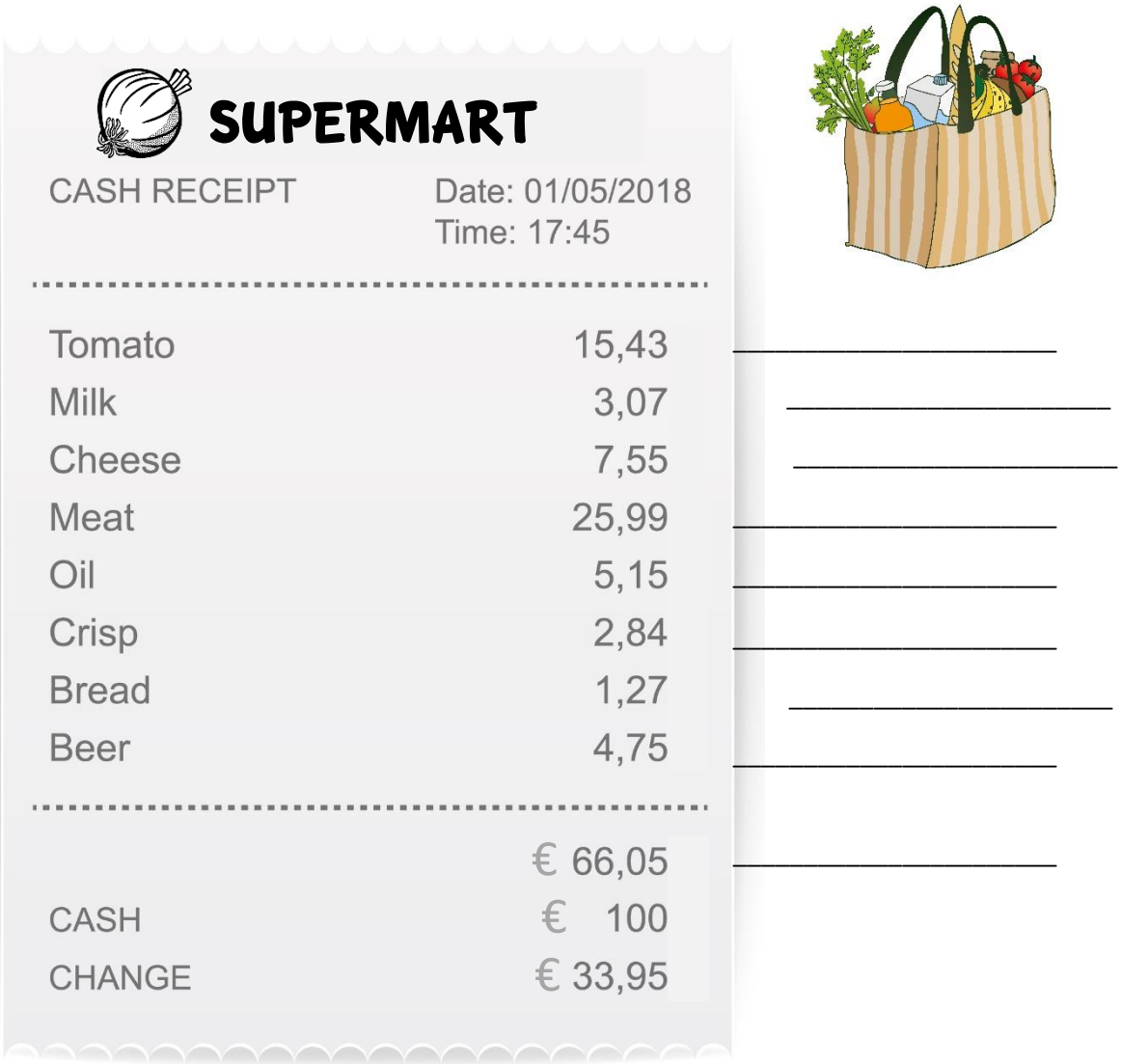
144 ÷ 8

What answer did you get? _____

Sometimes, the division sign ÷ is a /

Money is a good example of how estimation and rounding can be used. When you are shopping, it is easier to add up mentally when all prices are rounded up to the next euro.

4. Round each amount to the nearest euro and check the total.



SUPERMART

CASH RECEIPT Date: 01/05/2018
Time: 17:45

Tomato	15,43	_____
Milk	3,07	_____
Cheese	7,55	_____
Meat	25,99	_____
Oil	5,15	_____
Crisp	2,84	_____
Bread	1,27	_____
Beer	4,75	_____
	€ 66,05	_____
CASH	€ 100	
CHANGE	€ 33,95	

5. Is your rounded total close to the total on the receipt?

_____

If it's way off, then you know something's not right!

3. First estimate the answer by using rounded numbers. Then calculate the exact answer with the calculator. Lastly, find the error of estimation with a calculator.

a) 3,490 + 2,856 (round to thousands)

Estimation: _____

Exact Answer: _____

Error of Estimation : _____

When you enter thousands into the calculator, you do not use the comma.

b) 209 + 378 (round to hundreds)

Estimation: _____

Exact Answer: _____

Error of Estimation: _____

c) 46 + 23 (round to tens)

Estimation: _____

Exact Answer: _____

Error of Estimation: _____

d) 5,612 + 2,933 (round to thousands)

Estimation: _____

Exact Answer: _____

Error of Estimation: _____

Try some calculations using the calculator on your mobile phone.

15. Practice: Estimate and check your answers with the calculator. Make a path by drawing a line through the boxes that have a sum of 100.

32 + 68	15 + 85	73 + 27	22 + 34	43 + 57	35 + 40	11 + 89	
16 + 84	16 + 62	42 + 58	38 + 61	3 + 97	19 + 58	25 + 75	6 + 33
26 + 74	13 + 82	25 + 75 = 100			+ 31	4 + 96	24 + 17
15 + 85	16 + 43	18 + 57			+ 73	17 + 83	17 + 83
23 + 77	42 + 58	38 + 20	14 + 43	7 + 20	25 + 40	6 + 42	16 + 84
17 + 58	12 + 88	31 + 44	36 + 64	4 + 96	24 + 76	43 + 22	57 + 43
43 + 45	21 + 79	5 + 95	36 + 64	4 + 79	24 + 76	57 + 43	33 + 67

a) Can you solve this problem using your calculator?

Martin gets paid €400.00 each week. He must pay some bills this week. Find out how much he has left over.

On your calculator:

- ☐ Enter €400.00
- ☐ Subtract €53.10 for petrol
- ☐ Subtract €45.00 for gas
- ☐ Subtract €100.00 for rent
- ☐ Subtract €22.50 for car payments
- ☐ Subtract €65.50 for food

Will Martin have any money left over?

_____

If so, how much?

_____

Would Martin be able to his telephone bill of €82.00? Explain.

_____

_____

_____

_____

6. Remember this:

- To multiply any number by 10, just add ONE zero on the end.
- Example: 78 x 10 (add a zero onto 78) = 780
- To multiply any number by 100, just add TWO zeros on the end.
- Example: 78 x 100 (add two zeros onto 78) = 7,800
- To multiply any number by 1,000, just add THREE zeros on the end.
- Example: 78 x 1,000 (add three zeros onto 78) = 78,000

This will help you when you estimate!

7. Do these and you can check with your calculator!

a) 10 × 315 = _____

b) 3,560 × 10 = _____

c) 35 × 100 = _____

d) 100 × 6,200 = _____

e) 10 × 1,200 = _____

f) 100 × 130 = _____

g) 1,000 × 250 = _____

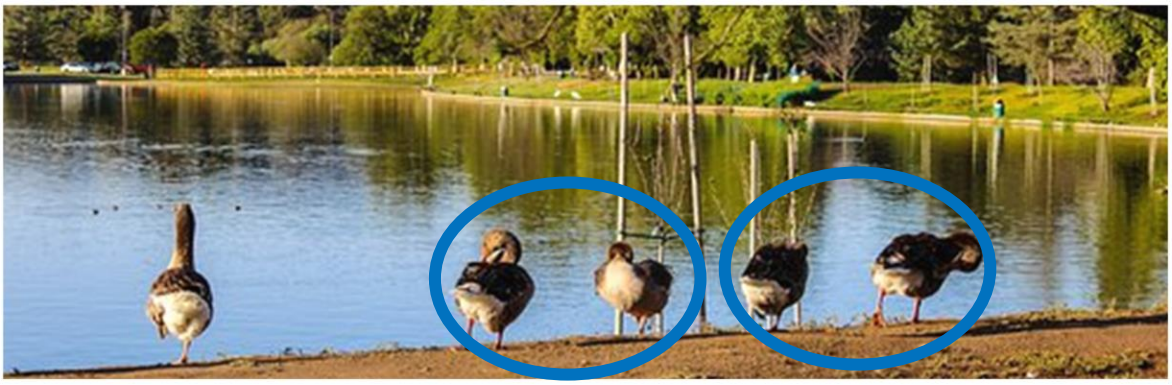
h) 38 × 1,000 = _____

i) 10 × 5,000 = _____

j) 16 × 100 = _____

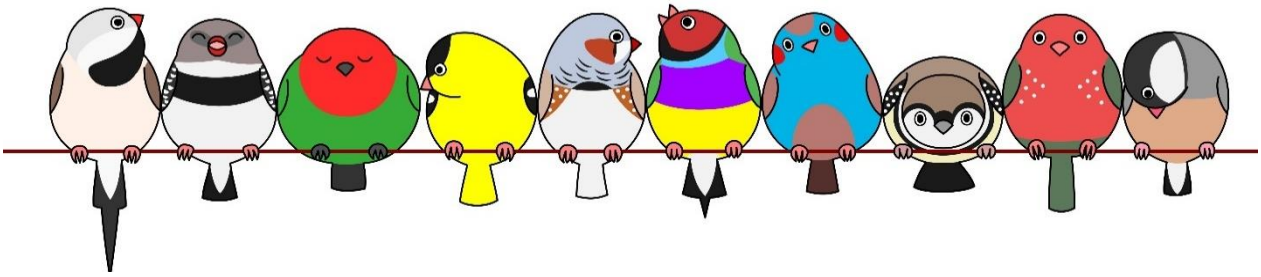
Help each other out!

9. Sometimes, numbers do not go evenly into another number.
Example:
There are 5 ducks below. How many pairs are there? (Or: how many groups of 2?
5 ÷ 2 = ?



There are 2 groups of 2 and 1 is left.
You say there are 2 groups of 2, remainder 1.
5 ÷ 2 = 2, remainder 1

Do the same below:
a) How many groups of 3 are there?
b) Write the number sentence: _____
c) Draw the groups:



d) Write the number sentence and answer:

_____

a) There were 24 students in the class. Half of them wanted to go to the café for lunch. How many did not want to go to the café? _____

b) There were 44 people in the restaurant. A quarter of them ordered pasta. How many people ordered pasta?

_____

c) A pizza is cut into thirds. How many pieces of pizza are there? _____

d) Emily worked for 6 hours. For a third of this time, she was on the computer. How many hours did she spend at the computer?

_____

e) There are 60 minutes in one hour. How many minutes are there in a quarter of an hour? _____

15. Estimate and then calculate:

	Estimate	Calculate
208÷ 26=		
774÷ 43=		
966÷ 14=		
874÷ 46=		
568÷ 71=		

You can use your multiplication table to help you!

4. When you write a euro amount, such as €2.45, there are only two places after the decimal point.
The number after the decimal point are cents –they are not a whole euro.

€2.45

This is two euro and forty-five cents.

Where a number is written e.g. €7.00, it is not necessary to enter the .00 on the calculator.

€7.00

This is seven euro. (and no cents)

5. Write the amounts in words:

a) €5.21

_____

b) €10.00

_____

c) €0.68

_____

d) €3.95

_____

1. Find the decimal point on your calculator. Estimate and then use your calculator to add these amounts:

a) €36.17+€34.43 = _____

b) €33.31+€33.13 = _____

c) €51.42+€47.23 = _____

d) €62.37+€46.57 = _____

e) €19.42+€68.24 = _____

f) €83.14+€78.95 = _____

g) €83.88+€59.15 = _____

h) €42.58+€77.49 = _____

i) €40.35+€86.35 = _____

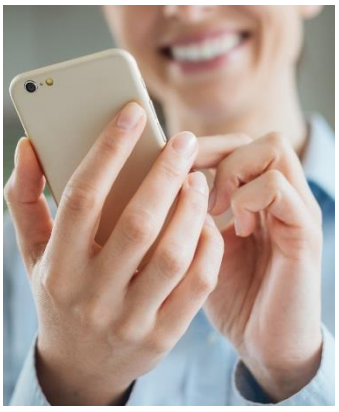
j) €94.48+€72.27 = _____

k) €93.98+€49.36 = _____

l) €74.81+€65.27 = _____

m)€81.67+€37.39 = _____

Try some calculations using the calculator on your mobile phone.

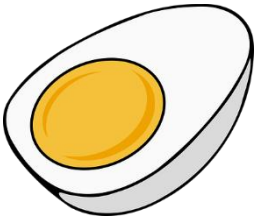


7. Do you remember these decimals? Check your answer, using the calculator.

½ = _____

¼ = _____

¾ = _____



½ = 50%

8. Write the fractions and calculate the decimal number:

Try some calculations using the calculator on your mobile phone.

a) 1 piece – Fraction_____ Decimal _____

b) 2 pieces – Fraction_____ Decimal _____

c) 3 pieces – Fraction_____ Decimal _____

d) 4 pieces – Fraction_____ Decimal _____

e) 5 pieces – Fraction_____ Decimal _____

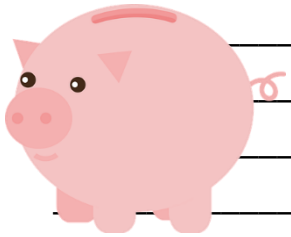
f) 6 pieces – Fraction_____ Decimal _____

4. Answer the questions. **Write the number sentences and answers!**

a) A test has 20 questions. If Charlie gets 80% correct, how many questions did he get right?

b) There are 36 workmen in a crew. Half the crew (50%) are working on a construction site. How many workmen is this?

c) A woman put €480 into a savings account for one year. The rate of interest on the account was 10% per annum. How much interest did she earn in the year? What would the new amount be?



d) 58% of the people at the event were students. If there were 400 people at the event, how many students were there?

B. MIXED OPERATIONS

1. Use your calculator to work out the missing number in each of these questions.

a) 345 + _____ = 839

b) 3824 - _____ = 392

c) _____ + 4738 = 8594

d) 334 + 392 + _____ = 1294

e) 56 × _____ = 168

f) 68 × _____ = 6392

g) 2275 ÷ = _____35

h) 369 ÷ _____ = 92.25

i) 3849 + _____ = 2934 + 4942

j) 56 × _____ = 3285 + 1587

Remember to always clear the display before you start a new calculation.

2. Solve these questions using your calculator. Compare your answers with a classmate.

a) 79 + 35 = _____

b) 39 – 23 = _____

c) 4953 + 3958 = _____

d) 3728 – 1946 = _____

e) 7 x 6 = _____

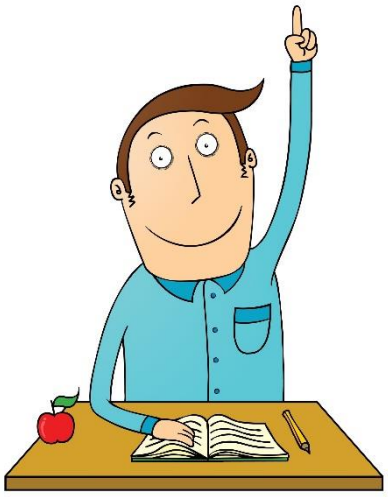
f) 39 x 37 = _____

g) 4839 + 29384 + 3949 = _____

h) 29384 – 393 – 484 = _____

i) 8 x 3 x 9 = _____

j) 493 x 39 = _____



7. Choose 10 items from the shopping list. Tick them. Add up how much the 10 items will cost. Use the calculator on your mobile phone.

Shopping list

- ☐ Bananas €1.89
- ☐ Lettuce €1.69
- ☐ Cherry tomatoes €1.35
- ☐ Packet of baby spinach €1.50
- ☐ Cucumber 79c
- ☐ 1 litre of milk €1.15
- ☐ 6 free-range eggs €2.20
- ☐ Round steak mince (1 kg) €5.00
- ☐ Packet of tea (80 teabags) €5.19
- ☐ Orange juice (1 litre, freshly squeezed) €2.75
- ☐ Tin of baked beans (415 g) €1.55
- ☐ Loaf whole-wheat bread €2.20
- ☐ Chia seeds (400 g) €7.99
- ☐ Black bin bags (10) €1.99

_____

_____

_____

8. Now, go and price the same items in a shop or supermarket near you. Use the calculator on your mobile phone to add up the items while you are in the shop.

How much was the total at your shop?

_____

9. What is the difference between the two prices?

_____

MAPPING OF LEARNING OUTCOMES

1. Find digits 0–9 and the decimal point and necessary operations buttons (+, –, ÷, =) on a calculator Pages 6 to 7 (using a calculator), Pages 8 to 13 (calculator keys), Pages 14 to 16 (the calculator display), Pages 17 to 18 ('writing' with the calculator), Pages 20 to 23 (vocabulary necessary for solving problems in maths)
2. Use a calculator to solve simple problems, e.g. add two items Pages 33 to 43 (addition on the calculator), Pages 44 to 50 (subtraction on the calculator), Pages 51 to 62 (multiplication on the calculator), Pages 63 to 75 (division on your calculator), Pages 77 to 89 (decimals), Pages 90 to 94 (fractions), Pages 95 to 98 (percentages), Pages 100 to 101 (patterns in numbers), Pages 102 to 110 (mixed operations)
3. Use a calculator to correct work which has been completed without the use of a calculator Pages 25 to 28 (rounding up and down to estimate answer before using the calculator), Pages 29 to 31 (estimating to check the calculator's answer), other numeracy worksheets (checking answers)
4. Find and use a calculator on a mobile phone to work out how much several items will cost in a shopping trip Page 111 (shopping with calculator on mobile phone), throughout the worksheets (using mobile phone's calculator)