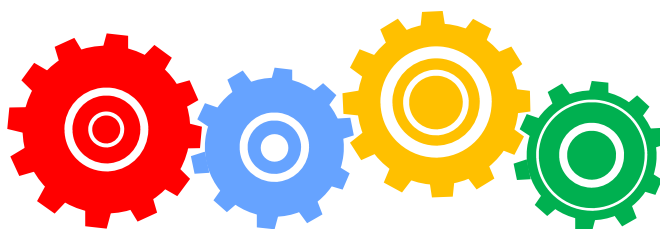


Functional Skillsheets : Samples

Here are several **sample pages** from the collection of Functional Skillsheets. There are two worksheets from each level.

Entry Level 3 · Level 1 · Level 2



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Functional Skillsheets : Entry Level 3


Worksheets
Blank
version

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- FME3.1 Café Bills** Adding up amounts of money. Reading a table.
- FME3.2 Discounts** Working out the missing amounts in discount calculations.
- FME3.3 Buying Food** .. Add up six amounts and deduct a discount.
- FME3.4 Comparing Prices**...Divide to find unit costs then compare results.
- FME3.5 Sausages**.....Buying packs of rolls and sausages for a barbecue.
- FME3.6 Burgers**.....Plan how many packs of burgers and rolls are needed.
- FME3.7 Buying Milk**Deciding how much milk to buy for one week.
- FME3.8 Potato Prices** ..Calculating the costs involved in buying different weights.
- FME3.9 Special Offers** .Savings involved in a supermarket special offer.
- FME3.10 Zoo Tickets**....Work out the costs involved in buying entrance tickets.
- FME3.11 Zoo Tickets**.... Compare prices of tickets including a family ticket.
- FME3.12 Borrowing Money** Using a loan shark or a credit union.
- FME3.13 Monthly Payments** How much extra do monthly payments cost ?
- FME3.14 Learning to Drive** Cost of lessons and taking tests.
- FME3.15 Petrol Tanks** How many litres in $\frac{1}{2}$, $\frac{1}{4}$ or $\frac{3}{4}$ of a tank ?
- FME3.16 Mini Measurements** Fill in the missing metric units.
- FME3.17 Bus or Car ?** . Which is the cheaper way to travel into town ?
- FME3.18 Bus Tickets**... When is it better value to buy a weekly pass ?
- FME3.19 School Data**.. Extract and use data from a two way table.
- FME3.20 School Data**.. Word problems using the data about ages and gender.
- FME3.21 Ladies' Shoe Sizes** Read and complete a tally chart.
- FME3.22 Men's Shoe Sizes**..Use the data to draw a bar chart.
- FME3.23 Buying Stamps**.....Word problems based on posting letters.
- FME3.24 Postage Costs**.....How much does it cost to post larger items ?
- FME3.25 Parcel Post**Read prices from a table. 3D shape names.

Functional Skillsheets : Entry Level 3


Worksheets
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version

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- FME3.26 Baking Buns**Maths used in the kitchen.
- FME3.27 Baking Buns**Work out the total cost of following the recipe.
- FME3.28 Bunting**..... ..Plan the making of simple bunting.
- FME3.29 Knitting Hats**How much wool is needed and used.
- FME3.30 Knitting Hats**More word problems.
- FME3.31 Knitting Measurements** ...Fill in the missing metric units.
- FME3.32 Nursery Snacks** Using fractions in a practical situation.
- FME3.33 Buying for a Kitchen**Add up the cost of buying kitchen items.
- FME3.34 Tiling**..... Shapes, counting and distance calculations.
- FME3.35 Tiling**..... Complete the pattern, count the tiles, work out distances.
- FME3.36 Tiling**..... How many half and quarter tiles are used in the design ?
- FME3.37 Tiling**..... Work out the cost of the tiles used for a kitchen floor.
- FME3.38 Buying Garden Tools** ... Work out the total cost. Take off the discount.
- FME3.39 Selling Tulips** Count the pots and fill with compost.
- FME3.40 Buying Compost**... Word problems involving fractions.
- FME3.41 Selling Plants** How much money does Lauren make ?
- FME3.42 Lawn Mowers** Fill in the missing metric units.
- FME3.43 Growing Plants** How many pots are needed ? Costs involved.
- FME3.44 Fencing** How much will it cost to put a fence up ?
- FME3.45 Buying a bike** Add up the total cost.
- FME3.46 Charity Target** Calculate the new totals then fill in the scale.
- FME3.47 Charity Bike Ride**.. Work out if the friends have reached the target.
- FME3.48 Cycling Holiday** Read and complete a mileage bar chart.
- FME3.49 Cycle Trail** Use simple fractions in a practical situation.
- FME3.50 Walking** What fraction of the route has he walked ? Fifths

Functional Skillsheets : Entry Level 3

Worksheets
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version

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- FME3.51 Car Washing.** How much water do you use with a bucket or hose ?
- FME3.52 Using a Water Butt.....** Calculations involving litres.
- FME3.53 Using Water..** Water use, comparing showers with baths.
- FME3.54 Water Meters** Can you save money by having one ?
- FME3.55 Swimming Prices ..** Compare the prices for members and non-members.
- FME3.56 Swimming Lessons** Use an advert to work out prices and times.
- FME3.57 Swimming Awards.....** Use data from a table. Time calculations.
- FME3.58 Swimming Certificates .** How many lengths of a 50 m pool ?
- FME3.59 Swimming Certificates .** How many lengths of a 25 m pool
- FME3.60 Swimming Pools...** Fill in the distances and units on a diagram.
- FME3.61 Bus Timetables** Plan which buses to catch for a hospital visit.
- FME3.62 Asthma Care** Read a line graph.
- FME3.63 Asthma Care** Complete the line graph and interpret it.
- FME3.64 Asthma Care** Analyse the data and construct a line graph.
- FME3.65 Opening Times.....** When is the library open and how long for ?

**PASSMORE
DRIVING
SCHOOL**

**One hour lesson
★ only £20**



How much would **10** lessons cost ?

How much would **20** lessons cost ?

How much would **30** lessons cost ?

The cost for **five** lessons is

Work out the **total** cost of the two parts of the driving test.

Driving Test Fees

Theory test	£31
Practical test	£62



**I passed
first time !**



Ash had **twenty five** lessons.

How much did he spend **altogether** on lessons and test fees ?

Using a Water Butt

FME3.52

Jo uses a **water butt** to collect rainwater that falls on the roof of her house.



My water butt
is half full.

A full
water butt
holds
90 litres



How many **litres** of water
are in the water butt ?

litres

Jo uses **three** cans full of water on her plants.

Watering can
holds 10 litres



How much water does she use ?

litres

How much water is left in the water butt ?

litres

It rains all night and the water butt fills up.

How many litres of water were needed
to fill the water butt up ?


litres

How many times can Jo fill the watering
can from the water butt now it is **full** ?

Functional Skillsheets : Level 1

Worksheets

Answers

[Click here to view pages](#) 

- FM1.1 **Café Bills**..... Simple money calculations in a familiar context.
- FM1.2 **Discounts**..... Adding and subtracting as inverse operations.
- FM1.3 **Opticians**..... Word problems based on eye care.
- FM1.4 **Parking Machines**..... Time and money calculations.
- FM1.5 **Driving Lessons**..... Working out the cost of passing your driving test.
- FM1.6 **Buying Milk**..... Comparing prices - milkman vs. supermarket.
- FM1.7 **Selling Plants**..... Making a profit from growing and selling plants.
- FM1.8 **Buying Stamps**..... Calculating costs of first and second class stamps.
- FM1.9 **Special Offers**..... Word problems about everyday food items.
- FM1.10 **Paying for Newspapers**..... Comparing different methods of payment.
- FM1.11 **Football Season Tickets**.... Working out costs and savings.
- FM1.12 **A Day at the Zoo**..... Find the cost of group entry tickets.
- FM1.13 **Prices per Kilo**..... Understanding and using prices **per** kilo.
- FM1.14 **Planning a Barbecue**..... Purchasing decisions and profit calculations.
- FM1.15 **Hourly Wages**..... Working out weekly wages. Time and a half.
- FM1.16 **Fruit Portions**..... Planning daily consumption of fruit.
- FM1.17 **Bicycle Hire**..... Calculations involving money, time and speed.
- FM1.18 **Christmas Lunch**... Costs and planning a meal out for a group.
- FM1.19 **Postage Prices**..... Practical work weighing and measuring parcels.
- FM1.20 **Lawn Care**..... Working out quantities of fertiliser needed.
- FM1.21 **Playground Surfaces**.... Finding an area and using a formula.
- FM1.22 **Kitchen Tiles**..... Calculations about shapes, money and percentages.
- FM1.23 **Patio Slabs**..... Metric units, area and money.
- FM1.24 **Envelopes**..... Measurement puzzles.
- FM1.25 **Design and Make a Box**..... for a bar of soap using a cardboard net.
- FM1.26 **Planning a Day Out**..... framework for independent research.
- FM1.27 **Food Labels**..... Use nutritional information to check health scores.
- FM1.28 **Food Labels**..... Analyse the data collected on FM1.27.
- FM1.29 **Most Popular Baby Names**..... Interpret the information in a text.
- FM1.30 **Logo Designs**..... Construct designs using ruler and compasses.

DAILY NEWS
EARTHQUAKE  **90 p**

SATURDAY NEWS
NEW FEES RISE  **£ 1.40**

SUNDAY NEWS
PM SCANDAL  **£ 1.90**

[1] What is the total cost of buying a newspaper every day for one week ?

[2]

I get a newspaper delivered to my house every day.



The newsagent charges Oliver £1.70 a week for delivering the newspapers.

(a) How much should Oliver pay the newsagent each week ?

(b) Oliver received this bill from the newsagent. What is wrong with the bill ?

ACE NEWS : INVOICE
3 weeks newspapers including delivery **£31.50**

Sarah goes to the newsagents every day to get a copy of the same newspaper.



I buy vouchers to pay for my newspapers.

Each set of vouchers costs £18 and lets Sarah get newspapers for four weeks.

[3] (a) How much does it cost Sarah for one week of newspapers ?

(b) How much does she save each week by using the vouchers ?

[4]

Assume there are 52 weeks in a year.



(a) How many sets of vouchers does she buy each year ?

(b) Work out the total cost of the vouchers she needs for a whole year of newspapers.

(c) How much does she save each year by using the vouchers ?

[5]

I download the digital version of the newspaper.

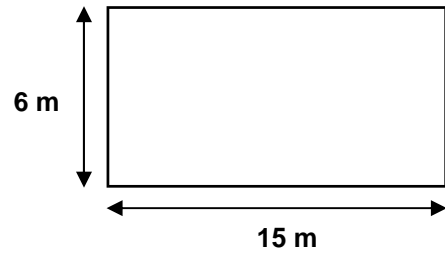


Kamal only pays £2 each week to download the newspaper.

How much does he save each year compared to buying the newspaper every day from a newsagent ?

This is a plan of Louise's lawn.

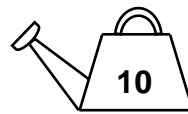
The grass needs fertiliser to make it grow stronger.



[1] Calculate the **area** of the lawn.

PROTURF Instructions

Feed **once a month** between **April** and **September**.



LITRES



GRAMS

= 5 m²

[2] Read the instructions. **Copy** the paragraph below and fill in the **blanks**.

Use the spoon to put **25** _____ of **PROTURF** in a _____ litre watering can.

Fill the watering can and mix well. This will feed _____ square _____ of lawn.

[3] (a) How many **times** will Louise need to fill her watering can to feed her lawn ?

(b) How many **litres of water** will she use to feed her lawn ?

(c) How many **grams** of **PROTURF** will she use to feed her lawn ?



Capacity
10 litres

[4] (a) How many times should Louise feed her lawn each year ?

(b) How many grams of **PROTURF** will she use in one year ?

(c) **PROTURF** is sold in boxes containing **one kilogram** of fertiliser.

How many boxes of **PROTURF** will she need to buy each year ? Explain your answer.

How many grams in one kilogram ?



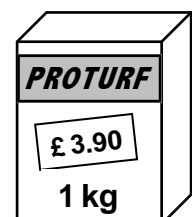
[5]



I cut this voucher out of a magazine.

10% OFF

PROTURF




Louise decides to buy enough **PROTURF** to last for one year.

How much does she spend on **PROTURF** ?

Functional Skillsheets : Level 2

Worksheets
Answers

[Click here to view pages](#) 

- FM2.1 **Checking Answers**..... Suggestions for different methods to use.
- FM2.2 **Driving Lessons**..... Comparing the prices of two driving schools.
- FM2.3 **Charity Cupcakes**..... Recipe quantities and calculating profits.
- FM2.4 **Paintballing Prices**..... Working out the costs of a group session.
- FM2.5 **Contact Lenses**..... Annual costs, discounts, comparing schemes.
- FM2.6 **Buying Stationery**..... Money calculations including VAT.
- FM2.7 **Petrol Prices**..... Problems about the costs of driving.
- FM2.8 **Buying Batteries**..... Comparing prices of different types. Percentages.
- FM2.9 **Electricity Bills**..... Seeing how a bill has been worked out.
- FM2.10 **Percentage Discounts**... Find the missing amounts or percentages.
- FM2.11 **Pizzas**..... Measurement and money calculations.
- FM2.12 **Using a Time Sheet**..... Calculating with time and working out wages.
- FM2.13 **Saving Water**..... Does using a waterbutt save you money ?
- FM2.14 **Design a Box**..... Work out the dimensions for a box for discs.
- FM2.15 **Probability Spinners**..... Work out the angles then draw the spinners.
- FM2.16 **Storage Boxes**..... Calculating the volumes of cuboids.
- FM2.17 **Paper Sizes**..... Measurements and metric unit conversions.
- FM2.18 **Packing Boxes**..... Fitting small boxes into a carton.
- FM2.19 **Security Lights**..... Planning how to light a car park.
- FM2.20 **Patio Slabs**..... Measurement and area calculations.
- FM2.21 **Painting a Storeroom**..... Estimating the cost of a decorating job.
- FM2.22 **Gritting a Car Park**..... Being prepared for bad weather.
- FM2.23 **Fencing**..... Money and measurement calculations.
- FM2.24 **Swimming Pool Calculations**.... Using formulas to work out volume.
- FM2.25 **Paint Bottles**..... Using volume formulas.
- FM2.26 **Building a Sports Court**..... Scale drawing and money calculations.
- FM2.27 **Tyrannosaurus Rex Facts**..... Unit conversions, graph interpretation.
- FM2.28 **Saving Children's Lives**..... Using large numbers in context.
- FM2.29 **Crisp Packet Data**..... Using nutritional information. Percentages.
- FM2.30 **Footballers' Birth Dates**..... Create a tally chart using data.
- FM2.31 **Puzzling Problems**..... Word problems to unravel.

I pay £13.45 each month for my contact lenses now.



[1] Julie used to pay **EyeCare Ltd.** £9.95 each month. How much **extra** is she now paying for her lenses **each year** ?

[2] How much would Julie pay **annually** for cleaning solutions if she bought them

- (a) every **3** months,
- (b) every **6** months ?



CONTACT LENS Cleaning Solutions	
3 months supply	£12.95
6 months supply	£24.95

[3] What is the **least amount** Julie could pay for her lenses and solutions in **one year** ?

[4] At **EyeCare Ltd.** there are four price bands for glasses. Julie can buy glasses for **half** the normal price.

- (a) How much more would she pay for a pair of **DESIGNER** glasses compared to a pair of **BUDGET** glasses ?



GLASSES PRICES	
BUDGET	£69
STANDARD	£85
STYLE	£99
DESIGNER	£125

SIGHT TEST
£27.00

- (b) Julie decides to buy a **STANDARD** pair of glasses after after she has a sight test. How much does she pay **altogether** for the glasses and sight test ?



[5] Ron uses **daily disposable** lenses. Why might **90 pairs** of lenses not be enough for **three months** ?

[6] (a) How much will he pay for his lenses over a **full year** ?

- (b) Does Ron pay **more** or **less** than Julie for his lenses each year ?

[7] Calculate the cost of **one pair** of Ron's lenses.



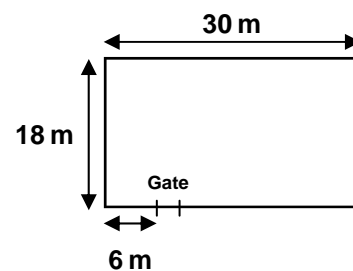
NO CLEANING ! NEW LENSES EVERY DAY
Daily disposable lenses 90 pairs / 3 months supply £54.90

Building a Sports Court

FM2.26



We are planning to build an all weather sports court in our park.



The court will be **rectangular** and will be surrounded by a fence.

ALL WEATHER SPORTS SURFACE
£11.30 per square metre

- [1] (a) Work out the **area** of the court.
(b) Calculate the **cost** of covering the court with an all weather sports surface.

- [2] Draw a **scale drawing** of the court.
Use a scale of **1 cm : 2 m**



Work out the length and width of the court for your scale drawing first.

The fence will be built using posts and panels.

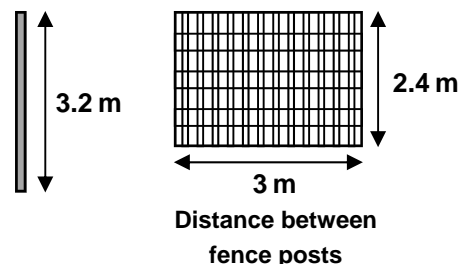
One of the panels will include a gate and will cost **£172**.

- [3] Mark the position of the fence posts on your scale drawing.

- [4] (a) How many fence posts are needed ?
(b) How many **ordinary** fence panels are needed ?
(c) Work out the cost of buying the posts, panels and the **gate panel**.

Post £28

Panel £65



- [5] (a) Calculate the **total cost** of the fence and the all weather surface.
(b) **VAT of 20%** has to be paid on the total cost. Work out how much VAT will have to be paid.



There will be four floodlights around the edge of the court.

- [6] Each floodlight lights up the ground within **10 metres** of its base. Show where the floodlights should be placed on your scale drawing so that they light up as much of the court as possible.

