

# Parent Guide



@twinklparents

We're excited to share this activity with you. If you are interested in finding more engaging, fun and interesting activities for you and your children, then check out these links to different areas of the [Twinkl Parents](#) website.

games



crafts



puzzles



experiments



word searches



**What is this resource and how do I use it?**

If your child is preparing for their year 2 SATs, this week of workouts is the perfect way to make practising reasoning questions fun. There are three reasoning questions per day, covering a mixture of skills, including fractions, shapes and measurement. Use the motivational timetable to record their progress and write down their scores.

**What skills does this practise?**

Number and Place Value

Shapes and Measurement

Reasoning

Home Routines

**Further Activity Ideas and Suggestions**

For more year 2 SATs guidance and activities, take a look at this [category](#) over at the [Parents' Hub](#). Times tables fluency is an essential skill - why not give this [Multiplication Squares Game](#) a go? You could also try this fun [Hoop Marble Maze Times Tables Activity](#).

Parents Blog



Twinkl Kids' TV



Homework Help



twinkl

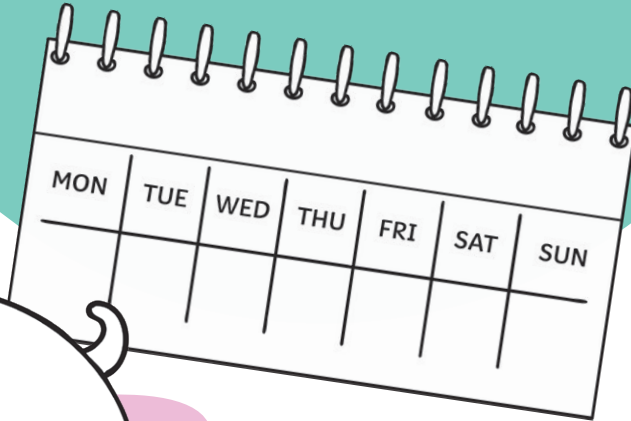
Parents Hub



Year 2

# SATS

## Maths Reasoning Week of Workouts



# Maths Reasoning Week of Workouts

Flex those mathematical muscles with this week of reasoning workouts! There are seven activities - one for each day of the week - and a timetable to record your progress. Draw a tick, a smile or a star each day that you spend some time practising reasoning questions. Write your score each day to keep track of your progress. This might also help you spot some areas to improve upon.

## What is Reasoning?

The reasoning year 2 SATs paper focuses on logical thinking skills. You'll come across a variety of question types, including multiple choice, true or false, matching or completing a table or drawing a shape. For some questions, you'll also need to show or explain your working out. The test takes about 35 minutes.



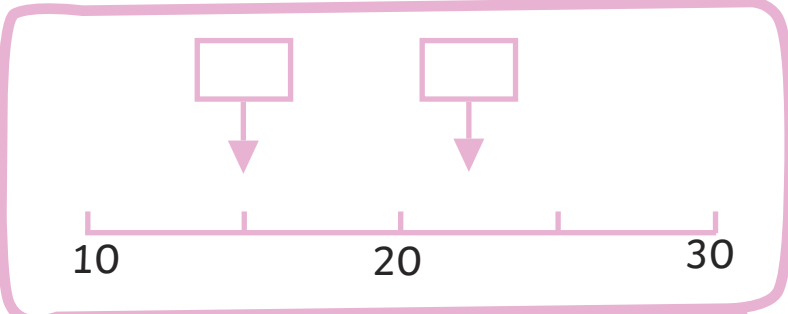
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Score $\frac{\quad}{7}$	Score $\frac{\quad}{4}$	Score $\frac{\quad}{8}$	Score $\frac{\quad}{7}$	Score $\frac{\quad}{7}$	Score $\frac{\quad}{6}$	Score $\frac{\quad}{8}$

# Monday

1. Two of these number cards are wrong. Which ones? Circle them.

62 sixty-two	34 thirty-four	19 ninety	73 seventy-three	85 fifty-eight	27 twenty-seven
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2 marks



2 marks

2. What numbers are being shown on this scale?



3. Here are the prices of some sweets at the shop. Use the  $<$   $>$  or  $=$  symbols to complete the sentences below

gummies 15p

fizzies 20p

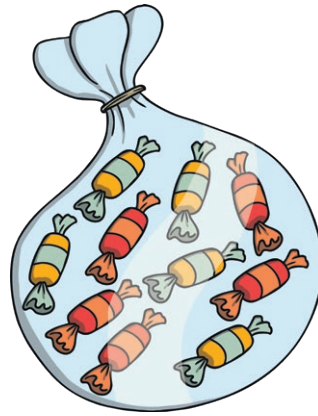
chocolates 35p

toffees 5p

a) chocolates  gummies + fizzies  
1 mark

b) toffees + fizzies  chocolates  
1 mark

c) fizzies  toffees + gummies  
1 mark



# Tuesday



1. Solve these word problems.

a) There are 56 children playing football on the playground. 18 of them are called in for lunch. How many children are left?

1 mark

b) Ahmed reads 34 pages of his new book. There are 27 pages left to read. How many pages does the book have altogether?

1 mark

2. How much money is in this piggy bank?



1 mark

3. Here are the prices of some fruits at the shop.

banana 22p

apple 34p

pear 41p

toffees 5p

Lenny buys a pear and a banana with a £1 coin. How much change does he receive?

1 mark

# Wednesday



1. Solve these word problems.

a) Maddy swims 8 widths of the pool. Each width is 10 metres. How far does she swim altogether?

1 mark

b) Rajesh shares 33 sweets equally between 5 of his friends. He keeps any sweets left over for himself. How many sweets does Rajesh get?

1 mark

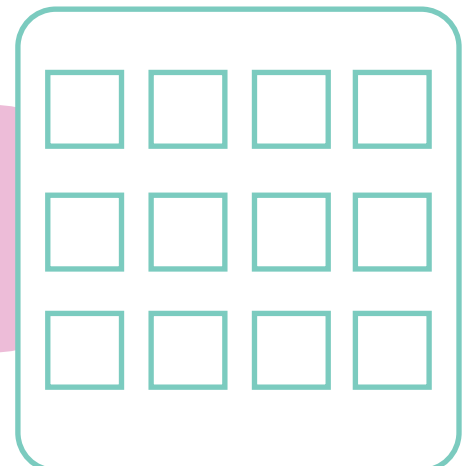
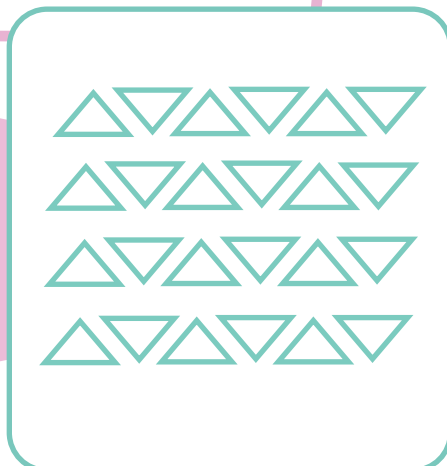
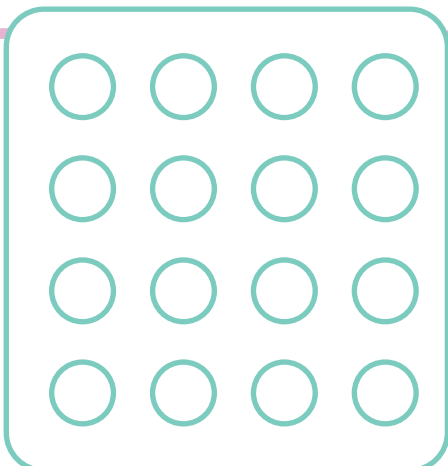


2. Shade  $\frac{1}{3}$  of each of these shapes. 1 mark each



3. Shade  $\frac{3}{4}$  of each of these amounts

1 mark each



# Thursday



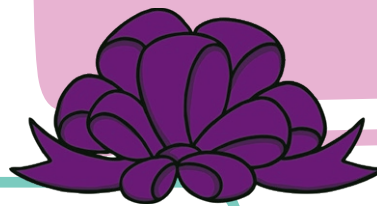
1. Solve these word problems.

a) A cake recipe says 90ml of milk is needed. Yasmin has added  $\frac{1}{3}$  of this amount to the mixture. How many ml does she have left to add?

1 mark

b) Ken has a piece of ribbon that is 32cm long. He cuts  $\frac{3}{4}$  of it off. How long are the two pieces of ribbon?

1 mark



2. Sort these shapes into the Carroll diagram. Write the shape names into the diagram.



	Has curved sides	Has no curved sides
4 sides or fewer		
More than 4 sides		

2 marks

3. Draw arrows to show these movements. The grey arrow shows where to start.

half turn  
anti-clockwise

three-quarter  
turn clockwise

quarter turn  
anti-clockwise

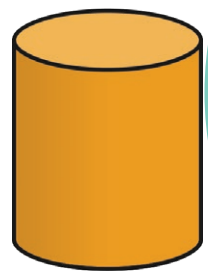
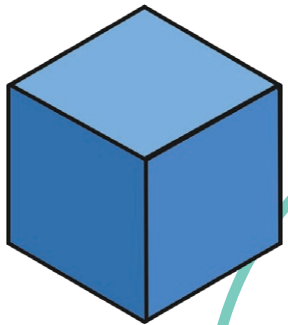
3 marks

# Friday



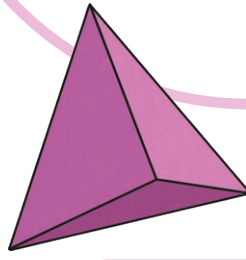
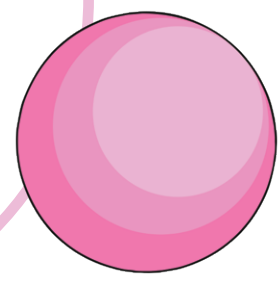
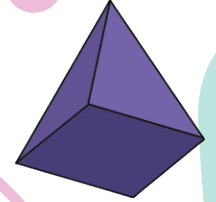
1. Draw arrows from the shape to its correct place in the Venn diagram

2 marks



Has edges all the same length

Is a pyramid



Can you think of a 3D shape that does not fit anywhere in the Venn diagram?

Name or draw the shape

3. What unit would you use to measure these things?

the amount of water in a swimming pool	
the length of a pencil	
the temperature in your home	
the amount of liquid in a cup of tea	

2 marks

2. Complete these sequences.

3 marks

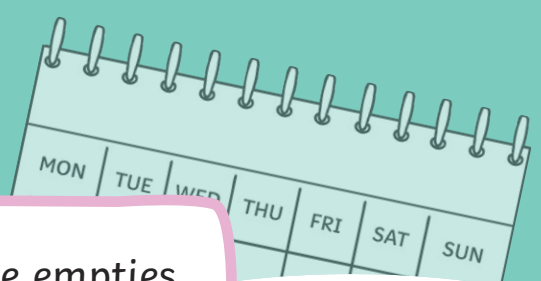
a)  $\_ , 3, 5, \_ , \_ , \_ , 13, 15$

b) ○ △ □ △ ○          

c)  $\_ , \_ , \_ , 8, \_ , 12, 14,$



# Saturday



1. Brogan has a pack of coloured sweets. He empties them out and looks at how many there are of each different colour.

Complete this tally chart for Brogan.

Colour	Tally	Total
red		3
orange	II	
green		
blue	IIIIII	
purple		
pink		3

2 marks

2. Answer these questions based on the tally chart.

a) Which colour was the most common?

1 mark

b) Which colour was the least common?

1 mark

c) What was the total number of sweets in the packet?

1 mark

3. Order these numbers from largest to smallest

**66, 26, 6, 46, 96, 76, 16, 60**

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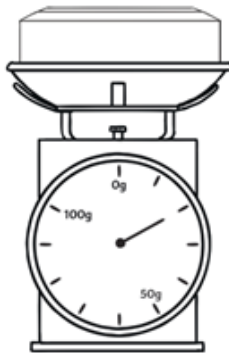
1 mark

# Sunday

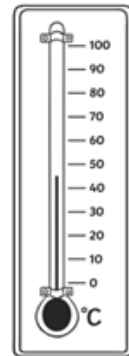
1. Read the scales to measure the capacity, weight and temperature.



\_\_\_\_\_ ml



\_\_\_\_\_ g

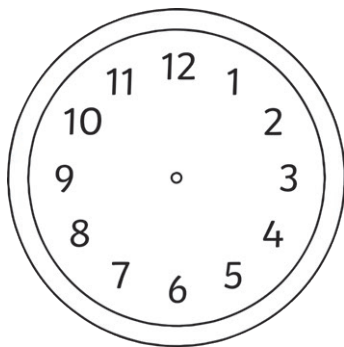


\_\_\_\_\_ °C

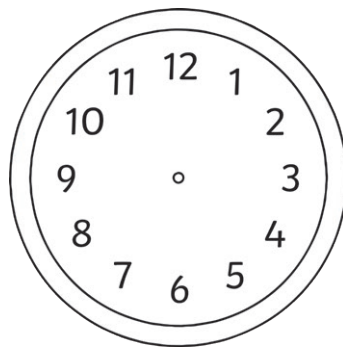
2. Draw these times on the clock faces.

1 mark each

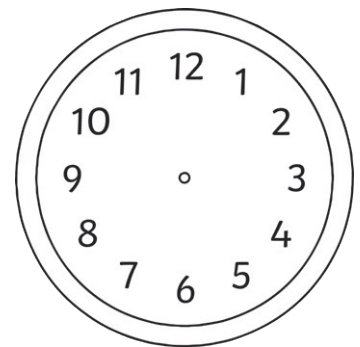
3 marks



quarter past 8



half past 4



quarter to 6

3. Solve these word problems.

a) Bruno the dog has 26 biscuits in his treat box. His owner gives him 8. How many biscuits are left in the box?

1 mark

b) Priya bakes some cakes for the summer fair. She sells 17. She has 10 left over. How many cakes did she bake?

1 mark

# Answers

## Monday

1. Two of these number cards are wrong. Which ones? Circle them.

62  
sixty-two

34  
thirty-  
four

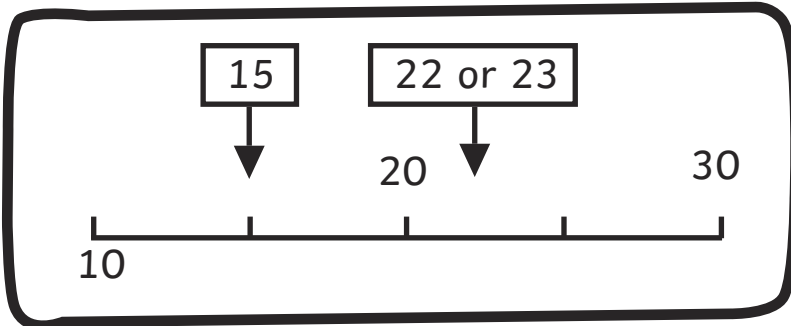
19  
ninety

73  
seventy-  
three

85  
fifty-  
eight

27  
twenty-  
seven

2. What numbers are being shown on this scale?



3) One mark for each correct answer.

- a) chocolates = gummies + fizzies
- b) toffees + fizzies < chocolates
- c) fizzies = toffees + gummies

## Tuesday

1. One mark for each correct answer.

- a) 38 children are left.
- b) The book has 61 pages.

2. £1.48 or 148p or £1 and 48p (one mark for the correct answer)

3. He gets 37p change (one mark for the correct answer)

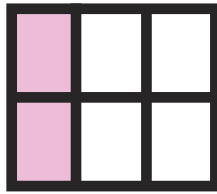
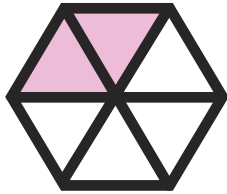
# Wednesday Answers

1. One mark for each correct answer.

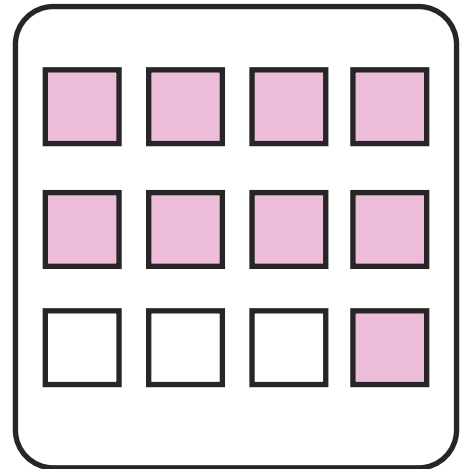
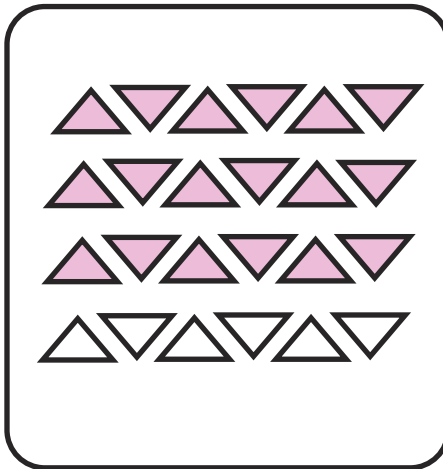
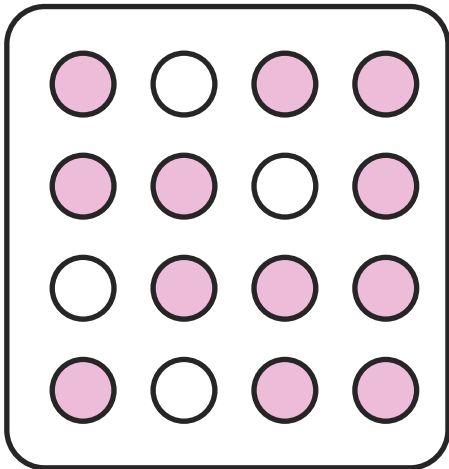
a) Maddy swims 80 metres.

b) Rajesh gets 3 sweets.

2. One mark for each correct answer.



3. One mark for each correct answer.



# Thursday Answers

1. One mark for each correct answer.

a) She has 60ml left to add.

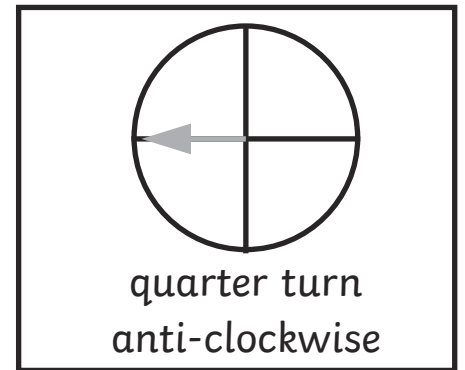
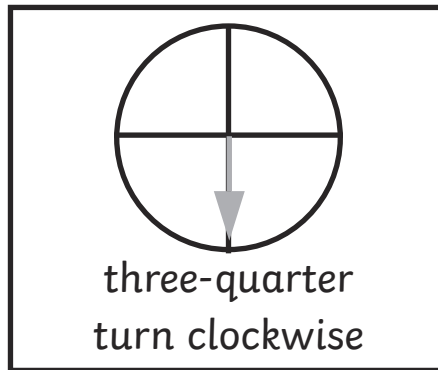
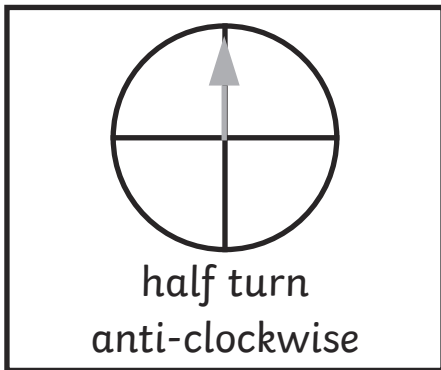
b) The two pieces of ribbon are 8cm and 24cm long.

2) One mark for two or three shape names in the correct place.

Two marks for all four shape names in the correct place.

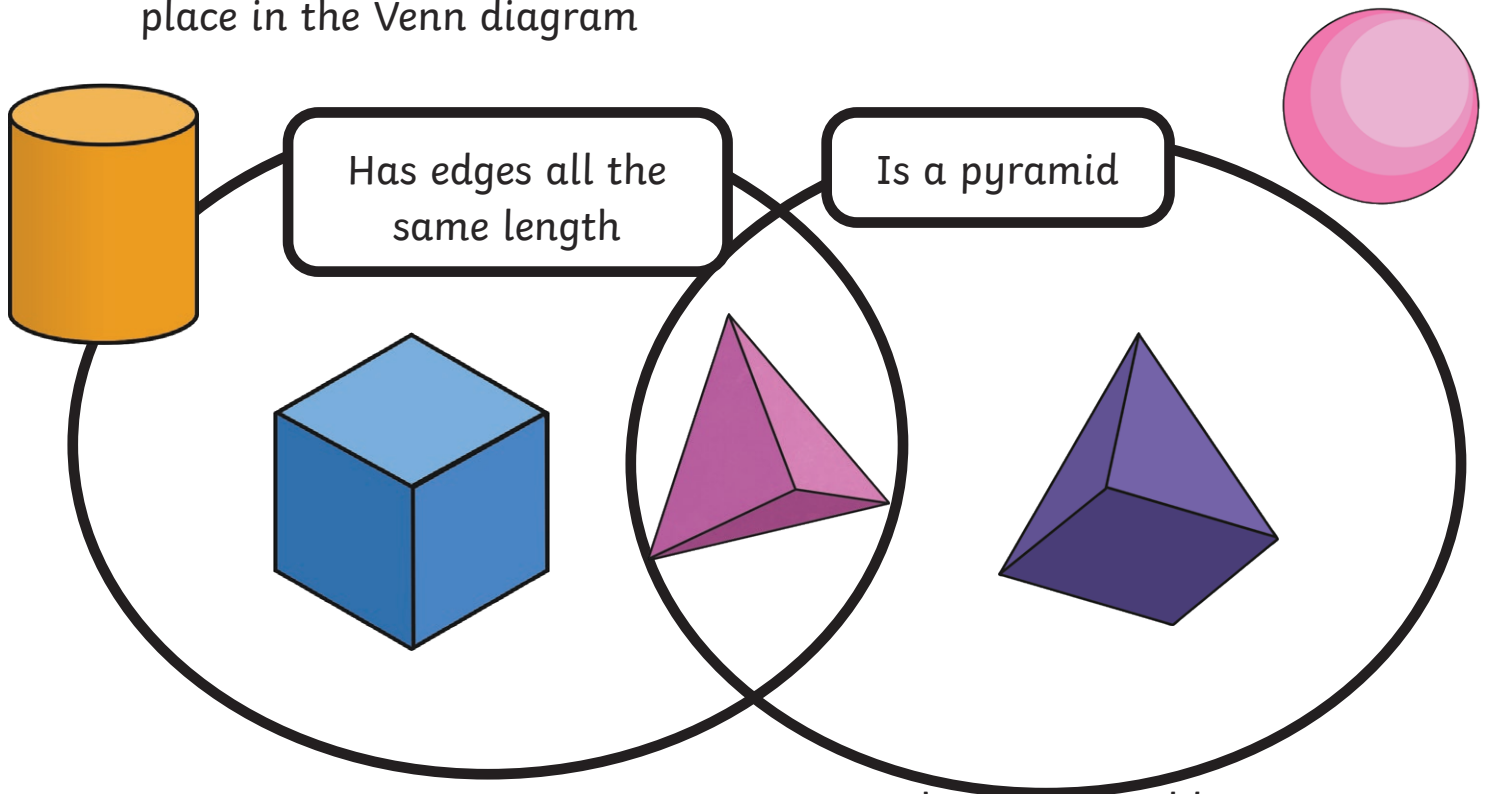
	Has curved sides	Has no curved sides
4 sides or fewer	circle	square
More than 4 sides	rectangle	hexagon

3. Draw arrows to show these movements. The grey arrow shows where to start.



# Friday Answers

1. Draw arrows from the shape to its correct place in the Venn diagram



2. Complete these sequences.

a) 1, 3, 5, 7, 9, 11, 13, 15

b) 

○	△	□	△	○	△	□	△	○	△
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c) 2, 4, 6, 8, 10, 12, 14, 16

3. What unit would you use to measure these things?

the amount of water in a swimming pool	litres (L)
the length of a pencil	centimetres (cm)
the temperature in your home	degrees Celsius (°C)
the amount of liquid in a cup of tea	millilitres (ml)

# Saturday Answers

1) One mark for five, six or seven correct complete boxes.

Two marks for all eight correct complete boxes.

Colour	Tally	Total
red	III	3
orange	II	2
green	IIIII	5
blue	IIIIII	6
purple	IIIIIIII	8
pink	III	3

2. One mark for each correct answer..

- Purple was the most common colour.
- Orange was the least common colour.
- There were 27 sweets in total.

3. Order these numbers from largest to smallest

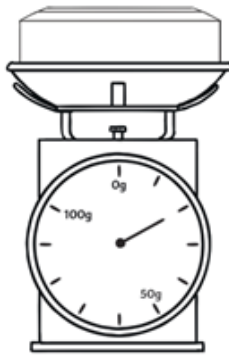
96 76 66 60 46 26 16 6

# Sunday Answers

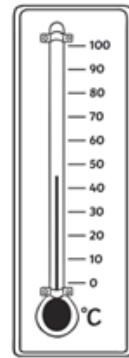
1. One mark for each correct answer.



800 ml

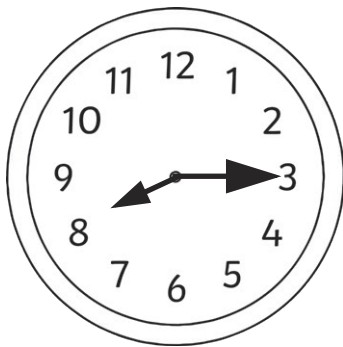


20 g

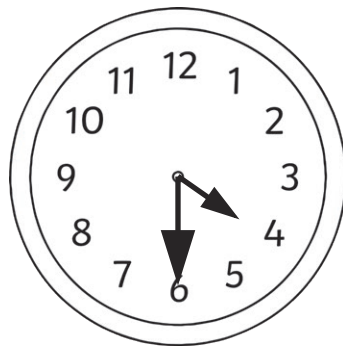


45 °C

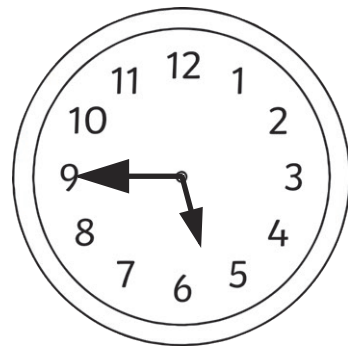
2. One mark for each correct answer.



quarter past 8



half past 4



quarter to 6

3. One mark for each correct answer.

a) 18 biscuits are left.

b) She baked 27 cakes.