



Slaley First School

Year 3 Maths

Home Learning

Please Check with your child's
Teacher as to which page(s) you
will be required to complete

SECTION A

1 $3 + 0 =$

2 $13 + 4 =$

3 $602 + 4 =$

4 $713 + 6 =$

SECTION B

1 $18 + 6 =$

2 $9 + 8 + 2 =$

3 $413 + 8 =$

4 $= 7 + 766$

SECTION C

1 $878 + 5 =$

2 $= 8 + 496$

3 $92 + 6 + 5 =$

4 $435 + 8 + 9 =$

SECTION A

1 $56 + 33$

2 $74 + 15$

3 $23 + 46$

SECTION B

1 $23 + 68$

2 $46 + 82$

3 $35 + 48$

SECTION C

1 $64 + 78$

2 $37 + 85$

3 $27 + 76 + 14$

SECTION A

1 $8 - 3 =$

2 $10 - 6 =$

3 $7 - 7 =$

4 $6 - 0 =$

SECTION B

1 $29 - 8 =$

2 $= 30 - 4$

3 $16 - 7 =$

4 $23 - 11 =$

SECTION C

1 $49 - 12 =$

2 $76 - 18 =$

3 $= 24 - 16$

4 $33 - 16 =$

SECTION A

1 $57 - 22$

2 $63 - 31$

3 $75 - 22$

SECTION B

1 $53 - 18$

2 $84 - 66$

3 $43 - 26$

SECTION C

1 $82 - 36$

2 $91 - 28$

3 $71 - 34$

SECTION A

1 $4 \times 4 = \square$

2 $12 \div 4 = \square$

3 $28 \div 4 = \square$

4 $12 \times 4 = \square$

SECTION B

1 $12 = 4 \times \square$

2 $20 \div \square = 4$

3 $\square \div 4 = 6$

4 $\square \times 4 = 20$

SECTION C

1 $4 \times 14 = \square$

2 $60 \div 4 = \square$

3 $\square = 840 \div 4$

4 $4 \times 8 \times 4 = \square$

SECTION A

1 34×2

2 13×3

3 63×1

SECTION B

1 $6 \times 2 \times 3$

2 61×4

3 37×2

SECTION C

1 $8 \times 4 \times 5$

2 32×8

3 56×3

SECTION A

1

$68 \div 2$

2

$88 \div 8$

3

$96 \div 3$

SECTION B

1

$75 \div 3$

2

$96 \div 2$

3

$68 \div 4$

SECTION C

1

$56 \div 4$

2

$84 \div 3$

3

$95 \div 5$

SECTION A

1 $2 \times \square = 8$

2 $15 \div \square = 3$

3 $4 \times \square = 20$

4 $8 \div \square = 8$

SECTION B

1 $8 \times \square = 88$

2 $\square \div 4 = 12$

3 $36 \div \square = 3$

4 $32 = \square \times 2$

SECTION C

1 $64 = 4 \times \square$

2 $\square \div 4 = 14$

3 $4 \times \square \times 2 = 64$

4 $\square \div 8 = 16$

SECTION A

1 $\frac{1}{2}$ of 18

2 $\frac{1}{3}$ of 18

3 $\frac{1}{4}$ of 24

SECTION B

1 $\frac{1}{8}$ of 104

2 $\frac{1}{10}$ of 140

3 $\frac{1}{2}$ of 48

SECTION C

1 $\frac{1}{3}$ of 54

2 $\frac{5}{8}$ of 16

3 $\frac{7}{10}$ of 40

SECTION A

1 $\frac{7}{8} - \frac{4}{8}$	
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2 $\frac{2}{9} + \frac{2}{9}$	
--------------------------------------	--

3 $\frac{4}{5} - \frac{2}{5}$	
--------------------------------------	--

SECTION B

1 $\frac{4}{11} + \frac{6}{11}$	
--	--

2 $\frac{12}{13} - \frac{4}{13}$	
---	--

3 $\frac{2}{15} + \frac{\square}{15} = \frac{13}{15}$	
--	--

SECTION C

1 $\frac{8}{17} + \frac{2}{17} + \frac{\square}{17} = \frac{14}{17}$	
---	--

2 $\frac{35}{37} - \frac{\square}{37} = \frac{29}{37}$	
---	--

3 $\frac{\square}{51} - \frac{17}{51} = \frac{25}{51}$	
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Find 10 more or less than a given number

1 Solve the following.

- a 10 more than 80 =
- b 10 more than 64 =
- c 10 less than 100 =
- d 10 more than 474 =
- e 10 less than 156 =

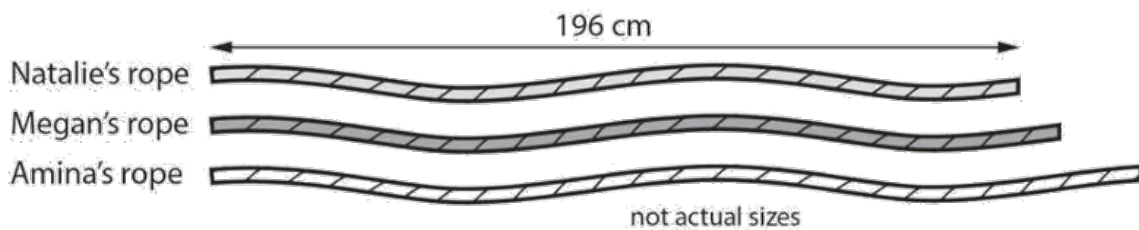


2 Complete the number lines below.

a

b

3



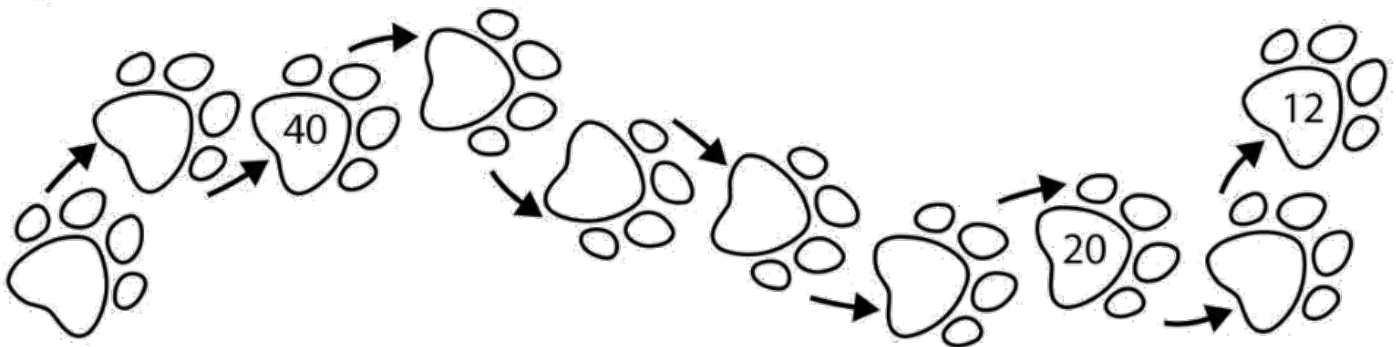
- a Megan's rope is **10 cm** longer than Natalie's rope. How long is Megan's rope? cm
- b Amina's rope is **20 cm** longer than Megan's rope. How long is Amina's rope? cm
- c Amina cuts **10 cm** off her rope. How long is it now? cm

Solve number and practical problems involving number and place value

1 Jai thought of a number. It had a **zero** in the tens place, a **six** in the hundreds place and a **nine** in the ones place. What was Jai's number?

Write your answer in digits and words.

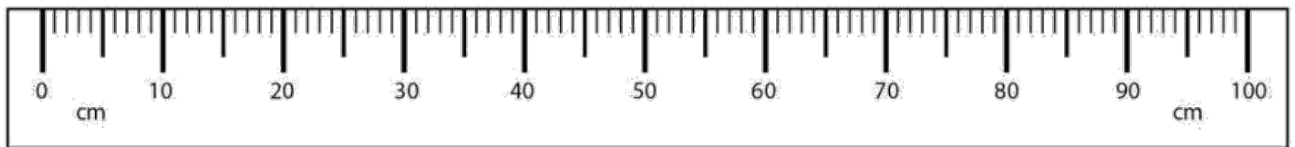
2 Count backwards in **4s**, starting from **48**. Some are done for you.



3 Year 3 were counting in **8s**. **16** was the first number they said.

What was the sixth number?

4 Layla's string. 



a Ben's string was **10 cm** longer than Layla's string.

How long was Ben's string? cm

b Maddie's string was **30 cm** longer than Ben's string.

How long was Maddie's string? cm

c Maddie cut **4 cm** off her string.

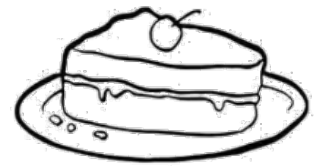
How long was it then? cm



Solve multi-step addition and subtraction problems

- 1 Mr Pie, the baker, made **36** cream cakes, **21** fairy cakes and **42** carrot cakes.

How many cakes did Mr Pie make altogether?

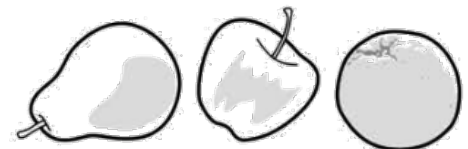


- 2 Look at the table below. How many lengths does Seb swim in total?

Lengths swum by Seb			
Monday 32	Wednesday 31	Friday 6	Sunday 20

- 3 There are **38** pieces of fruit in a basket. **11** are apples, **17** are pears and the rest are oranges.

How many oranges are there?



- 4 Ameer is exactly **14** years older than Anna. On the 1st January 2010, Anna was **32 years old**.

How old was Ameer on the 1st January 2015?

- 5 Two teams are having a quiz. After Round 5, the Clever Clogs have **406** points and the Brainy Boffins have **564** points. In Round 6, the Clever Clogs score **100** more points than the Brainy Boffins score in Round 6. The Clever Clogs score **232** points in Round 6. What are the scores at the end of Round 6?



Clever Clogs <input type="text"/>	Brainy Boffins <input type="text"/>
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Solve multiplication calculations

1 Solve the following, using a method you have been taught. Make sure that you set out your calculations carefully.

a $23 \times 3 =$ c $43 \times 2 =$

b $34 \times 2 =$ d $32 \times 3 =$



2 Now try the following, using a written method you have been taught.

a $32 \times 4 =$ c $52 \times 3 =$

b $43 \times 3 =$ d $8 \times 61 =$



3 Now find the missing numbers in each of the following, and put them in the correct column. An example is shown.

missing number is less than 100	missing number is between 101 and 200	missing number is greater than 200
93		

$31 \times 3 =$

$21 \times 8 =$

$71 \times 5 =$

$27 \times 3 =$

$19 \times 5 =$

$4 \times 49 =$

$\div 4 = 34$

$\div 8 = 34$

$83 \times 4 =$

Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10

1



- a Azra ate 1 piece of the pizza. What fraction of the pizza did she eat? $\frac{\square}{\square}$
- b Bilal ate 3 pieces of pizza. What fraction did he eat? $\frac{\square}{\square}$

2 Solve the following, giving your answers as fractions and decimal fractions.

- a $1 \div 10 = \frac{\square}{\square}$ or $0.\square$
- b $7 \div 10 = \frac{\square}{\square}$ or $0.\square$

3 Amy shared her chocolate equally between herself and **nine** friends.

What fraction of a whole bar of chocolate did they each get?

 $\frac{\square}{\square}$


Compare length, mass and volume/capacity

- 1 A table is **four** times as long as the pencil.

How long is the table? cm



20 cm

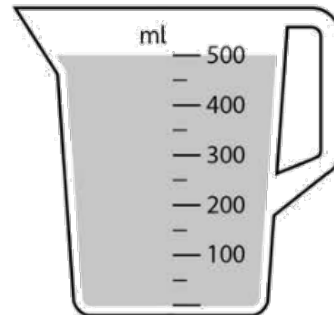
not actual size

- 2 Shabnum weighs **19 kg**. Her elder brother weighs **twice** as much as Shabnum.

How much does Shabnum's brother weigh? kg

- 3 Look at the jug, which is filled with orange juice.

How much orange juice would there be in **6** jugs? litres



- 4 Archie's Dad is **twice** as tall as Archie.

How tall is Archie's Dad? m cm



85 cm
Archie's height

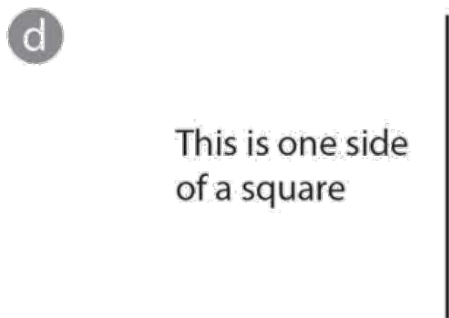
not actual size

- 5 Maisie drinks $2\frac{1}{2}$ times as much water during the day as Gorak.
Gorak drinks **2 litres**.

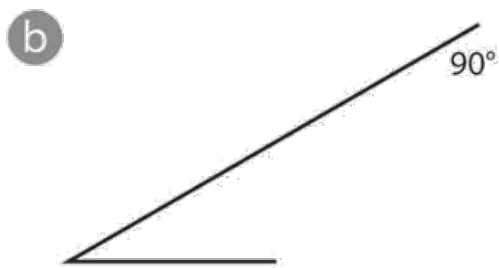
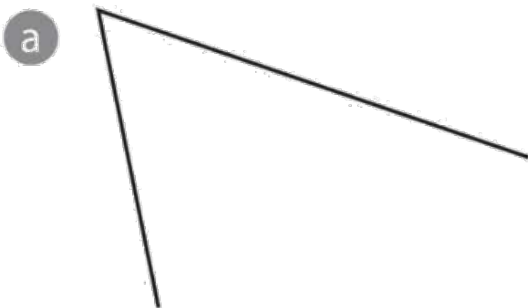
How much water does Maisie drink? litres

Draw 2-D shapes

1 Use your ruler to complete each rectangle.



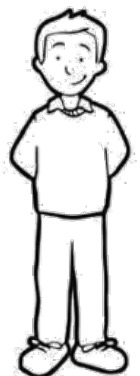
2 Now complete the triangles.



3 Use a ruler to draw each shape. Each shape must have at least one side measuring 4 cm.

a a quadrilateral, which is not a rectangle

b a pentagon

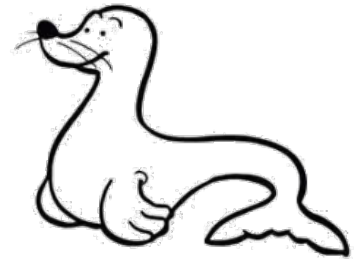


Interpret and present data using tables

1 Times of daily boat rides to Seal Island

10:15 am	11:15 am	12:15 pm	1:15 pm	2:15 pm	3:15 pm
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- a How many boat rides are there on Mondays?
- b What time does the first boat leave?
- c What time does the fourth boat leave?
- d How long is there between each boat ride?



2 Table to show test scores.

	Week 1	Week 2	Week 3	Week 4	Week 5
Naomi	8	7	6	4	8
Nelson	9	9	8	7	9
Anjum	8	6	7	6	8
Ross	7	6	8	5	7
Sol	8	7	8	8	8



- a Who scored the lowest mark in a test?
 In which week was it scored?
- b Which child scored the same mark **4** times?
- c What mark did Ross score in week **2**?
- d What mark do you think the test was out of? Explain your answer.

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Solve problems involving all 4 operations

1 An octagon has **8** sides. How many sides do **30** octagons have?

2 Ling has **128** toy animals. Samir has a **quarter** as many.
How many toy animals does Samir have?



3 There are **863** people in a cinema. **104** are male.
How many of the people are female?

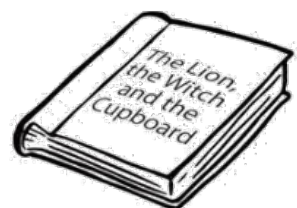
4 A postman had **342** houses to deliver post to each day.



If each house received **4** letters, how many letters would the postman deliver altogether?

5 A classroom has **192** books in **8** book boxes.
Each box has the same number of books.

How many books does each book box have?

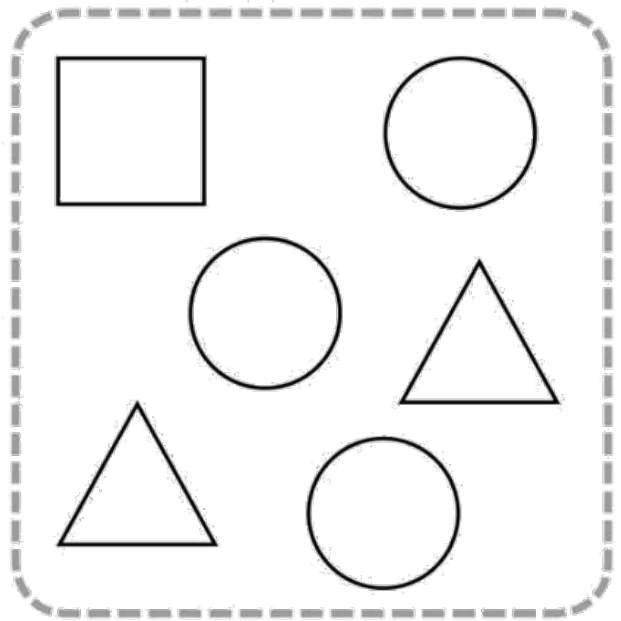


Recognise, find and write fractions of a discrete set of objects

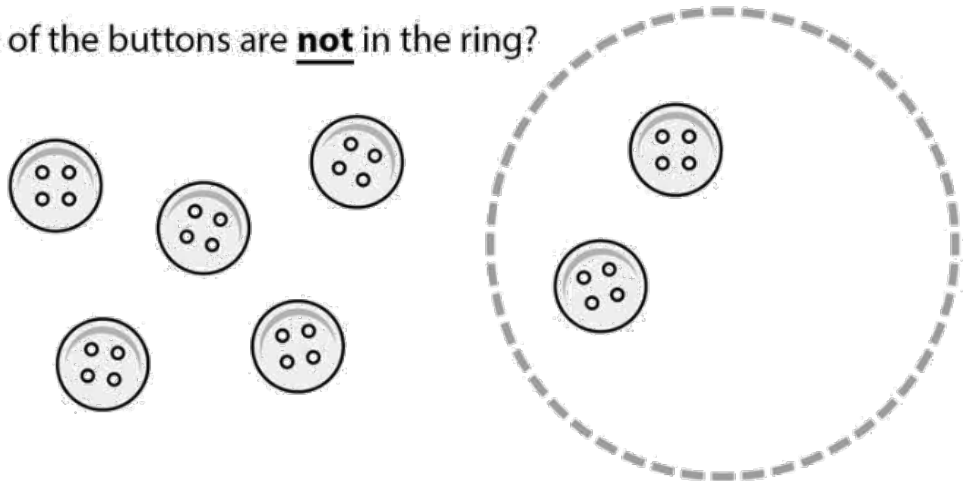
1 Complete the following.

a What fraction of the shapes are squares?

b What fraction of the shapes are circles?



2 What fraction of the buttons are not in the ring?



3 Look at the box of chocolates.

a Harry eats 5 chocolates.

What fraction of the chocolates does he eat?

b Lucy eats 2 of the chocolates.

What fraction of the chocolates are left after Harry and Lucy have eaten their chocolates?

