Berry Public School - Stage 3 – Home Learning Week 10

Commencing Monday March 30.

The following tasks are a guide, for parents, to cover some of the Stage 3 curriculum at home this week. Students should complete all activities and e-mail highlighted activities to their teachers at the end of each day. It is essential that you or your parents come up to school to collect your book package that you will need, to complete your work. It is recommended that you purchase an A4 book for the students to work in. If you require the teacher's direct email please contact the school. If you or your child, have any questions about the tasks below, please contact your child's teacher via email or phone the school.

Please ignore Monday Week 9's work and make a fresh start this week for Week 10.

	Monday	Tuesday	Wednesday	Thursday	Friday
Task	Help an adult with the washing today	Plant a seed or seedling in the garden (or pot) and water it.	Think of a nice surprise for your parents or carers and do it! E.g. Clean your room	Ask an adult for a safe idea for lunch that you can make on your own today.	Research and find some facts about an interesting topic. Talk to an adult about what you have found out.
Morning	English (Spelling)	English (Spelling)	English (Spelling)	English (Spelling)	English (Spelling)
	Look at lists provided in the resource pack. Write down the words and identify the target sound. Write your dictation. English (Reading/Writing) Fluency Booklet Semester1 Complete sheet 1 Nutrition Read the directions at the top	Choose three unfamiliar words from your week 10 list. Write out their dictionary meaning. English (Reading/Writing) Fluency Booklet Semester1 Complete sheet 1 Nutrition Read the directions at the top of the page Do reading #1, #2, #3 and record your times.	On a word document, use as many of your spelling words as you can to create: - An entertaining paragraph Find as many smaller words as you can in your longest spelling word. English (Reading/Writing) Fluency Booklet Semester	Put each of your homophones into a sentence to show their meanings. Find synonyms for five of your words where possible. Google an online Thesaurus to help you. Fluency Booklet Semester1 Complete sheet 1 Nutrition Read the directions at the top of the page Complete the ten	Write out all of your dictation sentences. Writing/ Current affairs Watch this week's BTN and complete a summary on one of the stories. Type on a word document, proof read and edit your work and send it to your class teacher.

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	Monday	Tuesday	Wednesday	Thursday	Friday	
	of the page Do reading #1, #2, #3 and record your times. Grammar and Punctuation Booklet Term1 Complete page 27 on Verbs Writing Visit: www.pobble365 Choose from the calendar in the top right-hand corner of the page. Monday 30th of March It will be called Rumpelstiltskin On a word document complete and submit by email to your teacher Question time Sick Sentences Sentence challenge	Grammar and Punctuation Booklet Term1 Complete page 28 on Verbs Writing Visit: www.pobble365 Choose from the calendar in the top right-hand corner of the page. Monday 30 th of March It will be called Rumpelstiltskin On a word document complete and submit by e-mail to your teacher the story starter. This needs to be proof read and edited. Reading: Spend some time quietly reading your AR book or a book from your home library. Do an AR quiz?	Read the directions at the top of the page Do reading #1, #2, #3 and record your times. Grammar and Punctuation Booklet Term1 Complete page 48 on Adjectives Reading: Spend some time quietly reading your AR book or a book from your home library. Do an AR quiz?	comprehension questions on the back of the Nutrition page.	Reading: Spend some time quietly reading your AR book or a book from your home library. Do an AR quiz?	
Break	Have a break.	Have a break.	Have a break.	Have a break.	Have a break.	
Middle	Mathematics Mentals Monday Week2 Parents to mark please Speed Test Persistence Booklet page 7- column 1 Warm Up: Login to Mathletics — https://login.mathletics.com/ Mathletics Live: 15 mins Complete two of your set Mathletics Tasks	Mathematics Mentals Tuesday Week2 Parents to mark please Speed Test Persistence Booklet page 7- column 2 Warm Up: Login to Mathletics — https://login.mathletics.com/ Mathletics Live: 15 mins Complete two of your set Mathletics Tasks	Mathematics Mentals Wednesday Week2 Parents to mark please Speed Test Persistence Booklet page 7- column 3 Warm Up: Login to Mathletics — https://login.mathletics.com/ Mathletics Live: 15 mins Complete two of your set	Mathematics Mentals Thursday Week2 Parents to mark please Speed Test Persistence Booklet page 7- column 4 Warm Up: Login to Mathletics — https://login.mathletics.com/ Mathletics Live: 15 mins Complete two of your set Mathletics Tasks Teachers will check your	Mathematics Mentals/ Problem Solving and Friday Test Week2 Parents to mark please Speed Test Persistence Booklet page 7- column 5 Warm Up: Login to Mathletics — https://login.mathletics.com/ Mathletics Live: 15 mins Complete two of your set	

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	Monday	Tuesday	Wednesday	Thursday	Friday
	Daily Focus - Subtraction E.g Watch: Mathantics "Basic Subtraction" https://www.youtube.com/ watch?v=Y6M89-6106I Complete Worksheet Year 5 p40 attached Year 6 p10 attached Pythagoras Maths Group p3 attached Archimedes Maths Group extension students may complete the Year 6 page.	Complete Worksheet Year 5 p41 attached Year 6 p41 attached Pythagoras Maths Group p29 attached Archimedes Maths Group extension students may complete The Property of the Year 6 page. Shapes/triangles Complete Worksheet Year 5 p42 attached Year 6 p42 attached Pythagoras Maths Group p5 attached Archimedes Maths Group extension students may complete the Year 6 page. Shapes/triangles Measurement/Area Eg Watch: Mathantics "Area" https://www.youtube.com/watch? Complete Worksheet Year 5 p43 attached Year 5 p43 attached Year 6 p43 attached Pythagoras Maths Group p23 attached Archimedes Maths Group p23 attached Archimedes Maths Group		Mathletics Tasks No daily focus lots of work in your mentals book with both Problem Solving and Friday test pages.	
Break	Have a recess break.	Have a recess break.	Have a recess break.	Have a recess break.	Have a recess break.
Afternoon	Dance/Music:	Science:	Art:	History: Federation	PD/H/PE:
	E.g.• Watch "Let's Dance – Party Rock Anthem" Have a go!! If you enjoy it, try another dance https://www.youtube.com/wat ch?v=6h5LieoWoa4 AND/OR E.g.• Listen to the song: 'Saltwater' by Julian Lennon https://www.youtube.com/wat ch?v=oGQiqq9N1jo Learn the lyrics. Illustrate each verse. Write about the message this song is trying to get across to the audience.	Have you planted your plants from Plant Prop If not do so. Draw a rough sketch of where it is. Does it have, sun, water, and fertiliser. Draw a picture of your plant or take a photo of it. Compare the picture in the coming weeks.	Visit: www.pobble365 Choose from the calendar in the top right-hand corner of the page. Monday 30th of March It will be called Rumpelstiltskin Complete Perfect Picture	Create a travel brochure. 1 sheet of A4 paper folded into three columns. First page is the title + pictures of Canberra's highlights. Can be drawn or printed. Second page location Where is Canberra? What is it near? Draw a map. Third page, choose a landmark/tourist attraction and write a detailed report on: Where it is? Why it is so well known? Interesting facts. Pictures, pictures! Make your brochure interesting and colourful.	Review: Look at your physical activity diary for this week. Calculate how much time each day was spent on physical activity. Remember you need to do an activity that will make your heart work hard!

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5/6 Spelling Term 1 Week 10. Revision



Challenge Words

independent

casual

banguet

tranguil

ominous

abomination

Ext Level 3 Level 4 Level 5 blithe require entirely emphasise chide telephone compose remoteness docile immune signature adventurous bovine reduce adventure rejuvenate chastise decide anecdote parasite

decide parasite anecdote chastise benefactor

High Frequency - light, noise, move, push, opposite debilitated

Homophones - current, careful, state, statement, lessen facilitator

Rule Words care, careful, state, statement, safely
Rule: Keep the final e if the ending starts with a consonant.
Etymological: audio means I hear: audience, audiovisual,
auditorium, auditory, audible

autos means self: autograph, autobiography, automatic, automation, autocracy

Term 1 week 10 Dictation

Be careful with how you use your telephone if you decide to reduce your bill. It will lessen costs if you don't call at all. + require, immune, care, state, statement, safely, currency, hall, haul, lesson, noise, move, light, push, opposite

The parasite went on an adventure and entirely composed a new parasite law which needed his signature.

The tour company had to emphasise the remoteness of the resort so the adventurous travellers would not be alarmed. + rejuvenate, independent, casual, banquet, ominous

I had to chide and chastise the normally docile bovine after it effectively debilitated the tournament facilitator. + abomination, benefactor, blithe

4-digit subtraction

Learning to trade in a subtraction

2 thousands from 5 thousands equals 3 thousands.

4 hundreds from 2 hundreds can't be done. so trade a thousand from the thousands column to make 12 hundreds, 6 thousand becomes 5 thousand, 4 hundreds from 12 hundreds equals 8 hundreds.

4 2 4 3 _8 9

> Subtract 2 tens from 4 tens equals 2 tens.

4 ones from 3 ones can't be done. Trade a ten from the tens column to the ones column to make 13 ones. 5 tens becomes 4 tens. 4 ones from 13 ones equals 9 ones.

1 Complete these subtractions with trading in the ones.

- Thou Hund Tens Ones
 - 6 5
- b Thou Hund Tens Ones 5
- 0 0
- c Thou Hund Tens Ones 2
- 6
- d Thou Hund Tens Ones 8 3
 - 5 3 2 5
- 5 5 2 2

Complete these subtractions with trading in the tens or ones.

- Thou Hund Tens Ones
 - 5 4 5 8
- b Thou Hund Tens Ones 3
- 6
- c Thou Hund Tens Ones 3
- 5
- Thou Hund Tens Ones
- 2
- 3

- Thou Hund Tens Ones 0
- Thou Hund Tens Ones 7 5 3 0
- 3 8 6
- h Thou Hund Tens Ones 8
 - 3
- Thou Hund Tens Ones
- Thou Hund Tens Ones 6 0 0

From Sydney

CANBERRA 284 km MELBOURNE 869 km ADELAIDE 1422 km KALGOORLIE 3440 km PERTH 3967 km BROOME 5280 km

Calculate the distances between:

- a Melbourne **b** Adelaide and Kalgoorlie and and Canberra Canberra Adelaide
- d Perth and Melbourne
- e Perth and Canberra
- f Broome and Perth

Prime and composite numbers

Prime numbers are numbers that have only themselves and 1 as factors e.g. 2, 3, 5 and 7 are prime numbers but 4, 8 and 9 are not.

Composite numbers are numbers with more than two factors, e.g. 24 has factors of 1, 2, 3, 4, 6, 8, 12 and 24.

Write all the factors of these numbers, then write whether they are prime or composite.

	Number	Factors	Prime or composite
a	8		
b	7		
C	9		
d	11		

	Number	Factors	Prime or composite
e	18		
f	16		
g	23		
h	17		

5 Write prime or composite after each number.

a 5 _____ e 29 ____ i 32 ____

b 20 _____ **f** 42 ____ **i** 37 ____

c 19 _____ **g** 31 ____ **k** 40 _____

d 24 _____ h 60 ____ I 45 ____

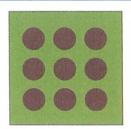


6 Explain why you agree or disagree with these statements.

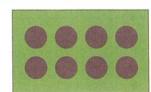
a All odd numbers are prime numbers. __

b There are more composite numbers than prime numbers.

Square and oblong numbers



9 is a "square" number.

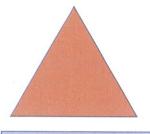


8 is an "oblong" number.

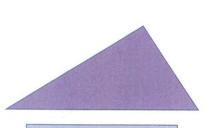
Write the numbers under 101 that are both square and oblong.

A **triangle** is a three-sided shape with three angles. The total of all angles is always 180°. There are three main types of triangle: **equilateral**, **isosceles** and **scalene**.

8 Study the three types of triangle pictured, then answer the questions.



Equilateral triangle



Scalene triangle



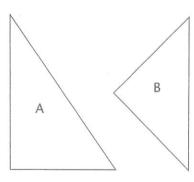
Isosceles triangle

- a Which triangle has all sides of equal length?
- **b** Which triangle has only two sides of equal length? _
- Which triangle has all angles the same size?
- d Which triangle has only two angles the same size?
- e Which triangle has no sides the same length?
- f Which triangle has no angles the same size?

A right-angled triangle is a triangle in which one angle is a right angle.

D

Colour the right-angled triangles.



C

E

Did you find three right-angled triangles?

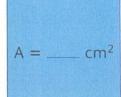


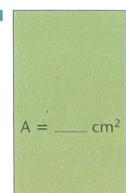
Sketch examples of each triangle. The dot paper may help you.

Square centimetres

Use the formula "length \times width = area" to calculate the area of each shape in square centimetres.

$$A = _{---} cm^2$$





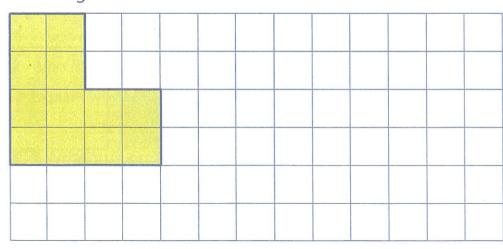
area of 24 cm².

 $A = _{--} cm^2$

 $A = _{--} cm^2$

Use the formula "length \times width = area" to create two rectangles, each with an

- Kate drew this 12 cm² shape and told her friend that all shapes with a 12 cm² area have a perimeter of 16 cm. Draw two more shapes of 12 cm² to find out if Kate is right.



Are area and perimeter related?



Subtracting 4-digit numbers

Sometimes trading is needed when subtracting.

Thous	Hund	Tens	Ones
56	14	78	16
-2	9	5	7
3	5	2	9



	Step 1	7 from 6 can't do. Trade a 10 from the tens column. There are now 7 tens in the tens column and 16 ones in the ones column. $16 - 7 = 9$ Record 9 on the answer line in the ones column.
	Step 2	5 tens from 7 tens = 2 tens Record 2 on the answer line in the tens column.
)	Step 3	9 hundreds from 4 hundreds can't do. Trade 1000 from the thousands column. There are now 5 thousands in the thousands column and 14 hundreds in the hundreds column. $14 - 9 = 5$ Record 5 on the answer line in the hundreds column.
	Step 4	2 thousands from 5 thousands = 3 thousands.

1 Complete each algorithm.

Record 3 on the answer line in the thousands column.

- 6 5 4 8

2 Fill in the empty boxes to complete these algorithms.

Calculate the profit made on each item by comparing the cost price and the selling price.















	Ring	Bracelet	Necklace	Watch	Earrings	Nose ring	Locket
Selling price							
Cost price	\$2385	\$1986	\$898	\$395	\$809	\$157	\$48
Profit		_					

Prime and composite numbers

Study the rules for divisibility to aid you in identifying factors.

2	The last digit is an even number.
3	
	for example $63 = 6 + 3 = 9$
4	The last 2 digits are multiples of 4, for example 912
5	The last digit is a 5 or a 0
6	No rule
7	No rule
8	The last 3 digits are multiples of 8, for example 5 160
9	The sum of the digits is a multiple of 9, for example
	54 = 5 + 4 = 9
10	The last digit is a 0

Prime numbers are numbers that only have themselves and 1 as factors. Composite numbers are numbers with more than 2 factors.

6 Use these rules to identify the prime and composite numbers below.

- composite a 54 ___
- h 77 _____
- o 63 _____

- **b** 80 _____
- 93 _____
- p 65 ____

- c 64
- i 97 _____
- **q** 67 _____

- k 86 _____
- r 69 _____ s 73 _____

- e 71 _____
- 66 _____
- m 76 ______ t 75 _____
- 99 _____
- n 98 _____ u 79 ____

Shade the numbers in the grid that are divisible by the given divisor.

	Divisor		Number						
a	2	14	100	248	152	2157			
b	3	18	396	67	225	1233			
C	4	28	112	1442	1347	3856			
d	5	50	275	171	2275	4723			
e	8	68	248	1480	2344	1560			
f	9	83	135	3348	3448	2557			
g	10	997	990	1040	3 3 9 5	10000			

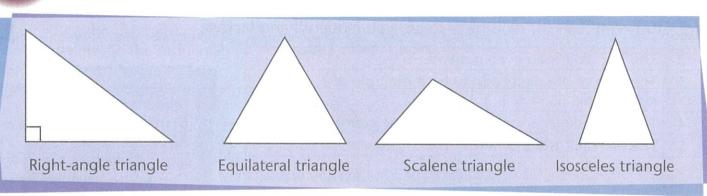
297 is divisible by 9 because 2 + 9 + 7 = 18which is a multiple of 9.

Create 4 numbers of at least 3 digits that are divisible by 4.

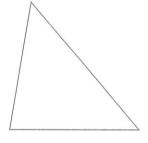
Create 4 numbers of at least 3 digits that are divisible by 8.

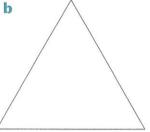
10 Create 4 numbers of at least 3 digits that are divisible by 9.

Triangles/angles

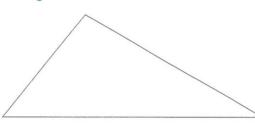


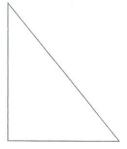
- 11 Study the triangles above then answer the questions.
- a Which triangle above always has a right angle?
- **b** Which triangle has 3 sides the same length and 3 angles the same size?
- Which triangle has two sides the same length and two angles the same size?
- d Which triangle has no sides the same length, no angles the same size and does not contain a right angle?
- 12 Name each triangle then measure their angles. Remember that the total of all the angles in a triangle must add up to 180°.

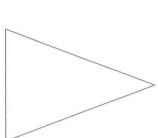


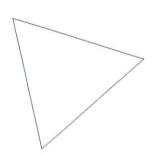


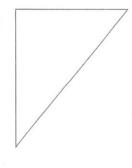
C



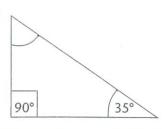


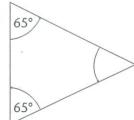


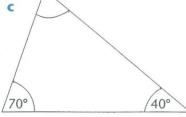


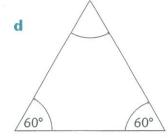


13 Find the missing angle in each triangle.



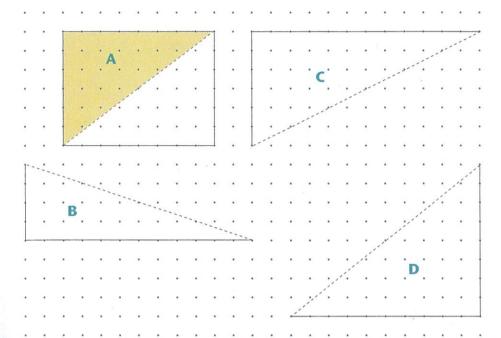






Area of triangles

Convert these triangles into rectangles that are double in area. Record the area of each shape in the grid. The first one has been done for you.

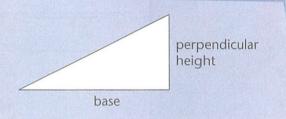


Shape	Area
A	12 cm ²
A	6 cm ²
В	
В	
c	
C	
D	
D	

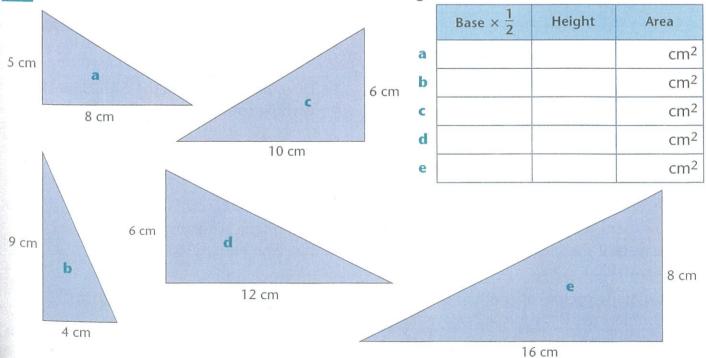
The area of a triangle is found by applying the formula:

Area = $\frac{1}{2}$ base × perpendicular height

This formula actually shows that a triangle is half the area of a rectangle of the same length and perpendicular height.



15 Use the formula to calculate the area of the triangles.



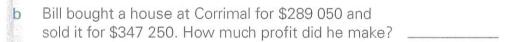


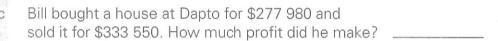
6 Complete each algorithm.

		_		_				_	
-	2 3 0 0 4		70008	-	65826	_	9869	-	44600
а	1 7 0 0 7.	D		С		u		е	0 / / / /
_	47067	h	80346	0	86667	d	75033	0	67777

Bill's house renovations.

a	Bill bought a house at Mangerton for \$297 000 and	
	sold it for \$354 500. How much profit did he make?	





d	Bill bought a house at Kiama for \$317 450 and	
	sold it for \$377 590. How much profit did he make?	

е	Bill bought a house at Mt Keira for \$312 250 and	
	sold it for \$390 500. How much profit did he make?	



SUPER QUESTION

To claim travelling expenses on her tax return, Christina keeps a 'log book' which shows her car's odometer reading at the beginning and at the end of each trip. Help her calculate the distances covered and the amounts she can claim calculated at 15c per kilometre.

Date	Beginning of trip	End of trip	Kilometres travelled	Amount claimed
18/9	38 542	39 461		
19/10	43 814	44 002		
4/11	44 629	44 913		
29/3	52 414	52 739		
24/4	55 029	55 216		
age gainst he	f	Total		

d

4 Study the rules for divisibility to aid you in identifying factors.

÷	2	The last digit is an even number.
÷	3	The sum of the digits add to be a multiple of 3, e.g. $63 = 6 + 3 = 9$.
÷	4	The last 2 digits are multiples of 4, e.g. 9 <u>12</u> .
÷	5	The last digit is a 5 or a 0.
÷	6	No rule.
÷	7	No rule.
÷	8	The last 3 digits are multiples of 8, e.g. 5 <u>160</u> .
÷	9	The sum of the digits is a multiple of 9, e.g. $54 = 5 + 4 = 9$.
÷	10	The last digit is a 0.

Prime numbers are numbers that only have themselves and one as factors.
Composite numbers are numbers with more than 2 factors.



Use these rules to identify the prime and composite numbers below.

			printe and composite name		
а	54 composite	h	77	0	9162
b	80	i	93	р	7265
					5363
					1269
					8473
f	83	m	776	t	7575
	99				

6 Shade the numbers in the grid that are divisible by the given divisor.

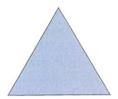
Divisor			Number	r	
2	14	100	248	152	2157
3	18	396	67	225	1233
4	28	112	1442	1347	3856
5	50	275	171	2275	4723
8	68	248	1480	2344	1560
9	83	135	3348	3448	2557
10	997	990	1040	3395	10 000

297 is divisible by 9 because 2 + 9 + 7 = 18 which is a multiple of 9

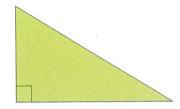


- Create four numbers of at least 3 digits that are divisible by 4.
- 8 Create four numbers of at least 3 digits that are divisible by 8.
- 9 Create four numbers of at least 3 digits that are divisible by 9.





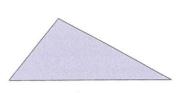
Equilateral triangle



Right-angle triangle



Isosceles triangle

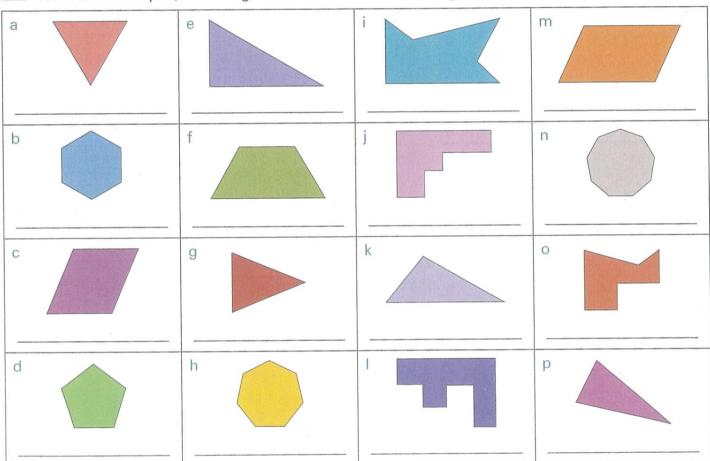


Scalene triangle

13 Answer the questions.

- Which triangle has 3 sides the same length and 3 angles the same size?
- Which triangle has 2 sides the same length and 2 angles the same size? b
- Which triangle has no sides the same length and no angles the same size? C
- Which triangle contains a right angle? d

Name these shapes, including the full names for the triangles.



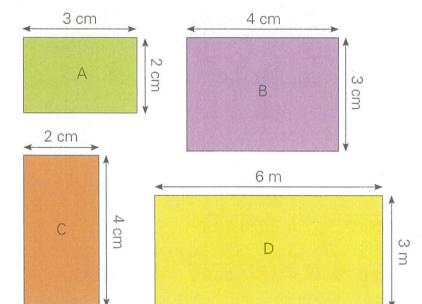
15 What shape am I?

- I have 3 straight sides. My side lengths are 7 cm, 4 cm and 5 cm.
- I have 8 angles the same size and 8 straight sides the same length. b
- I have 6 straight sides. C
- I have 10 straight sides the same length and 10 angles the same size. d

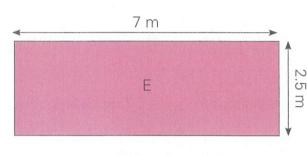
Square centimetres and metres UNIT5



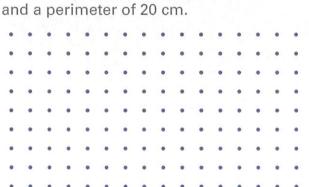
19 Use the formula length \times width = area to find the area of each shape.



	Length	Width	Area
Α	cm	cm	cm²
В	cm	cm	cm ²
С	cm	cm	cm ²
D	m	· m	m ²
Е	m	m	m²
F	mm	mm	mm²



20 Draw a rectangle with an area of 24 cm²



21 Draw a rectangle with an area of 35 cm² and a perimeter of 24 cm.



Calculate the surface area of the paper clips box. You will need to calculate the area of each individual face and total them.

160 mm

