I'm not robot!



Factorising Expressions (B) ANSWERS

cazoom!

Factorise the following quadratic expressions fully.

Section A

Progression: Quick

1)	8x + 24 8(x + 3)	10)	72wz + 45w2z 9wz(8 + 5w)
2)	15 + 25y 5(3 + 5y)	11)	22x2y - 55xy2 11xy(2x - 5y)
3)	32 - 40w 8(4 - 5w)	12)	$16k^3 + 24k^2 8k^2(2k + 3)$
4)	18c - 36 18(c - 2)	13)	9h ² g - 15h ³ 3h ² (3g - 5h)
5)	16d ² - 4d 4d(4d -1)	14)	$12c^2d^2 + 20c^3 4c^2(3d^2 + 5c)$
6)	12s + 60s ² 12s(1 + 5s)	15)	28a3b2 - 7a2b 7a2b(4ab - 1)
7)	21xy + 14x 7x(3y + 2)	16)	$60x^2y^3 - 35xy^2 5xy^2(12xy - 7)$
8)	27ab - 18a ² 9a(3b - 2a)	17)	88s4t + 56s3t2 8s3t(11s + 7t)
9)	12s ² t + 28s 4s(3s + 7)	18)	36p ³ q ⁴ - 48p ⁴ q ² 12p ³ q ² (3q ² - 4
on B			

1)	6 - 12gh + 3h 3(2 - 4gh + h)	10) $2x + xy - x^2 + x(2 + y - x)$
2)	21st - 7t + 14 7(3st - t + 2)	11) 5k ² - 10jk + k k(5k - 10j + 1)
3)	22 - 44vw + 11v 11(2 - 4vw + v)	12) 9cd - 3c2d + 12c 3c(3d - cd + 4)
4)	4ab + 2b - abc b(4a + 2 - ac)	13) $7xyz + xy^2 - x^2y xy(7z + y - x)$
5)	5suv - 10sv + 15su 5s(uv - 2v + 3u)	14) $e^{2}f - 5e^{3}f^{2} + e^{2}e^{2}(f - 5ef^{2} + 1)$
6)	16xy + 24y - 8xyz 8y(2x + 3 - xz)	15) 8st ² u - 32s ² t + 64st 8st(tu - 4s + 8)
7)	9wu - 27wuv + 45w 9w(u - 3uv + 5)	16) 12g ³ h - 9g ² h ² + 18g ² h 3g ² h(4g - 3h + 6)
8)	24gh - 12g + 15h 3(8gh - 4g + 5h)	17) 1/2 ab + 3/4 a ² - a 1/4a(2b + 3a - 4)
9)	132pqr - 96qr + 108pqrs	18) $\frac{3}{4}x^4y - x^2y^3 + \frac{1}{2}x^3y^2$
	12qr(11p - 8 + 9ps)	$1/4 x^2 y(3x^2 - 4y^2 + 2xy)$

	-,		
	7) 21xy + 14x 7x(3y + 2)	16) $60x^2y^3 - 35xy^2 5xy^2(12xy - 7)$	
	8) 27ab - 18a ² 9a(3b - 2a)	17) 88s ⁴ t + 56s ³ t ² 8s ³ t(11s + 7t)	
	9) 12s ² t + 28s 4s(3s + 7)	18) 36p ³ q ⁴ - 48p ⁴ q ² 12p ³ q ² (3q ² - 4p)	
Se	ction B		
1)	6 - 12gh + 3h 3(2 - 4gh + h)	10) $2x + xy - x^2 + x(2 + y - x)$	
2)	21st - 7t + 14 7(3st - t + 2)	11) 5k ² - 10jk + k k(5k - 10j + 1)	
3)	22 - 44vw + 11v 11(2 - 4vw + v)	12) 9cd - 3c ² d + 12c 3c(3d - cd + 4)	
4)	4ab + 2b - abc b(4a + 2 - ac)	13) $7xyz + xy^2 - x^2y xy(7z + y - x)$	
5)	5suv - 10sv + 15su 5s(uv - 2v + 3u)	14) $e^{2}f - 5e^{3}f^{2} + e^{2}e^{2}(f - 5ef^{2} + 1)$	
6)	16xy + 24y - 8xyz 8y(2x + 3 - xz)	15) 8st ² u - 32s ² t + 64st 8st(tu - 4s + 8)	
7)	9wu - 27wuv + 45w 9w(u - 3uv + 5)	16) $12g^{3}h - 9g^{2}h^{2} + 18g^{2}h 3g^{2}h(4g - 3h + 6)$	
8)	24gh - 12g + 15h 3(8gh - 4g + 5h)	17) ½ ab + ¾ a ² - a ¼a(2b + 3a - 4)	
9)	132pgr - 96gr + 108pgrs	18) $\frac{3}{4}x^4y - x^2y^3 + \frac{1}{2}x^3y^2$	
	12qr(11p - 8 + 9ps)	$1/4 x^2 y(3x^2 - 4y^2 + 2xy)$	



Sentences & Punctuation:

 In very early manuscripts written by monks, no punctuation was used and this made it very difficult to read. Punctuation was introduced to divide up unbroken sections of text into small, easily understood parts.

 Punctuation marks such as . , ?! all help to make writing more clear.

Using Quotations

Quotation Marks (sometimes called Speech Marks) are used to attribute the enclosed text to someone else. In other words, they tell the reader that the words inside have been said by a person or character.

A. In groups of 2 or 3, work out where the 4 pairs of quotation marks should be; then feedback to the class.

From Oliver Twist by Charles Dickens... the "I want some more" extract:

Oliver Twist and his companions suffered the tortures of slow starvation for three months. At last they got so voracious and wild with hunger, that one boy who was tall for his age, hinted darkly to his companions that unless he had another basin of gruel, he was afraid he might some night happen to eat the boy sleeping next to him, who happened to be a weakly youth of tender age. He had a wild, hungry eye and they implicitly believed him. A council was held; lots were cast for who should walk up to the master after supper that evening and ask for more; and it fell to Oliver Twist.

The evening arrived; the boys took their places. The master, in his cook's uniform, stationed himself at the copper; his pauper assistants ranged themselves beside him; the gruel was served out; and a long grace was said over short commons. The gruel disappeared; the boys whispered to each other and winked at Oliver; while his next neighbours nudged him. Child as he was, he was desperate with hunger, and reckless with misery. He rose from the table; and advancing to the master, basin and spoon in hand, said, somewhat alarmed at his own temerity,

"Please, sir, 1 want some more." The master was a fat, healthy man; but he turned very pale. He gazed with stupified astonishment on the small rebel for some seconds; and then clung for support to the copper. The assistants were paralyzed with wonder, the boys with fear.

"What!" said the master at length, in a faint voice. "Please, sir," replied Oliver, "I want some more." The master aimed a blow at Oliver's head with the ladle, pinioned him in his arms, and shrieked aloud for the beadle. B. Now think of some words to go inside the following quotation

marks:

Punctuation pyramic

Teaching ideas

This pyramid can be cut out and displayed on desks (ideally printed on card and enlarged), as a visual at-a-glance reminder of the range of punctuation marks students can use in their work.

As a punctuation starter, plenary or five minute focus, challenge students to use as many types of punctuation as they can (in a meaningful, accurate way). Use the numbers 1-5 as a scoring system, and encourage students to peer mark each other's work and award points as appropriate. Alternatively, change the numbers to match elevant assessment objectives or levels

Try one of the following short writing tasks:

You're on the first passenger flight to the moon. Write a postcard home.

- Write a recipe for a meal you'd cook for an enemy, in no more than 100 words.
- Explain how you send an email in five steps, for older adults who have never used a
- Write a review of your favourite book/ song/ film/ app/ game in 75 words
- Argue in favour (or against) a ban on mobile phones in schools, in 50 words or less.
- Write a sentence about chocolate in 15 words, using as many forms of punctuation as you can. (It must make sense!)
- * Write a microfiction story in 50 words, starting with, 'It had the weirdest ...', or try any of the writing prompts on www.storybutter.com
- * Take an idiom ('barking up the wrong tree', 'an arm and a leg', 'crack someone up', 'excuse my French' etc.) and explain it for a foreign learn
- Finish the following sentence: 'If I had the power to change something, I would change .
- Write about the biggest lie you've ever told.
- Write a complex sentence, including the following objects: washing up liquid, a snail, New York and a sausage
- Summarise a news report from today's news in 30 words.
- Imagine someone has written your autobiography. In 75 words, write the back
- You have enemies? Good. That means you've stood up for something, sometime in your life.' Winston Churchill Do you agree or disagree?

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Punctuation worksheets ks3 with answers pdf.

22 reviews If used properly, punctuation marks can become cumbersome, inhibiting the reader's ability to understand the material and establish order and flow. Moreover, an excess of punctuation marks can lead to the creation of run-on sentences - sentences in which two or more independent clauses (i.e., complete sentences) are joined without appropriate punctuation marks. Punctuation marks are symbols that indicate the structure and organization of written language, as well as intonation and pauses to be observed when reading aloud. In written English, punctuation is vital to disambiguate the meaning of sentences. For example, "woman, without her, man is nothing" (emphasizing the importance of men) have greatly different meanings, as do "eats shoots and leaves" (to mean "consumes plant growths") and "eats, shoots and leaves" (to mean "eats firstly, fires a weapon secondly, and leaves" (to mean "king Charles walked and talked; half an hour after his head was cut off". (For English usage, see the articles on specific punctuation marks.) The rules of punctuation are stylistic and are thus the author's (or editor's) choice. Tachygraphic language forms, such as those used in online chat and text messages, may have wildly different rules. Below you'll find our complete list of printable punctuation worksheets are clear, colorful, and of the highest quality. Scroll down this page to view specific descriptions of each punctuation exercise presented in this section. Below you'll find our complete list of punctuation worksheets. These worksheets are great for use in school or at home. We hope you find them useful. We appreciate your interest and support! Commas Worksheet Apostrophes Ouiz Colons Worksheet Colons Worksheet Answers Semicolons Quiz Last updated July 2021Three short literacy worksheets about identifying and correctly punctuating direct and indirect speech, and converting between them. Ideal for year 5 (who are confident readers), year 6, and maybe year 7 and year 8. Works well as a starter, main SPAG activity, homework, home learning or cover work. The first sheet involves adding speech marks to sentence is an example of direct or indirect speech. The third sheet involves converting between direct and indirect speech. I gave this as a starter for a cover lesson for my "top" year 5 class, and it was given as homework for another year 5 class. Children seemed to enjoy this, and it did help consolidate the correct punctuation of direct speech. I recommend this as a consolidate the correct punctuation of direct speech. I recommend this as a consolidate the correct punctuation of direct speech. complete, with more time if children are cutting and sticking this into books themselves (a good idea for fine motor skills), and then 10 or so minutes to self/peer-mark as a whole class. Creative Commons "Sharealike"Select overall rating(no rating)Your rating is required to reflect your happiness.Write a reviewUpdate existing reviewIt's good to leave some feedback.Something went wrong, please try again later.This resource hasn't been reviewed yetTo ensure quality for our reviews, only customers who have downloaded this resource can review itReport this resource to let us know if it violates our terms and conditions. Our customer service team will review your report and will be in touch. kristine44 • Signs and Notices, Punctuation This grammar-quide presents in a clear manner the most important punctuation marks in English, (full stop, comma, semi-colon, apostrophe, etc.), explaining their use and providing examples (page ... 1 50,430 Pre-IntInt Liz Marquez This worksheet features a variety of punctuation marks. This resource features a va ... 1 41,982 Elem Sonali S Vinnakota • Business Grammar, Young Learners, Humour, Punctuation This worksheet contains four illustrations that explain the importance of using hyphens. Research has shown that visuals boost engagement levels among students and help with better assimilation an ... 2 12,511 Elem •Correcting Mistakes, Animals, Spelling, Punctuation Editing and rewrite the passages correctly on the lines provided. This is great pra ... 9 47,036 Elem Belinda • Crosswords/Boardgames, Punctuation I use this crossword puzzle with my elementary to pre-intermediate classes to test how much they know about simple punctuation I use this at the beginning of a lesson before revising or te ... 7 29,316 ElemPre-Int • USA, Opinions, Mass-media, Punctuation This is a worksheet I use with Channel One News. Before watching the news, students fil ... 4 19,254 ElemPre-IntInt Adam The following worksheet contains two exercises on the use of commas in English. The first one is a set of 20 sentences, and the second is a short text. The learner is supposed to put commas in the ... 13 72,109 Int This is a guide for basic punctuation including example sentences. How to use a comma, colon, semi-colon and per ... 9 57,116 ElemPre-IntInt •Business Grammar, Email English, Punctuation This is a detailed presentation about business writing. Including formal letters and emails; correct usage of punctuation, spelling, number usage, layout guidelines, salutations and valedictions. ... 15 40,084 IntAdv This is a comic made into an easy-to-use PowerPoint presentation. Be careful about your audience as some people may find it inappropriate. However, I teach English to young adult learner ... 7 18,411 Pre-IntIntAdv • Correcting Mistakes, Spelling, Punctuation This sheet can be used for peer-editing or self-editing an essay. It's designed for beginning of a paragraph, capital letters and periods for sentences, spe ... 8 42,784 Elem This is a very simple worksheet for teaching the use of apostrophe at elementary level. There's a brief explanation at the top of the page followed by an activity in which students are asked ... 9 23,902 ElemPre-Int This is a colourful classroom poster which can also be used as a picture dictionary or a study sheet for teaching or revising punctuation related vocabulary at elementary level. 25 43,129 ElemPre-Int • Prepositions and Conjunctions, Punctuation This is a 3-page worksheet for teaching clauses of reason and clauses of result. There's a complete grammar guide followed by 3 different activities in which students are asked to choose a su ... 10 22,690 Pre-IntInt This is a punctuation worksheet I found that I would like to share. It is for a senior phase level. Learners have to identify the types of sentences given. A sentence is given which the lear ... 12 34,818 Adv This worksheet is all about missing punctuation and was created for children of 8 - 9 years old. There are 13 sentences for children to read. Some of the sentences are questions, others are statem ... 10 82,799 Elem Add punctuation marks to the following poem named "The Pig" by Roald Dhal. Visit MagicPathshala.com to learn about sentences and for follow up activities and educational videos. Watch this video f ... 10 20,985 All Two dice for revising punctuation marks. Recommended for elementary students who are asked to to roll both dice and then name the punctuation marks on the cards. Playing games with the cards will reinforce both the name and shape of the mark. I ... 8 14,524 ElemPre-IntInt •Writing, Punctuation, Creative Writing Prompts It was designed for intermediate students who have already learnt how to write essay types. It makes your ss understand how to write an e ... 35 140,236 IntAdv This is a two page worksheet teaching May I vs. Can I. The first has ten sentences in which they must unscramble correctly. The second page has five sentences in which they must correct. We were e ... 15 17,225 Pre-IntInt •Business Grammar, Punctuation This worksheet/poster will be a great way to challenge your learners to test their knowledge of apostrophes. Learners, students and adults alike, will love to take the challenge of identifying the ... 19 28,380 All

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