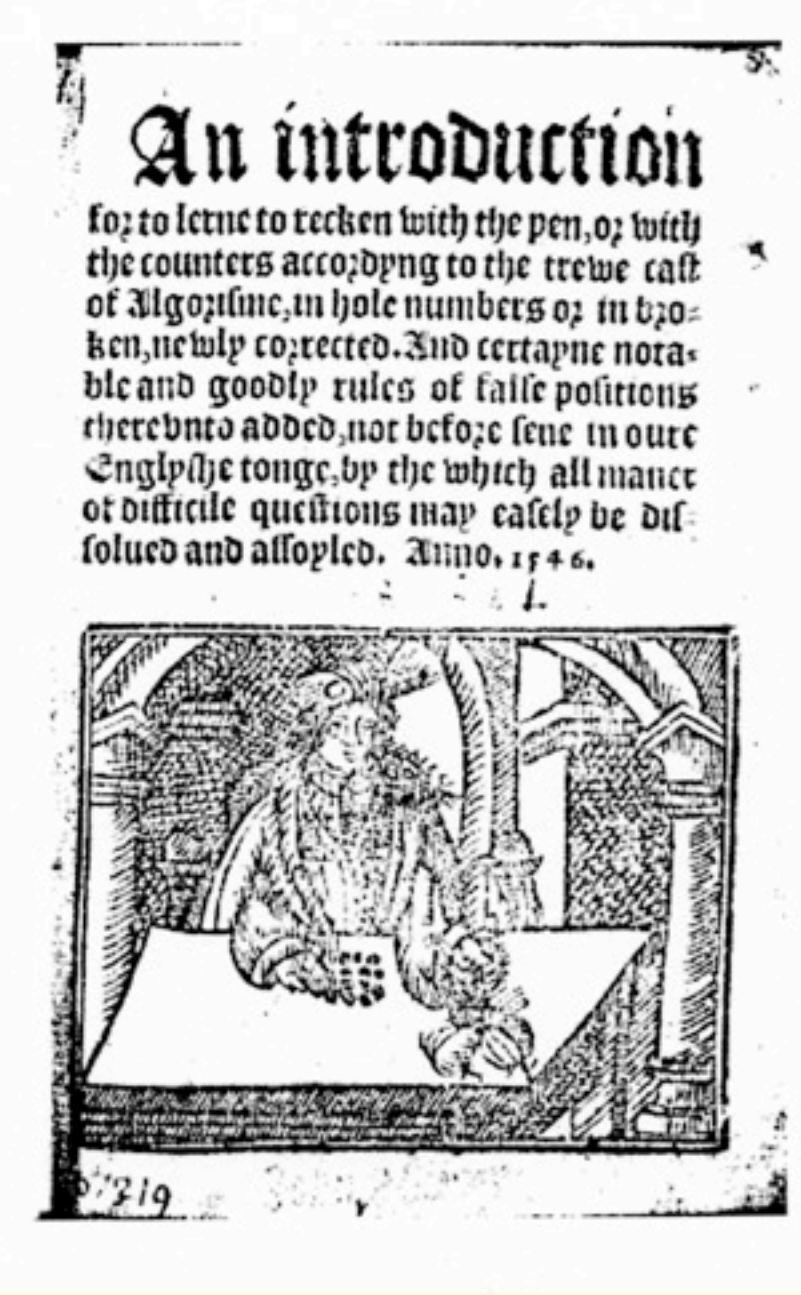

An introduction
for to lerne to recken with the pen, or with
the counters accordyng to the trewe cast
of Algorisme, in hole numbers or in bro-
ken, newly corrected. And certayne nota-
ble and goodly rules of falſe poſitions
therevnto added, not before ſene in oure
Engliſhe tonge, by the which all maner
of difficile queſtions may eaſely be diſ-
ſolued and aſſoyled. Anno. 1546.

Tony Mann

A Textbook Problem

to haue ye maye se in the enſample by the deuyſor. Set togyder all the multyplycatours & they ben 60 / the dyuyſor comune.

36	240	frances
18	120	frances
6	40	frances
Multyplycatours	Deuyſor	60

¶ The rule and queſtyon of the ſpeyre.

A Speyre is the halfe and the thyrde parte within ẏ water, and 9 foꝛe with oute. I demaunde howe myche of lengthe hath the ſpere. Anſwere. Set 6 / foꝛ in 6 is founde a halfe and a thyrde the halfe and the thyrde of 6 ben 5, and there remayneth 1 / foꝛme the rule of thꝛe / yf 1 be comen of 6, of howe many ſhall come 9 / multyplye 6 by 9, and they ben 54 / deuyde them by 1 and they ben 54 / therfoꝛe ye may anſwere that ẏ ſpere hath 54 fote of lẽgth / the halfe is 27, & the thyrde is 18 / and there bẽ 45 fote within the water, and 9 without that is 54. And ſo maye ye do of all other ſemblable, as of a toure.

The

¶ The rule and queſtyon of two mẽ that went that one agaynſt that other

Two men begyn to go and take theyr tourney that one agaynſt that other vpõ one daye and in one houre. Foꝛ that one that goeth fro Parys to Londõ / and goeth euery daye 7 myles, that other goeth from Lyon to Parys, and goeth eche daye 9 myles / and from Lyon vnto Parys ben 80 myles. I demaunde howe lõge tyme ſhal it be oꝛ they mete. Anſwere. Set togyder the myles that they go in one daye / ẏ is to wyt, 7 and 9 ben 16 / foꝛme now the rule of 16 come of 1 daye, of howe moche ſhall come 80 that they haue to go / multyplye 80 by 1 and it is 80 they which ye may deuyde by 16 & therof cometh 5 / therfoꝛe in 5 dayes they mete. The pꝛoue is, foꝛ he ẏ from Parys to Lyõ goeth in 5 dayes, goeth 35 myles / and that other 45 the wych ben 80 myles.

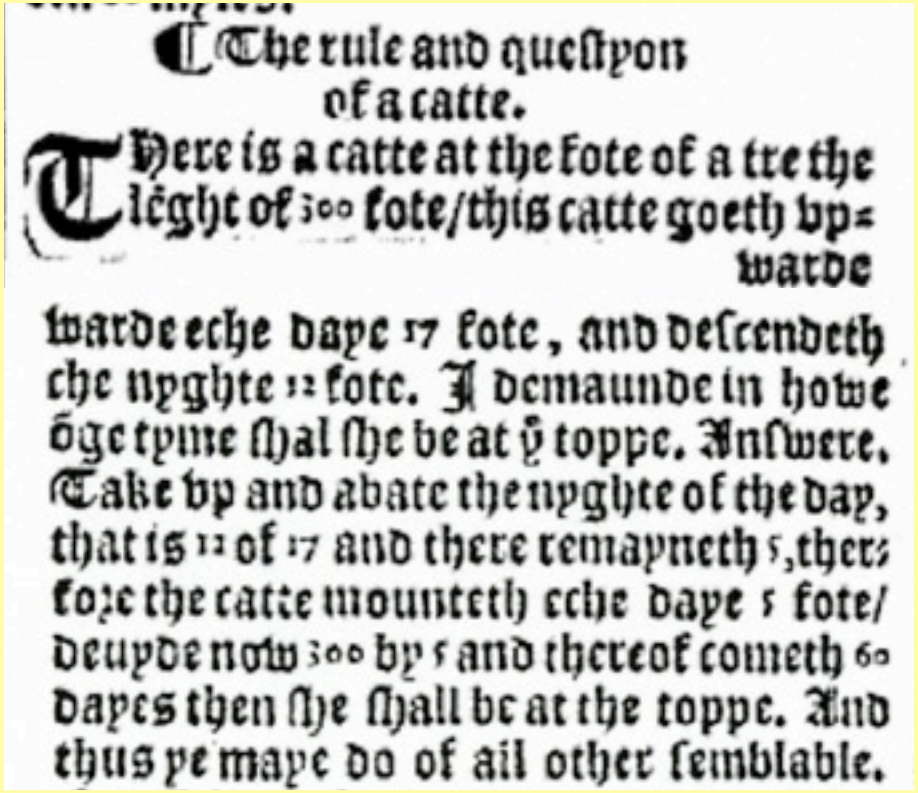
¶ The rule and queſtyon of a catte.

There is a catte at the fote of a tre the lẽght of 300 fote / this catte goeth vpwarde

¶ The rule and questyon of a catte.

There is a catte at the fote of a tre the lēght of 300 fote/this catte goeth vpwarde eche daye 17 fote, and descendeth the nyghte 12 fote. I demaunde in howe ōge tyme shal she be at ỹ toppe. Answere. Take vp and abate the nyghte of the day, that is 12 of 17 and there remaynneth 5, therfore the catte mounteth eche daye 5 fote/ deuyde now 300 by 5 and thereof cometh 60 dayes then she shall be at the toppe. And thus ye maye do of all other semblable.

The rule and questyon of a catte



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warde
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deuyde now 300 by 5 and thereof cometh 60
dayes then she shall be at the toppe. And
thus ye maye do of all other semblable.

There is a catte at the fote of a tre the lēght of 300 fote / this catte goeth upwarde eche day 17 fote, and descendeth the nyghte 12 fote. I demaunde in howe ōge tyme that she be at ŷ toppe. Answere. Take by and abate the nyghte of the day, that is 12 of 17 and there remayneth 5, there fore the catte mounteth eche daye 5 fote / deuyde now 300 by 5 and thereof cometh 60 dayes then she shall be at the toppe. And thus ye maye do of all other semblable.

The rule and question of a cat

There is a cat at the foot of a tree of height 300 feet. This cat goes upward each day 17 feet, and descends each night 12 feet. I ask, how long a time will she take to reach the top?

The rule and question of a cat

There is a cat at the foot of a tree of height 300 feet. This cat goes upward each day 17 feet, and descends each night 12 feet. I ask, how long a time will she take to reach the top?

Answer. Subtract the night from the day, that is 12 from 17: this gives 5, therefore the cat mounts each day 5 feet. Divide now 300 by 5 and you get 60 days: then she shall be at the top. And thus you may do all other similar problems.

What do we want of a textbook problem?

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I'd suggest it should be

- Real-world
- Useful
- Correct

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This one isn't!
So not recommended at £95,000

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But try TGR Renascent Books facsimile

And for to knowe in how many houres this vessell shall voyde, ye shall set togyder the thre nombers, that is to wyt, 1, 2, 5 which ben 8 and that 8 is the deuisor, therfore deuyde 60 by 8, and ye shall fynd that in 7 houres and an halfe it shalbe emptye. And thus may ye do of al other semblable.

¶ The rule and questyon of sarasins, for to cast them within the see.

There is a galle vpon the see wherein be therty marchaūtes. that is to wit 15 crysten men, and 15 sarazyns, there falleth great tempest whereupon it behoueth them to cast all the marchaundyse in to the see, and yet for all that they be not in surete from perysshynge, for the galle is feble and weke, so that by ordynaunce made by the patrone, it is necessary that there be caste into the see the halfe of the thyrty marchaūtes, but the sarazyns wyll not be caste in, nor also the christiens/then by an apoyntment made, they shall sette them downe vpon a rowe, & then counte them vnto 9/and he that sholde fall vpon the 9 to be caste into the see, how wolde ye

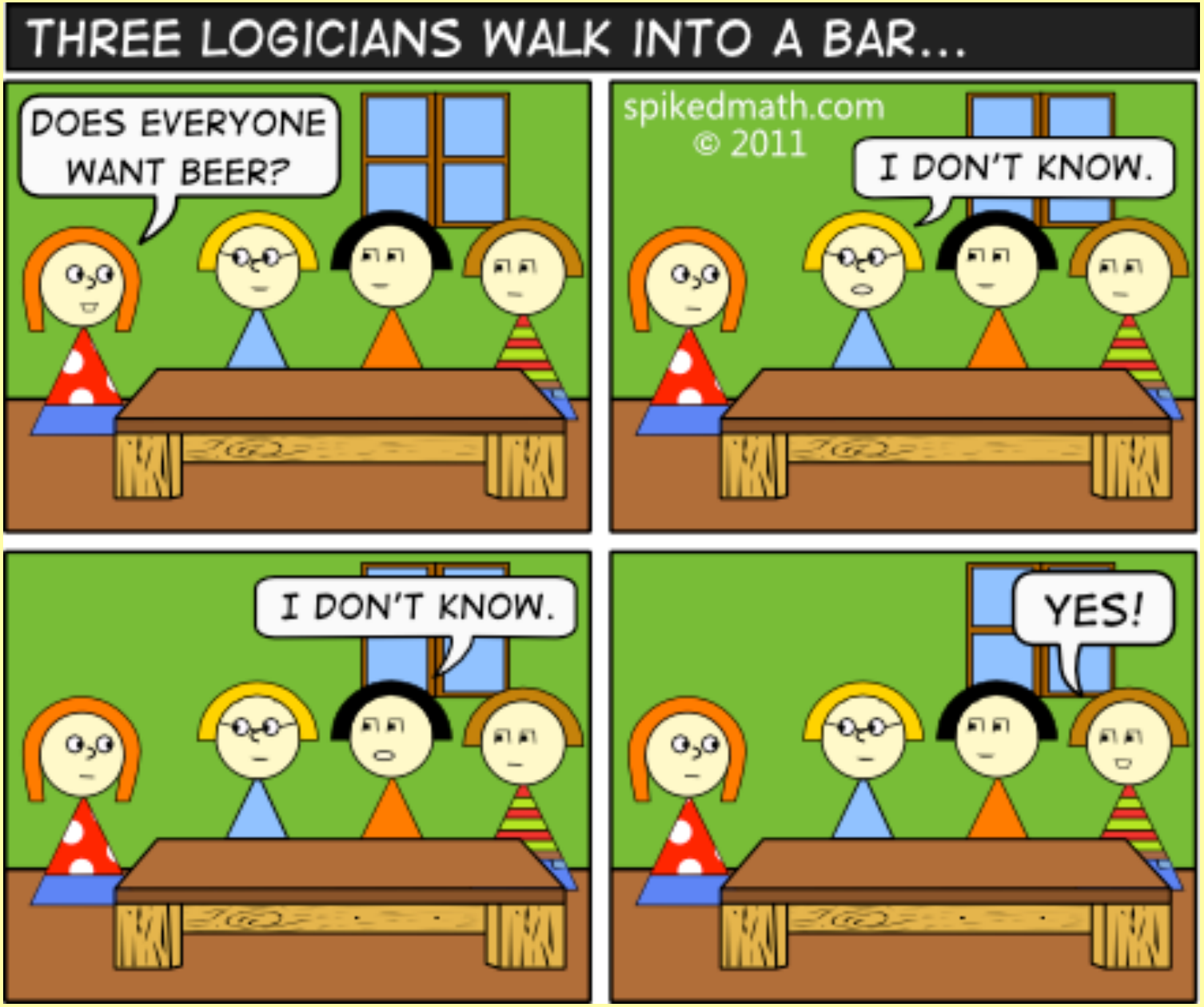
set them that none of the chrystyens shold be caste into the see. Answer. ye shall ordeyne them after these meters folowyng.
Post.iiii.quinqꝫ da post duos vnū colloca
Tres numerabis, postea vnū collocabis
Vnū dic panther, & duo consequenter.
Duos post ponas & .iii. simil' hic apponas
Semel dic añ bis, post.ii. vnū terminabis
Primi christiani, sunt saracenique secundi.
That is to wytte, 4 chrystiens 5 sarazins 2 christyens 1 sarazyn, 3 christyens 1 sarazin 1 chrystien 2 sarasyns, 2 chrystyens 3 sarazyns, 1 chrystyen 2 sarazyns, 2 christiens 1 sarazyn. Or for to knowe it more shortely ye maye worke by this verse folowynge, by the nomber of the vouels.
Populeam virgam matrē regina tenebat

¶ The rule and question of. a testament.

A Man hath made his testament, the which hath lefte his wyfe grate, and hath ordeyned in his testament that yf she brought forth a sone, he sholde haue two partes of his goodes, that is to wyt, of 1200 crones, and his wyfe ye other part,

Tony Mann

Mathematics jokes



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