Factorització d'enters

IES Pons d'Icart

En les 33 pantalles següents apareixeran nombres que haureu de descompondre en factors primers.

Si premeu repetidament la tecla **AvPàg**, apareixeran les solucions en diverses etapes.

$$6 =$$

$$6 = 2 \cdot$$

$$6 = 2 \cdot 3$$

$$9 =$$

$$9 = 3$$

$$9 = 3^2$$

$$15 =$$

$$15 = 3 \cdot$$

$$15 = 3 \cdot 5$$

$$14 =$$

Exercici 4

$$14 = 2 \cdot$$

$$14 = 2 \cdot 7$$

$$18 =$$

$$18 = 2 \cdot$$

$$18 = 2 \cdot 3$$

$$18 = 2 \cdot 3^2$$

Exercici 6

$$8 =$$

$$8 = 2$$

$$8 = 2^3$$

$$16 =$$

$$16 = 2$$

Exercici 7

$$16 = 2^4$$

$$55 =$$

$$55 = 5 \cdot$$

$$55 = 5 \cdot 11$$

$$21 =$$

$$21 = 3 \cdot$$

$$21 = 3 \cdot 7$$

$$27 =$$

$$27 = 3$$

$$27 = 3^3$$

$$34 =$$

Exercici 11

$$34 = 2 \cdot$$

$$34 = 2 \cdot 17$$

$$28 =$$

$$28 = 2$$

Exercici 12

$$28 = 2^2 \cdot$$

$$28 = 2^2 \cdot 7$$

$$39 =$$

$$39 = 3 \cdot$$

$$39 = 3 \cdot 13$$

$$24 =$$

$$24 = 2$$

Exercici 14

$$24 = 2^3 \cdot$$

$$24 = 2^3 \cdot 3$$

$$36 =$$

$$36 = 2$$

$$36 = 2^2 \cdot$$

Exercici 15

$$36 = 2^2 \cdot 3$$

$$36 = 2^2 \cdot 3^2$$

$$40 =$$

Exercici 16

$$40 = 2$$

$$40 = 2^3 \cdot$$

$$40 = 2^3 \cdot 5$$

$$25 =$$

$$25 = 5$$

Exercici 17

$$25 = 5^2$$

$$50 =$$

Exercici 18

$$50 = 2 \cdot$$

$$50 = 2 \cdot 5$$

$$50 = 2 \cdot 5^2$$

Exercici 19

$$38 =$$

$$38 = 2 \cdot$$

$$38 = 2 \cdot 19$$

$$42 =$$

Exercici 20

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$$42 = 2 \cdot 21$$

$$42 = 2 \cdot 21 = 2 \cdot$$

Exercici 20

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Exercici 21

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$$280 = 4 \cdot 7 \cdot 5 \cdot 2$$

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$$280 = 4 \cdot 7 \cdot 5 \cdot 2 = 2^3 \cdot 5$$

Exercici 21

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$$136 =$$

Exercici 22

$$136 = 4 \cdot$$

$$136 = 4 \cdot 34$$

$$136 = 4 \cdot 34 = 2$$

Exercici 22

$$136 = 4 \cdot 34 = 2^3 \cdot$$

$$136 = 4 \cdot 34 = 2^3 \cdot 17$$

$$154 =$$

Exercici 23

$$154 = 2 \cdot$$

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$$154 = 2 \cdot 77 = 2 \cdot$$

$$154 = 2 \cdot 77 = 2 \cdot 7 \cdot$$

$$154 = 2 \cdot 77 = 2 \cdot 7 \cdot 11$$

$$220 =$$

$$220 = 4 \cdot$$

$$220 = 4 \cdot 55$$

$$220 = 4 \cdot 55 = 2$$

Exercici 24

$$220 = 4 \cdot 55 = 2^2 \cdot$$

$$220 = 4 \cdot 55 = 2^2 \cdot 5 \cdot$$

$$220 = 4 \cdot 55 = 2^2 \cdot 5 \cdot 11$$

$$234 =$$

$$234 = 9 \cdot$$

$$234 = 9 \cdot 26$$

$$234 = 9 \cdot 26 = 3$$

$$234 = 9 \cdot 26 = 3^2 \cdot$$

Exercici 25

$$234 = 9 \cdot 26 = 3^2 \cdot 2 \cdot$$

$$234 = 9 \cdot 26 = 3^2 \cdot 2 \cdot 13$$

$$242 =$$

$$242 = 2 \cdot$$

$$242 = 2 \cdot 121$$

$$242 = 2 \cdot 121 = 2 \cdot$$

$$242 = 2 \cdot 121 = 2 \cdot 11$$

$$242 = 2 \cdot 121 = 2 \cdot 11^2$$

$$143 =$$

$$143 = 11 \cdot$$

$$143 = 11 \cdot 13$$

$$155 =$$

$$155 = 5 \cdot$$

$$155 = 5 \cdot 31$$

$$180 =$$

$$180 = 9 \cdot$$

$$180 = 9 \cdot 20$$

$$180 = 9 \cdot 20 = 3$$

$$180 = 9 \cdot 20 = 3^2 \cdot$$

$$180 = 9 \cdot 20 = 3^2 \cdot 2$$

Exercici 29

$$180 = 9 \cdot 20 = 3^2 \cdot 2^2 \cdot$$

$$180 = 9 \cdot 20 = 3^2 \cdot 2^2 \cdot 5$$

$216 =$

$$216 = 9 \cdot$$

$$216 = 9 \cdot 24$$

$$216 = 9 \cdot 24 = 3$$

Exercici 30

$$216 = 9 \cdot 24 = 3^2 \cdot$$

$$216 = 9 \cdot 24 = 3^2 \cdot 3 \cdot$$

$$216 = 9 \cdot 24 = 3^2 \cdot 3 \cdot 8$$

$$216 = 9 \cdot 24 = 3^2 \cdot 3 \cdot 8 = 3$$

Exercici 30

$$216 = 9 \cdot 24 = 3^2 \cdot 3 \cdot 8 = 3^3 \cdot$$

$$216 = 9 \cdot 24 = 3^2 \cdot 3 \cdot 8 = 3^3 \cdot 2$$

$$216 = 9 \cdot 24 = 3^2 \cdot 3 \cdot 8 = 3^3 \cdot 2^3$$

$$245 =$$

$$245 = 5 \cdot$$

$$245 = 5 \cdot 49$$

$$245 = 5 \cdot 49 = 5 \cdot$$

$$245 = 5 \cdot 49 = 5 \cdot 7$$

$$245 = 5 \cdot 49 = 5 \cdot 7^2$$

$$1000 =$$

$$1000 = 10 \cdot$$

$$1000 = 10 \cdot 10 \cdot$$

$$1000 = 10 \cdot 10 \cdot 10$$

$$1000 = 10 \cdot 10 \cdot 10 = 10$$

$$1000 = 10 \cdot 10 \cdot 10 = 10^3$$

$$1000 = 10 \cdot 10 \cdot 10 = 10^3$$
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$$1000 = 10 \cdot 10 \cdot 10 = 10^3$$
$$= (2 \cdot 5)$$

Exercici 32

$$1000 = 10 \cdot 10 \cdot 10 = 10^3$$
$$= (2 \cdot 5)^3$$

$$1000 = 10 \cdot 10 \cdot 10 = 10^3$$
$$= (2 \cdot 5)^3 = 2$$

Exercici 32

$$1000 = 10 \cdot 10 \cdot 10 = 10^3$$
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$$1000 = 10 \cdot 10 \cdot 10 = 10^3$$
$$= (2 \cdot 5)^3 = 2 \cdot^3 \cdot 5$$

$$1000 = 10 \cdot 10 \cdot 10 = 10^3$$
$$= (2 \cdot 5)^3 = 2 \cdot^3 \cdot 5^3$$

$$1200 =$$

$$1200 = 12 \cdot$$

$$1200 = 12 \cdot 10 \cdot$$

$$1200 = 12 \cdot 10 \cdot 10$$

$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot$$

Exercici 33

$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot$$

$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot 10$$

$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot 10^2$$

$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot 10^2$$
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$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot 10^2$$
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$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot 10^2$$
$$= 2^2 \cdot 3 \cdot$$

Exercici 33

$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot 10^2$$
$$= 2^2 \cdot 3 \cdot 2$$

$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot 10^2$$
$$= 2^2 \cdot 3 \cdot 2^2 \cdot$$

$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot 10^2$$
$$= 2^2 \cdot 3 \cdot 2^2 \cdot 5$$

$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot 10^2$$
$$= 2^2 \cdot 3 \cdot 2^2 \cdot 5^2$$

Exercici 33

$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot 10^2$$
$$= 2^2 \cdot 3 \cdot 2^2 \cdot 5^2 = 2$$

$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot 10^2$$
$$= 2^2 \cdot 3 \cdot 2^2 \cdot 5^2 = 2^4 \cdot$$

$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot 10^2$$
$$= 2^2 \cdot 3 \cdot 2^2 \cdot 5^2 = 2^4 \cdot 3 \cdot$$

$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot 10^2$$
$$= 2^2 \cdot 3 \cdot 2^2 \cdot 5^2 = 2^4 \cdot 3 \cdot 5$$

Exercici 33

$$1200 = 12 \cdot 10 \cdot 10 = 4 \cdot 3 \cdot 10^2$$
$$= 2^2 \cdot 3 \cdot 2^2 \cdot 5^2 = 2^4 \cdot 3 \cdot 5^2$$